

Приводы низкого давления ALGA/ALGAS/ALGAS-QA Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

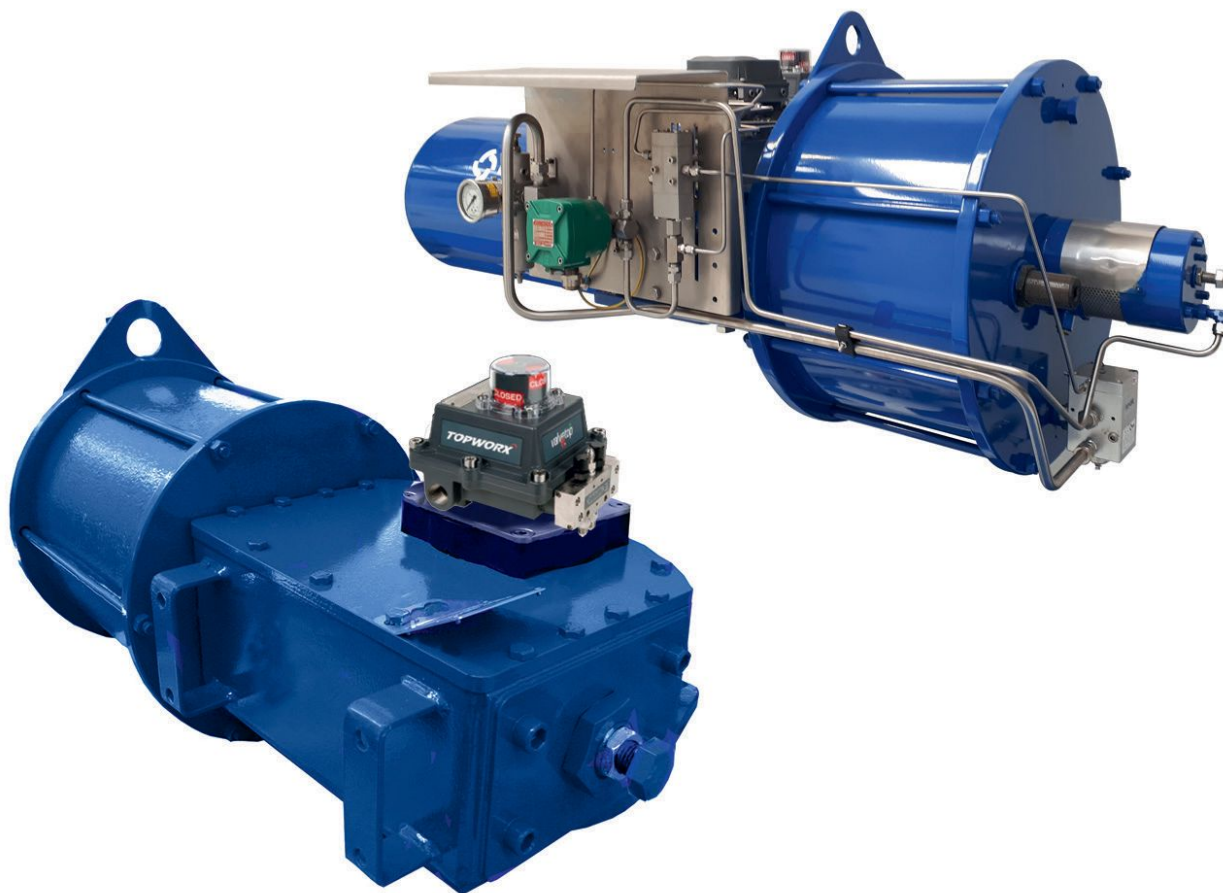
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Четвертьоборотные приводы ALGA/ALGAS/ALGAS-QA

Четвертьоборотные пневматические приводы двойного действия с возвратной пружиной для включения-выключения и плавного регулирования арматуры тяжелых режимов работы. Доступны для выходных моментов в 750 000 Нм. Выпускаются специальные версии для эксплуатации с сернистыми газами. Сертификация ATEX II 2 G D. Хромированные штоки поршня гарантируют максимальную коррозионную стойкость и минимальные нагрузки от трения на уплотнения. Подшипник поршня с ПТФЭ насыщенного графитом снижает трение и позволяет цилиндру эффективно работать без смазки.



General Application

ALGA, ALGAS and ALGAS-QA pneumatic actuators are designed for ON-OFF or modulating control of quarter-turn ball, butterfly, plug or damper style valves.

Technical Data

Design pressure (MAWP): up to 174 psi

Supply medium: Air, nitrogen or sweet gas
Sour gas version available

Output torque

ALGA: Double-Acting torque up to 8.850.750 lb-in

ALGAS/ALGAS-QA: Spring starting torque up to 2.964.000 lb-in
Spring end torque up to 2.079.900 lb-in

Ambient temperature

Standard range: -4 °F to +210 °F
(-20 °C to +100 °C)

Extended temperature: -70 °F to +275 °F
(-60 °C to +135 °C)

MAWP: Maximum Allowable Working Pressure is the pressure defined for the design of the actuator pressure containing parts.

MOP: Maximum Operating Pressure is pressure that generates the torque used to engineer the mechanical loaded parts of the actuator and it is the one required to produce the Maximum Operating Torque (MOT) of the actuator.

Features

- Totally enclosed, weatherproof housing in fabricated carbon steel for maximum strength.
- Guide bar resists transverse loads and supports the piston rod.
- Hard chromium plated alloy steel material guarantees corrosion protection and minimal friction.
- PTFE-impregnated bronze or sintered bronze bushings provide minimal friction and extended service life.
- Scotch yoke design with canted or symmetric torque arm allows close working to distinctive valve torque profiles.
- External travel stops for precise angular stroke adjustment 90 degrees +/- 4 degrees at each end of travel.
- Electroless nickel plated and polished cylinder provides maximum corrosion resistance and reduces friction.
- Floating type piston seals provide low hysteresis and high sensitivity, preventing sticking problems.
- ALGAS Spring-Return pack incorporates up to four springs, fully encapsulated in a factory welded cartridge ensuring personnel safety and simplifying assembly.
- ALGAS spring action can be changed easily in the field from to close to open or vice versa.
- Special coatings for offshore or corrosive environments.

Approvals

Safety Integrity Level:

(IEC 61508-1 ÷ 7:2010): SIL 3

Area Classification:

(ATEX): II 2GD

Enclosure standards:

(IEC 60529): IP66, IP66M, IP67M

(ANSI/NEMA 250): NEMA 4, 4X, 6

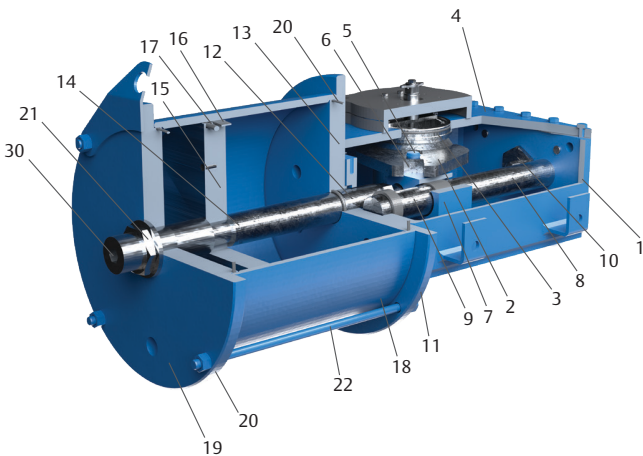
Pressure Equipment Directive:

2014/68/EU

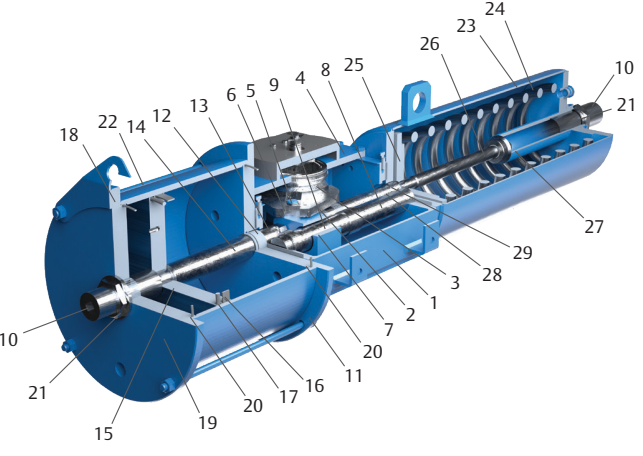
Machinery Directive:

2006/42/EC

ALGA Double-Acting



ALGAS Spring-Return



Materials

	PART	MATERIAL
1	Housing	Carbon steel
2	Yoke	Carbon steel
3	Yoke bushing	Bronze
4	Cover	Carbon steel
5	Guide block pin	Alloy steel
6	Sliding block	Bronze
7	Guide block	Carbon steel
8	Guide bar	Alloy steel (hard chrome plated)
9	Guide block bushing	Steel + bronze + PTFE
10	Travel stop screw	Carbon steel
11	Cylinder head flange	Carbon steel
12	Piston rod bushing	Steel + bronze + PTFE
13	Piston rod seal	NBR rubber
14	Piston rod	Alloy steel (hard chrome plated)
15	Piston	Carbon steel

	PART	MATERIAL
16	Piston guide sliding ring	PTFE + graphite
17	Piston seal O-ring	NBR rubber
18	Cylinder tube	Carbon steel (ENP)
19	Cylinder end flange	Carbon steel
20	Cylinder seal O-ring	NBR rubber
21	Sealing washer	PVC
22	Tie rod	Alloy steel
23	Spring container	Carbon steel
24	Spring	Carbon steel
25	Spring thrust flange	Carbon steel
26	Guide rod	Alloy steel (hard chrome plated)
27	Guide rod bushing	Steel + bronze + PTFE
28	Container rod	Alloy steel (hard chrome plated)
29	Container rod bushing	Steel + bronze + PTFE
30	Travel stop screw	Carbon steel

Mounting brackets and tie rods available in stainless steel as an option.
Fluoroelastomer and fluorosilicone seals available as an option.
BOM is for info only, please refer to Factory for more details.

ALGA Double-Acting Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Models 0.3C-100 to 6C-585

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
0.3C-100	0°	2628	2717	3345	3469	4062	4213	4779	4956	5496	5699	6204	6443	174
	45°	1027	956	1301	1221	1584	1478	1867	1743	2142	2009	2425	2266	
	90°	1478	1328	1885	1690	2283	2053	2690	2416	3098	2779	3496	3142	
0.3C-135	0°	4876	5213	6177	6611	7478	8000	8788	9399	10089	10797	11390	12195	174
	45°	1903	1832	2416	2328	2921	2814	3434	3310	3938	3806	4452	4292	
	90°	2744	2540	3478	3221	4213	3903	4947	4584	5682	5275	6416	5956	
0.3C-175	0°	8284	9000	10478	11381	12673	13762	14859	16142	17054	18532	19240	20913	113
	45°	3239	3168	4089	4009	4947	4850	5806	5691	6664	6531	7523	7363	
	90°	4664	4390	5903	5558	7142	6717	8372	7877	9611	9045	10841	10204	
0.3C-235	0°	15116	16576	19072	20913	23019	25249	-	-	-	-	-	-	62
	45°	5903	5841	7452	7372	8992	8894	-	-	-	-	-	-	
	90°	8523	8089	10744	10213	12974	12328	-	-	-	-	-	-	
0.9C-235	0°	17479	19169	22054	24187	26621	29196	31187	34214	35763	39223	40329	44241	160
	45°	6832	6753	8620	8523	10399	10293	12186	12054	13974	13824	15762	15594	
	90°	9850	9354	12425	11806	15001	14257	17576	16700	20151	19151	22727	21594	
0.9C-280	0°	24913	27063	31400	34108	37887	41161	44374	48215	50861	55268	57348	62322	115
	45°	9735	9531	12275	12018	14806	14505	17346	16992	19877	19479	22417	21966	
	90°	14036	13213	17700	16656	21355	20098	25010	23541	28665	26984	32320	30426	
1.5C-280	0°	31506	34214	39710	43135	47914	52056	56118	60977	64322	69897	72526	78809	149
	45°	12310	12054	15514	15204	18727	18346	21930	21488	25143	24630	28347	27780	
	90°	17753	16709	22382	21063	27001	25417	31630	29771	36250	34126	40878	38480	
1.5C-335	0°	45268	49489	57012	62339	68756	75190	80500	88031	92244	100881	103979	113731	104
	45°	17691	17443	22284	21966	26869	26497	31462	31028	36055	35550	40639	40082	
	90°	25515	24161	32134	30435	38745	36710	45365	42976	51985	49250	58605	55525	
1.5C-385	0°	60242	66110	75747	83137	91261	100164	106766	117192	-	-	-	-	78
	45°	23541	23302	29603	29302	35666	35303	41737	41303	-	-	-	-	
	90°	33949	32276	42692	40586	51436	48905	60180	57215	-	-	-	-	
3C-335	0°	74924	81924	94368	103191	113802	124449	133237	145715	152671	166982	172115	188240	126
	45°	29285	28869	36887	36365	44480	43861	52082	51357	59676	58853	67278	66348	
	90°	42232	39993	53189	50374	64136	60755	75092	71145	86049	81526	97005	91907	
3C-385	0°	99704	109421	125378	137609	151052	165796	176726	193974	202400	222162	228073	250340	94
	45°	38975	38568	49011	48498	59038	58437	69074	68366	79110	78305	89146	88235	
	90°	56198	53427	70667	67180	85137	80942	99607	94704	114077	108466	128546	122227	
3C-435	0°	127767	140565	160539	176628	193311	212692	226082	248756	-	-	-	-	74
	45°	49941	49542	62747	62251	75561	74960	88367	87677	-	-	-	-	
	90°	72012	68623	90482	86234	108952	103846	127431	121449	-	-	-	-	

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
3C-485	0°	159415	175690	200152	220595	240897	265500	-	-	-	-	-	-	59
	45°	62313	61923	78234	77747	94164	93580	-	-	-	-	-	-	
	90°	89854	85774	112811	107705	135777	129626	-	-	-	-	-	-	
6C-485	0°	186372	205400	234003	257898	281634	310396	329264	362894	376895	415392	424517	467891	102
	45°	72844	72393	91465	90898	110085	109404	128706	127909	147317	146414	165938	164911	
	90°	105041	100279	131892	125909	158734	151547	185585	177177	212427	202807	239277	228445	
6C-535	0°	227622	251172	285581	315131	343530	379099	401489	443058	459448	507017	-	-	83
	45°	88969	88527	111625	111068	134281	133617	156937	156158	179593	178708	-	-	
	90°	128290	122634	160964	153857	193629	185089	226295	216312	258960	247543	-	-	
6C-585	0°	272155	300599	341451	377143	410746	453686	480042	530230	-	-	-	-	70
	45°	106377	105952	133467	132927	160557	159911	187638	186885	-	-	-	-	
	90°	153397	146760	192452	184133	231507	221507	270571	258880	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

[illegible]

		Operating supply pressure (psi)										
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
6C-485	0°	472148	520398	-	-	-	-	-	-	-	-	102
	45°	184558	183416	-	-	-	-	-	-	-	-	
	90°	266120	254075	-	-	-	-	-	-	-	-	
6C-535	0°	-	-	-	-	-	-	-	-	-	-	83
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
6C-585	0°	-	-	-	-	-	-	-	-	-	-	70
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	

NOTE:
 * MOP = Maximum Operating Pressure (psi)

ALGA Double-Acting Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Models 14C-635 to 50C2-1000

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
14C-635	0°	350478	385418	439712	483573	528956	581719	618190	679875	707425	778021	796668	876177	109
	45°	136998	135848	171876	170442	206763	205037	241640	239631	276527	274226	311405	308821	
	90°	197541	188178	247835	236100	298139	284014	348433	331937	398728	379860	449031	427782	
14C-735	0°	469554	517575	589109	649369	708673	781172	828227	912975	947782	1044769	-	-	81
	45°	183540	182425	230277	228879	277014	275332	323742	321795	370479	368249	-	-	
	90°	264659	252703	332043	317051	399427	381400	466820	445748	534204	510096	-	-	
18C-635	0°	403047	443235	505671	556107	608296	668980	710921	781853	813545	894726	916161	1007599	141
	45°	157548	156220	197656	196010	237773	235791	277890	275580	318007	315361	358115	355142	
	90°	227171	216400	285014	271509	342858	326618	400701	381736	458536	436845	516380	491954	
18C-685	0°	469023	516451	588445	647962	707858	779481	827280	910992	946702	1042512	1066124	1174023	122
	45°	183337	182027	230012	228383	276695	274739	323370	321096	370054	367452	416738	413799	
	90°	264358	252145	331663	316361	398976	380568	466289	444783	533593	508990	600906	573206	
18C-735	0°	539992	595207	677485	746781	814970	898346	952464	1049920	1089957	1201485	1227442	1353059	104
	45°	211073	209789	264819	263217	318565	316635	372302	370063	426048	423481	479794	476909	
	90°	304360	290607	381851	364602	459350	438606	536841	512610	614332	586613	691831	660617	
18C2-635	0°	802438	890540	1006767	1117304	1211096	1344067	1415425	1570831	-	-	-	-	70
	45°	313662	313883	393533	393807	473404	473741	553275	553665	-	-	-	-	
	90°	452279	434792	567453	545514	682618	656228	797783	766941	-	-	-	-	
18C2-685	0°	934383	1036972	1172306	1301012	1410230	1565061	-	-	-	-	-	-	61
	45°	365240	365496	458244	458563	551240	551629	-	-	-	-	-	-	
	90°	526646	506291	660750	635209	794854	764127	-	-	-	-	-	-	
32C-685	0°	550594	606269	690778	760658	830971	915046	971155	1069425	1111348	1223813	1251540	1378202	174
	45°	215214	213683	270014	268102	324813	322521	379612	376939	434411	431358	489210	485768	
	90°	310334	296006	389347	371381	468360	446757	547381	522141	626394	597517	705407	672892	
32C-735	0°	633899	698725	795305	876654	956703	1054584	1118109	1232513	1279506	1410442	1440913	1588371	160
	45°	247782	246278	310874	308989	373966	371709	437057	434420	500149	497131	563241	559851	
	90°	357292	341141	448261	428013	539231	514893	630209	601765	721178	688636	812147	775508	
32C-835	0°	818129	903178	1026441	1133163	1234743	1363148	1443054	1593133	1651366	1823118	1859668	2053103	123
	45°	319795	318335	401224	399401	482644	480467	564072	561524	645501	642590	726921	723656	
	90°	461129	440969	578533	553258	695946	665547	813359	777835	930763	890124	1048176	1002413	
32C2-685	0°	1096878	1217309	1376184	1527280	1655490	1837251	1934796	2147222	2214093	2457185	2493399	2767156	91
	45°	428756	429057	537938	538319	647112	647572	756286	756825	865468	866079	974642	975332	
	90°	618243	594339	775667	745683	933091	897018	1090515	1048362	1247947	1199697	1405371	1351041	

		Operating supply pressure (psi)												MOP* (psi)
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	
50C-935	0°	1139800	1257727	1430018	1577990	1720228	1898263	2010437	2218536	2300655	2538800	2590864	2859072	125
	45°	445536	443305	558975	556187	672414	669078	785862	781959	899302	894841	1012741	1007732	
	90°	642430	614075	806005	770437	969579	926807	1133154	1083178	1296729	1239549	1460303	1395919	
50C-1000	0°	1303791	1437506	1635754	1803559	1967718	2169613	2299681	2535667	2631645	2901720	2963608	3267774	109
	45°	509636	506671	639395	635696	769162	764720	898921	893735	1028680	1022759	1158447	1151783	
	90°	734860	701849	921966	880566	1109073	1059292	1296180	1238018	1483295	1416735	1670402	1595460	
50C-1100	0°	1577583	1741361	1979258	2184782	2380942	2628202	2782617	3071623	3184292	3515043	3585967	3958463	90
	45°	616659	613774	773676	770065	930684	926356	1087692	1082647	1244708	1238938	1401716	1395229	
	90°	889186	850202	1115587	1066699	1341979	1283197	1568379	1499694	1794780	1716183	2021181	1932681	
50C2-935	0°	2273105	2522675	2851904	3165017	3430694	3807359	-	-	-	-	-	-	62
	45°	888531	889160	1114781	1115569	1341023	1341970	-	-	-	-	-	-	
	90°	1281206	1231672	1607434	1545290	1933663	1858907	-	-	-	-	-	-	
50C2-1000	0°	2599077	2884436	3260889	3618907	-	-	-	-	-	-	-	-	62
	45°	1015953	1016670	1274648	1275551	-	-	-	-	-	-	-	-	
	90°	1464932	1408301	1837950	1766894	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

[illegible]

		Operating supply pressure (psi)										MOP* (psi)
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	
50C-935	0°	2881073	3179345	3171282	3499609	3461501	3819881	-	-	-	-	125
	45°	1126180	1120614	1239620	1233495	1353068	1346386	-	-	-	-	
	90°	1623878	1552281	1787452	1708652	1951027	1865022	-	-	-	-	
50C-1000	0°	3295572	3633828	-	-	-	-	-	-	-	-	109
	45°	1288206	1280807	-	-	-	-	-	-	-	-	
	90°	1857509	1774186	-	-	-	-	-	-	-	-	
50C-1100	0°	-	-	-	-	-	-	-	-	-	-	90
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
50C2-935	0°	-	-	-	-	-	-	-	-	-	-	62
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
50C2-1000	0°	-	-	-	-	-	-	-	-	-	-	62
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

ALGA Double-Acting Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Models 80C-935 to 80C2-1200

		Operating supply pressure (psi)												MOP* (psi)
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	
80C-935	0°	1329774	1467348	1668349	1840995	2006932	2214642	2345516	2588289	2684090	2961936	3022673	3335583	174
	45°	519796	517194	652139	648891	784491	780588	916833	912285	1049185	1043990	1181528	1175687	
	90°	749507	716416	940339	898850	1131180	1081275	1322013	1263709	1512854	1446134	1703687	1628568	
80C-1000	0°	1521085	1677084	1908379	2104149	2295672	2531215	2682966	2958272	3070251	3385337	3457545	3812403	155
	45°	594578	591118	745967	741639	897355	892169	1048743	1042698	1200131	1193219	1351519	1343749	
	90°	857335	818820	1075629	1027335	1293923	1235841	1512217	1444347	1730511	1652861	1948797	1861367	
80C-1100	0°	1840517	2031588	2309142	2548906	2777758	3066233	3246384	3583560	3715009	4100886	4183634	4618204	128
	45°	719434	716071	902620	898408	1085798	1080744	1268975	1263090	1452161	1445426	1635338	1627772	
	90°	1037379	991899	1301516	1244478	1565645	1497057	1829782	1749636	2093919	2002215	2358047	2254794	
80C-1200	0°	2190366	2419847	2748067	3036028	3305767	3652209	3863468	4268390	4421168	4884572	4978868	5500753	107
	45°	856193	852919	1074186	1070098	1292189	1287286	1510191	1504473	1728193	1721652	1946186	1938840	
	90°	1234566	1181466	1548909	1482313	1863252	1783160	2177596	2084007	2491930	2384845	2806273	2685692	
80C2-935	0°	2651956	2943121	3327219	3692521	4002483	4441921	4677747	5191322	5353011	5940731	-	-	88
	45°	1036618	1037353	1300578	1301490	1564530	1565636	1828481	1829773	2092441	2093919	-	-	
	90°	1494738	1436948	1875342	1802842	2255945	2168728	2636548	2534622	3017151	2900508	-	-	
80C2-1000	0°	3032258	3365177	3804367	4222061	4576477	5078935	5348577	5935810	-	-	-	-	77
	45°	1185281	1186112	1487092	1488136	1788895	1790160	2090706	2092184	-	-	-	-	
	90°	1709094	1643020	2144284	2061377	2579465	2479743	3014655	2898110	-	-	-	-	
80C2-1100	0°	3671122	4074177	4605885	5111583	5540658	6148980	-	-	-	-	-	-	64
	45°	1435001	1436019	1800391	1801665	2165790	2167321	-	-	-	-	-	-	
	90°	2069174	1989179	2596050	2495682	3122917	3002186	-	-	-	-	-	-	
80C2-1200	0°	4370820	4850703	5483743	6085818	-	-	-	-	-	-	-	-	54
	45°	1708510	1709714	2143541	2145054	-	-	-	-	-	-	-	-	
	90°	2463557	2368313	3090836	2971343	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

		Operating supply pressure (psi)										
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
80C-935	0°	3361257	3709230	3699831	4082886	4038414	4456533	5054155	5577474	5866754	6474226	174
	45°	1313880	1307384	1446232	1439081	1578575	1570787	1975621	1965877	2293256	2281955	
	90°	1894528	1811002	2085361	1993427	2276202	2175861	2848709	2723154	3306714	3160981	
80C-1000	0°	3844838	4239469	4232132	4666525	4619426	5093591	5781298	6374779	-	-	155
	45°	1502907	1494278	1654295	1644799	1805683	1795329	2259856	2246909	-	-	
	90°	2167091	2069882	2385385	2278388	2603679	2486903	3258552	3112430	-	-	
80C-1100	0°	4652259	5135531	5120884	5652858	5589501	6170176	-	-	-	-	128
	45°	1818516	1810108	2001702	1992445	2184879	2174790	-	-	-	-	
	90°	2622184	2507373	2886312	2759952	3150450	3012531	-	-	-	-	
80C-1200	0°	5536569	6116934	-	-	-	-	-	-	-	-	107
	45°	2164188	2156019	-	-	-	-	-	-	-	-	
	90°	3120616	2986539	-	-	-	-	-	-	-	-	
80C2-935	0°	-	-	-	-	-	-	-	-	-	-	88
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
80C2-1000	0°	-	-	-	-	-	-	-	-	-	-	77
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
80C2-1100	0°	-	-	-	-	-	-	-	-	-	-	64
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
80C2-1200	0°	-	-	-	-	-	-	-	-	-	-	54
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

ALGA Double-Acting Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Models 0.3S-100 to 6S-585

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
0.3S-100	0°	1646	1726	2097	2195	2549	2664	3000	3142	3443	3611	3894	4080	174
	45°	1044	974	1328	1239	1611	1513	1903	1779	2186	2044	2469	2310	
	90°	1885	1602	2398	2036	2912	2478	3425	2912	3938	3354	4452	3788	
0.3S-135	0°	3053	3301	3876	4186	4691	5071	5514	5956	6328	6841	7151	7735	174
	45°	1938	1867	2451	2372	2974	2876	3496	3372	4009	3876	4531	4381	
	90°	3496	3062	4434	3885	5372	4708	6301	5531	7239	6354	8177	7177	
0.3S-175	0°	5195	5699	6576	7213	7947	8726	9328	10231	10700	11744	12080	13257	169
	45°	3292	3230	4168	4080	5036	4938	5912	5797	6788	6655	7655	7505	
	90°	5947	5292	7523	6691	9089	8098	10664	9496	12240	10894	13815	12302	
0.3S-235	0°	9487	10505	11965	13257	14443	16001	16930	18753	19408	21506	21886	24249	94
	45°	6018	5947	7584	7505	9160	9062	10735	10620	12302	12178	13877	13735	
	90°	10850	9753	13691	12302	16523	14850	19364	17399	22196	19957	25037	22506	
0.9S-235	0°	10974	12151	13841	15328	16709	18505	19576	21683	22444	24860	25311	28046	174
	45°	6956	6885	8770	8682	10593	10487	12408	12284	14231	14080	16045	15886	
	90°	12549	11275	15824	14222	19107	17178	22391	20125	25665	23072	28948	26019	
0.9S-280	0°	15638	17151	19709	21621	23780	26090	27851	30559	31922	35037	35993	39506	172
	45°	9912	9717	12496	12248	15080	14780	17656	17311	20240	19851	22824	22382	
	90°	17877	15912	22541	20063	27196	24214	31851	28364	36506	32515	41170	36657	
1.5S-280	0°	21452	23532	27037	29665	32621	35798	38205	41931	43790	48064	49383	54197	174
	45°	12549	12248	15815	15443	19081	18638	22346	21824	25621	25019	28886	28214	
	90°	20691	18417	26081	23222	31471	28019	36860	32825	42250	37621	47640	42427	
1.5S-335	0°	30825	34037	38816	42869	46817	51702	54808	60534	62808	69366	70800	78207	150
	45°	18027	17718	22709	22320	27382	26913	32064	31515	36736	36117	41418	40719	
	90°	29736	26639	37453	33559	45162	40471	52879	47392	60596	54304	68313	61224	
1.5S-385	0°	41011	45462	51578	57171	62136	68880	72703	80588	83261	92297	93819	104005	114
	45°	23992	23665	30170	29763	36347	35860	42524	41958	48702	48056	54888	54153	
	90°	39568	35586	49764	44754	59950	53923	70136	63083	80331	72251	90518	81420	
3S-335	0°	50348	55596	63410	70030	76473	84464	89535	98899	102598	113324	115661	127759	174
	45°	29860	29364	37604	36984	45347	44604	53091	52233	60844	59853	68588	67472	
	90°	49985	44781	62950	56401	75915	68030	88881	79650	101846	91279	114811	102899	

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
3S-385	0°	67003	74269	84261	93394	101510	112519	118767	131653	136016	150777	153264	169902	139
	45°	39728	39223	49958	49321	60198	59428	70428	69526	80659	79632	90890	89730	
	90°	66517	59817	83641	75225	100766	90624	117891	106032	135016	121440	152140	136848	
3S-435	0°	85863	95394	107882	119873	129909	144352	151937	168831	173956	193302	195983	217781	108
	45°	50914	50383	63977	63313	77030	76234	90093	89164	103156	102094	116218	115015	
	90°	85226	76836	107094	96554	128953	116262	150822	135980	172681	155698	194541	175407	
3S-485	0°	107129	119236	134511	149715	161884	180195	189266	210674	216648	241145	-	-	87
	45°	63525	62977	79765	79066	95996	95164	112236	111262	128467	127360	-	-	
	90°	106342	96040	133520	120581	160698	145131	187877	169681	215055	194231	-	-	
6S-485	0°	125024	139149	156972	174717	188930	210285	220878	245853	252827	281421	284784	316989	149
	45°	74269	73632	93252	92456	112236	111271	131219	130095	150202	148919	169185	167743	
	90°	124581	112510	156424	141264	188257	170026	220100	198780	251933	227542	283775	256296	
6S-535	0°	152698	170168	191576	213497	230454	256827	269332	300165	308210	343495	347088	386825	123
	45°	90713	90040	113811	112970	136910	135901	159999	158831	183098	181761	206196	204692	
	90°	152158	137582	190895	172619	229640	207656	268376	242694	307122	277731	345867	312759	
6S-585	0°	182567	203647	229056	255508	275545	307369	322025	359222	368514	411083	415003	462944	102
	45°	108457	107766	136078	135201	163690	162645	191310	190089	218922	217533	246543	244968	
	90°	181921	164654	228250	206586	274571	248517	320892	290448	367213	332371	413534	374302	

NOTE:
 * MOP = Maximum Operating Pressure (psi)

		Operating supply pressure (psi)										
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
0.3S-100	0°	4345	4558	4797	5027	5239	5496	6593	6912	7664	8045	174
	45°	2752	2575	3036	2850	3319	3115	4177	3912	4859	4558	
	90°	4965	4230	5487	4664	6000	5106	7540	6416	8770	7469	
0.3S-135	0°	7965	8620	8788	9505	9602	10390	12063	13045	14027	15178	174
	45°	5053	4876	5567	5381	6089	5885	7646	7390	8894	8593	
	90°	9116	8000	10054	8815	10983	9638	13797	12107	16045	14080	
0.3S-175	0°	13452	14762	14824	16275	16204	17780	20328	22311	-	-	169
	45°	8531	8363	9399	9222	10275	10071	12894	12638	-	-	
	90°	15390	13700	16957	15098	18532	16505	23249	20709	-	-	
0.3S-235	0°	-	-	-	-	-	-	-	-	-	-	94
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
0.9S-235	0°	28178	31223	31046	34400	33913	37577	42524	47109	49401	54737	174
	45°	17868	17682	19682	19488	21506	21284	26966	26692	31329	31010	
	90°	32232	28975	35506	31922	38790	34869	48631	43719	56507	50799	
0.9S-280	0°	40064	43976	44135	48445	48206	52914	60428	66331	-	-	172
	45°	25408	24913	27984	27444	30568	29975	38312	37577	-	-	
	90°	45825	40807	50480	44958	55136	49109	69110	61552	-	-	
1.5S-280	0°	54967	60330	60552	66464	66136	72597	82898	90996	96306	105713	174
	45°	32152	31409	35418	34604	38692	37798	48489	47374	56339	55038	
	90°	53029	47224	58419	52029	63809	56826	79977	71234	92916	82756	
1.5S-335	0°	78800	87040	86792	95872	94792	104704	118776	131210	-	-	150
	45°	46091	45312	50772	49914	55454	54516	69481	68313	-	-	
	90°	76022	68136	83739	75057	91456	81969	114599	102713	-	-	
1.5S-385	0°	104386	115714	114944	127422	-	-	-	-	-	-	114
	45°	61065	60242	67242	66340	-	-	-	-	-	-	
	90°	100704	90589	110899	99748	-	-	-	-	-	-	
3S-335	0°	128723	142193	141786	156618	154848	171053	194036	214347	225392	248986	174
	45°	76331	75092	84075	82721	91828	90341	115059	113209	133653	131502	
	90°	127776	114528	140750	126148	153716	137768	192611	172646	223728	200541	

		Operating supply pressure (psi)										
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
3S-385	0°	170522	189036	187770	208161	205028	227286	-	-	-	-	139
	45°	101120	99837	111351	109935	121581	120041	-	-	-	-	
	90°	169265	152255	186390	167663	203523	183071	-	-	-	-	
3S-435	0°	218011	242260	-	-	-	-	-	-	-	-	108
	45°	129281	127944	-	-	-	-	-	-	-	-	
	90°	216409	195125	-	-	-	-	-	-	-	-	
3S-485	0°	-	-	-	-	-	-	-	-	-	-	87
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
6S-485	0°	316733	352557	348681	388126	380639	423694	476493	530398	-	-	149
	45°	188160	186558	207143	205382	226126	224206	283076	280669	-	-	
	90°	315618	285059	347451	313812	379293	342575	474811	428844	-	-	
6S-535	0°	385966	430163	424844	473493	463731	516822	-	-	-	-	123
	45°	229295	227622	252393	250552	275492	273483	-	-	-	-	
	90°	384603	347796	423349	382833	462094	417870	-	-	-	-	
6S-585	0°	461483	514796	-	-	-	-	-	-	-	-	102
	45°	274155	272412	-	-	-	-	-	-	-	-	
	90°	459855	416233	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

ALGA Double-Acting Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Models 14S-635 to 50S2-1000

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
14S-635	0°	238640	265040	299404	332530	360168	400029	420933	467519	481688	535018	542452	602517	158
	45°	139600	137989	175150	173133	210701	208276	246242	243419	281793	278563	317334	313697	
	90°	230242	207479	288864	260323	347486	313157	406109	365992	464731	418835	523362	471670	
14S-735	0°	319724	355912	401126	446544	482537	537186	563949	627819	645351	718452	726762	809085	117
	45°	187036	185310	234658	232498	282288	279687	329910	326875	377532	374063	425154	421251	
	90°	308467	278625	387011	349575	465554	420525	544098	491476	622633	562426	701177	633386	
18S-635	0°	274359	304706	344221	382302	414074	459899	483936	537496	553789	615093	623642	692690	174
	45°	160548	158698	201426	199107	242304	239525	283182	279934	324060	320352	364939	360770	
	90°	264863	238685	332309	299466	399746	360248	467183	421039	534629	481821	602066	542602	
18S-685	0°	319264	355044	400560	445456	481847	535868	563143	626279	644430	716691	725727	807102	174
	45°	186824	184912	234401	232003	281970	279085	329539	326176	377107	373266	424676	420357	
	90°	308219	278111	386701	348938	465174	419756	543656	490582	622137	561400	700610	632226	
18S-735	0°	367576	409189	461174	513389	554762	617588	648351	721788	741949	825979	835537	930179	152
	45°	215099	213108	269863	267376	324636	321644	379400	375921	434172	430190	488936	484458	
	90°	354858	320529	445208	402144	535567	483768	625916	565391	716275	647015	806624	728638	
18S2-635	0°	546231	612216	685317	768109	824413	924002	963500	1079895	1102595	1235787	1241682	1391680	101
	45°	319644	318857	401029	400047	482422	481236	563816	562426	645209	643625	726603	724815	
	90°	527327	479564	661608	601676	795881	723797	930162	845910	1064443	968022	1198715	1090143	
18S2-685	0°	636050	712885	798005	894408	959960	1075930	1121923	1257452	1283878	1438983	-	-	88
	45°	372196	371284	466970	465820	561745	560364	656520	654909	751303	749445	-	-	
	90°	614040	558417	770393	700610	926745	842803	1083098	984996	1239460	1127189	-	-	
32S-685	0°	370921	412481	465360	517513	559798	622553	654245	727594	748683	832635	843131	937675	174
	45°	219400	217276	275262	272607	331123	327928	386993	383258	442854	438588	498715	493919	
	90°	366257	330477	459510	414640	552771	498795	646023	582950	739276	667113	832537	751268	
32S-735	0°	427039	475387	535779	596437	644510	717496	753241	838546	861972	959606	970703	1080665	174
	45°	252597	250411	316919	314175	381231	377939	445544	441712	509866	505477	574179	569241	
	90°	421676	380877	529044	477873	636412	574861	743781	671848	851140	768844	958508	865831	
32S-835	0°	551151	614482	691486	770959	831820	927427	972146	1083904	1112480	1240372	1252815	1396849	174
	45°	326007	323680	409020	406100	492025	488529	575038	570949	658042	653369	741046	735798	
	90°	544231	492326	682795	617695	821369	743064	959933	868433	1098506	993793	1237071	1119162	
32S2-685	0°	738940	828210	927099	1039096	1115259	1249992	1303419	1460878	1491579	1671765	1679739	1882661	134
	45°	437093	436261	548390	547346	659688	658440	770985	769525	882283	880610	993581	991696	
	90°	729656	663564	915453	832528	1101250	1001501	1287047	1170466	1472844	1339430	1658640	1508403	

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
50S-935	0°	765985	853618	961013	1070983	1156049	1288348	1351076	1505712	1546104	1723086	1741140	1940451	174
	45°	454226	450828	569878	565630	685530	680432	801182	795234	916833	910037	1032485	1024839	
	90°	760348	687530	953950	862610	1147544	1037680	1341147	1212760	1534740	1387830	1728343	1562910	
50S-1000	0°	876185	975633	1099276	1224070	1322367	1472507	1545458	1720953	1768549	1969391	1991639	2217837	159
	45°	519575	515274	651864	646484	784154	777703	916444	908913	1048743	1040123	1181033	1171342	
	90°	869743	785809	1091196	985908	1312650	1186015	1534094	1386114	1755548	1586221	1977002	1786328	
50S-1100	0°	1060186	1181856	1330128	1482809	1600062	1783753	1870005	2084706	2139948	2385650	2409882	2686603	131
	45°	628686	624191	788756	783137	948826	942083	1108905	1101029	1268975	1259975	1429045	1418921	
	90°	1052389	951915	1320349	1194308	1588301	1436700	1856261	1679102	2124212	1921494	2392173	2163887	
50S2-935	0°	1527599	1712139	1916565	2148090	2305540	2584050	2694506	3020009	3083473	3455969	3472448	3891929	91
	45°	905859	904258	1136508	1134508	1367166	1364759	1597823	1595009	1828481	1825259	2059138	2055510	
	90°	1516368	1379016	1902476	1730157	2288583	2081290	2674700	2432431	3060808	2783564	3446916	3134705	
50S2-1000	0°	1746663	1957664	2191419	2456149	2636167	2954626	3080924	3453111	3525681	3951596	-	-	79
	45°	1035760	1033928	1299499	1297206	1563237	1560476	1826967	1823746	2090706	2087016	-	-	
	90°	1733821	1576778	2175303	1978267	2616795	2379765	3058277	2781263	3499759	3182761	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

		Operating supply pressure (psi)										MOP* (psi)
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	
14S-635	0°	603216	670007	663980	737506	724744	804996	907028	1007484	-	-	158
	45°	352885	348840	388427	383984	423977	419127	530611	524548	-	-	
	90°	581985	524504	640607	577347	699230	630182	875106	788694	-	-	
14S-735	0°	808164	899718	889575	990350	-	-	-	-	-	-	117
	45°	472776	468439	520407	515628	-	-	-	-	-	-	
	90°	779720	704336	858264	775287	-	-	-	-	-	-	
18S-635	0°	693504	770295	763357	847892	833219	925489	1042787	1158279	1210450	1344510	174
	45°	405826	401179	446704	441597	487582	482006	610216	603251	708327	700247	
	90°	669503	603384	736948	664175	804385	724957	1006705	907302	1168563	1053185	
18S-685	0°	807014	897514	888310	987926	969597	1078346	1213477	1349581	1408575	1566574	174
	45°	472245	467439	519814	514530	567391	561621	710097	702885	824262	815899	
	90°	779092	703044	857574	773871	936047	844688	1171483	1057159	1359829	1227132	
18S-735	0°	929126	1034379	1022724	1138579	1116312	1242779	1397088	1555379	-	-	152
	45°	543709	538726	598472	592994	653245	647262	817545	810067	-	-	
	90°	896983	810253	987333	891876	1077682	973500	1348749	1218362	-	-	
18S2-635	0°	1380777	1547573	-	-	-	-	-	-	-	-	101
	45°	807996	806005	-	-	-	-	-	-	-	-	
	90°	1332996	1212255	-	-	-	-	-	-	-	-	
18S2-685	0°	-	-	-	-	-	-	-	-	-	-	88
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
32S-685	0°	937569	1042716	1032016	1147748	1126455	1252788	1409778	1567910	1636445	1820003	174
	45°	554576	549249	610446	604579	666308	659909	833900	825900	967969	958694	
	90°	925790	835431	1019051	919586	1112303	1003740	1392070	1256222	1615886	1458197	
32S-735	0°	1079435	1201715	1188174	1322774	1296906	1443833	1623099	1806993	1884059	2097530	174
	45°	638501	633005	702814	696778	767127	760542	960083	951844	1114436	1104878	
	90°	1065876	962827	1173245	1059814	1280613	1156801	1602708	1447780	1860385	1680553	
32S-835	0°	1393149	1553325	1533475	1709793	1673809	1866270	2094804	2335683	2431608	2711224	174
	45°	824059	818218	907063	900638	990076	983067	1239097	1230336	1438320	1428151	
	90°	1375644	1244531	1514208	1369900	1652782	1495269	2068493	1871368	2401058	2172250	
32S2-685	0°	1867899	2093547	2056059	2304443	2244218	2515329	-	-	-	-	134
	45°	1104878	1102790	1216176	1213875	1327473	1324960	-	-	-	-	
	90°	1844429	1677367	2030225	1846331	2216022	2015295	-	-	-	-	

		Operating supply pressure (psi)										
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
50S-935	0°	1936168	2157816	2131204	2375181	2326231	2592546	2911331	3244649	3379408	3766330	174
	45°	1148137	1139641	1263789	1254443	1379441	1369245	1726405	1713652	2003967	1989170	
	90°	1921937	1737981	2115539	1913060	2309133	2088131	2889923	2613361	3354566	3033541	
50S-1000	0°	2214730	2466274	2437821	2714711	2660912	2963157	3330184	3708477	-	-	159
	45°	1313322	1302552	1445612	1433762	1577902	1564981	1974780	1958620	-	-	
	90°	2198446	1986427	2419900	2186534	2641353	2386633	3305705	2986946	-	-	
50S-1100	0°	2679824	2987556	2949767	3288501	3219701	3589454	-	-	-	-	131
	45°	1589124	1577867	1749194	1736813	1909264	1895750	-	-	-	-	
	90°	2660124	2406288	2928076	2648681	3196036	2891074	-	-	-	-	
50S2-935	0°	-	-	-	-	-	-	-	-	-	-	91
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
50S2-1000	0°	-	-	-	-	-	-	-	-	-	-	79
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

ALGA Double-Acting Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Models 80S-935 to 80S2-1200

		Operating supply pressure (psi)												
		40		50		60		70		80		90		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
80S-935	0°	893646	995882	1121180	1249478	1348722	1503075	1576256	1756672	1803789	2010260	2031332	2263857	174
	45°	529929	525973	664856	659909	799783	793845	934710	927772	1069638	1061708	1204565	1195644	
	90°	887080	802120	1112941	1006378	1338801	1210627	1564671	1414885	1790532	1619143	2016402	1823392	
80S-1000	0°	1022219	1138234	1282489	1428080	1542759	1717927	1803037	2007782	2063307	2297628	2323576	2587475	174
	45°	606172	601154	760507	754232	914851	907320	1069186	1060398	1223530	1213477	1377865	1366564	
	90°	1014706	916780	1273064	1150235	1531422	1383680	1789780	1617134	2048138	1850588	2306496	2084042	
80S-1100	0°	1236885	1378839	1551812	1729945	1866739	2081051	2181675	2432157	2496603	2783263	2811530	3134369	174
	45°	733461	728222	920214	913656	1106967	1099099	1293720	1284533	1480472	1469967	1667225	1655401	
	90°	1227787	1110560	1540404	1393362	1853022	1676155	2165630	1958948	2478248	2241740	2790865	2524542	
80S-1200	0°	1471994	1642348	1846783	2060546	2221580	2478752	2596369	2896950	2971166	3315157	3345955	3733355	158
	45°	872884	867397	1095134	1088267	1317384	1309145	1539635	1530015	1761885	1750884	1984135	1971753	
	90°	1461170	1322810	1833207	1659641	2205243	1996480	2577288	2333311	2949324	2670151	3321361	3006982	
80S2-935	0°	1782195	1997489	2235997	2506108	2689789	3014726	3143591	3523344	3597392	4031963	4051185	4540581	130
	45°	1056832	1054964	1325934	1323588	1595036	1592212	1864129	1860845	2133231	2129469	2402333	2398093	
	90°	1769097	1608850	2219553	2018517	2670018	2428175	3120483	2837832	3570948	3247490	4021405	3657156	
80S2-1000	0°	2037774	2283946	2556650	2865506	3075534	3447066	3594410	4028626	4113294	4610195	4632170	5191755	114
	45°	1208388	1206255	1516085	1513403	1823773	1820551	2131469	2127708	2439157	2434856	2746854	2742004	
	90°	2022791	1839570	2537861	2307983	3052923	2776395	3567993	3244808	4083054	3713221	4598124	4181625	
80S2-1100	0°	2467106	2765138	3095296	3469227	3723496	4173306	4351687	4877385	4979886	5581465	5608077	6285553	94
	45°	1462985	1460400	1835499	1832260	2208013	2204110	2580527	2575970	2953041	2947829	3325565	3319688	
	90°	2448972	2227147	3072543	2794237	3696123	3361336	4319703	3928427	4943274	4495517	5566854	5062616	
80S2-1200	0°	2937324	3292165	3685246	4130437	4433169	4968709	5181082	5806981	-	-	-	-	79
	45°	1741822	1738742	2185331	2181472	2628848	2624202	3072357	3066932	-	-	-	-	
	90°	2915739	2651628	3658156	3326804	4400574	4001979	5143001	4677154	-	-	-	-	

NOTE:
 * MOP = Maximum Operating Pressure (psi)

		Operating supply pressure (psi)										
		100		110		120		150		174		
Model	Position	OP	CL	OP	CL	OP	CL	OP	CL	OP	CL	MOP* (psi)
80S-935	0°	2258865	2517453	2486408	2771050	2713941	3024638	3396550	3785428	3942640	4394052	174
	45°	1339492	1329580	1474428	1463516	1609355	1597452	2014136	1999259	2337966	2320700	
	90°	2242263	2027650	2468123	2231899	2693993	2436157	3371585	3048922	3913656	3539133	
80S-1000	0°	2583855	2877321	2844125	3167167	3104394	3457014	3885212	4326561	4509872	5022189	174
	45°	1532209	1519642	1686553	1672730	1840889	1825808	2303912	2285052	2674328	2652451	
	90°	2564854	2317496	2823221	2550951	3081579	2784405	3856653	3484767	4476719	4045061	
80S-1100	0°	3126457	3485475	3441393	3836590	3756321	4187696	4701111	5241014	5456945	6083676	174
	45°	1853978	1840844	2040730	2026278	2227474	2211712	2787732	2768023	3235941	3213072	
	90°	3103483	2807335	3416091	3090128	3728709	3372921	4666552	4221308	5416828	4900015	
80S-1200	0°	3720752	4151562	4095541	4569759	4470330	4987957	5594713	6242569	-	-	158
	45°	2206385	2192632	2428635	2413501	2650885	2634371	3317635	3296988	-	-	
	90°	3693397	3343813	4065433	3680653	4437470	4017484	5553587	5027995	-	-	
80S2-935	0°	4504986	5049199	4958788	5557818	5412580	6066436	-	-	-	-	130
	45°	2671434	2666717	2940536	2935341	3209630	3203966	-	-	-	-	
	90°	4471870	4066814	4922335	4476472	5372791	4886138	-	-	-	-	
80S2-1000	0°	5151054	5773315	5669930	6354875	-	-	-	-	-	-	114
	45°	3054542	3049152	3362239	3356301	-	-	-	-	-	-	
	90°	5113185	4650038	5628246	5118451	-	-	-	-	-	-	
80S2-1100	0°	-	-	-	-	-	-	-	-	-	-	94
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	
80S2-1200	0°	-	-	-	-	-	-	-	-	-	-	79
	45°	-	-	-	-	-	-	-	-	-	-	
	90°	-	-	-	-	-	-	-	-	-	-	

NOTE:

* MOP = Maximum Operating Pressure (psi)

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Spring to Close

Models 0.3C-008A-100-CL to 1.5C-1200-585-CL

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.3C-008A-100-CL	62	174	1752	982	1620	-	-	-	-	-	-	-	-	-	2903	628	628
0.3C-008A-135-CL	38	174	1690	938	1496	-	-	-	4301	1212	1425	5611	1726	2159	6912	2248	2894
0.3C-008B-100-CL	86	174	2690	1354	1611	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-008B-135-CL	51	174	2628	1310	1487	-	-	-	-	-	-	5620	1186	1186	6930	1752	1920
0.3C-008C-100-CL	101	174	3248	1664	2080	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-008C-135-CL	59	174	3186	1611	1956	-	-	-	-	-	-	-	-	-	6452	1319	1319
0.3C-008C-175-CL	39	145	3115	1558	1805	-	-	-	8151	2071	2266	10337	2956	3505	12532	3823	4744
0.3C-0100-135-CL	89	174	5186	2823	4230	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-0100-175-CL	57	144	5106	2761	4080	-	-	-	-	-	-	-	-	-	10266	2425	2540
0.3C-0100-235-CL	35	80	4991	2673	3841	-	-	-	14479	4142	4912	18426	5708	7142	22382	7266	9363
0.3C-0150-175-CL	70	154	6478	3788	6876	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-0150-235-CL	42	87	6363	3708	6638	-	-	-	11691	3018	3336	15638	4602	5567	19594	6168	7797
0.9C-0200-235-CL	47	174	8531	4947	8779	-	-	-	-	-	-	17001	4549	5160	21567	6381	7735
0.9C-0200-280-CL	36	139	8399	4850	8514	-	-	-	21780	6461	7850	28267	9027	11505	34754	11576	15160
0.9C-0200-335-CL	28	97	8310	4779	8310	26311	8257	10408	35595	11912	15638	44878	15549	20877	54171	19187	26108
0.9C-0250-235-CL	55	174	10248	6222	12284	-	-	-	-	-	-	-	-	-	18072	4983	5761
0.9C-0250-280-CL	41	144	10116	6124	12018	-	-	-	18275	5062	5876	24762	7646	9540	31258	10204	13195
0.9C-0250-335-CL	31	100	10018	6053	11824	22806	6876	8434	32099	10540	13664	41383	14187	18904	50666	17824	24134
0.9C-0350-280-CL	59	152	16257	9514	17222	-	-	-	-	-	-	-	-	-	26072	6213	6531
0.9C-0350-335-CL	44	106	16160	9443	17027	-	-	-	-	-	-	36205	10337	12240	45489	14027	17470
0.9C-0350-385-CL	35	80	16045	9354	16788	-	-	-	41604	12487	15284	53870	17337	22196	66136	22152	29108
0.9C-0350-435-CL	29	62	15957	9293	16603	42737	12939	15921	58401	19116	24745	74057	25267	33577	-	-	-
0.9C-0350-485-CL	25	44	15903	9248	16488	57861	18904	24444	77331	26550	35418	-	-	-	-	-	-
0.9C-0400-280-CL	69	161	19231	11717	23311	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0400-335-CL	51	113	19134	11647	23116	-	-	-	-	-	-	30143	7894	8823	39427	11620	14054
0.9C-0400-385-CL	40	86	19019	11558	22877	-	-	-	35542	10071	11859	47799	14939	18780	60065	19771	25692
0.9C-0400-435-CL	33	67	18930	11496	22691	-	-	-	52339	16727	21329	67995	22886	30152	-	-	-
0.9C-0400-485-CL	28	54	18868	11452	22576	51799	16523	21028	71260	24169	32002	-	-	-	-	-	-
0.9C-0420-335-CL	55	117	20859	12956	26966	-	-	-	-	-	-	-	-	-	35595	10178	12054
0.9C-0420-385-CL	43	88	20744	12877	26727	-	-	-	-	-	-	43967	13505	16771	56233	18337	23683
0.9C-0420-435-CL	35	70	20656	12815	26541	-	-	-	48498	15293	19328	64163	21452	28152	-	-	-
0.9C-0420-485-CL	30	57	20603	12771	26426	47967	15080	19028	67428	22736	29993	-	-	-	-	-	-

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9C-0700-335-CL	68	120	27223	16275	30975	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0700-385-CL	53	91	27108	16187	30736	-	-	-	-	-	-	39975	9478	9947	52242	14514	16859
0.9C-0700-435-CL	43	71	27019	16116	30550	-	-	-	-	-	-	60171	17682	21320	75827	23877	30152
0.9C-0700-485-CL	36	58	26957	16080	30435	-	-	-	63437	18974	23169	-	-	-	-	-	-
0.9C-0720-385-CL	61	100	31922	19736	40595	-	-	-	-	-	-	-	-	-	42427	10514	11319
0.9C-0720-435-CL	49	78	31825	19665	40409	-	-	-	-	-	-	50348	13744	15788	66012	20001	24612
0.9C-0720-485-CL	41	64	31772	19629	40294	-	-	-	53622	15063	17629	73083	22798	28603	-	-	-
1.5C-0800-385-CL	53	109	36099	20559	34772	-	-	-	-	-	-	-	-	-	70145	17886	19638
1.5C-0800-435-CL	43	86	35993	20479	34542	-	-	-	-	-	-	80163	21966	25284	99961	29878	36444
1.5C-0800-485-CL	36	68	35922	20426	34400	-	-	-	84296	23630	27612	108908	33426	41489	-	-	-
1.5C-0800-535-CL	31	57	35904	20408	34365	81004	22302	25754	110952	34232	42639	-	-	-	-	-	-
1.5C-1100-385-CL	73	116	50489	28267	45728	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-435-CL	59	91	50374	28178	45498	-	-	-	-	-	-	-	-	-	89058	20355	20895
1.5C-1100-485-CL	49	74	50303	28125	45347	-	-	-	-	-	-	98005	24161	25939	122617	34188	39807
1.5C-1100-535-CL	41	61	50286	28116	45321	-	-	-	100040	25001	27090	129989	37143	43967	-	-	-
1.5C-1100-585-CL	36	44	50056	27939	44843	-	-	-	128918	36710	43365	-	-	-	-	-	-
1.5C-1200-385-CL	83	128	58560	34400	62800	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-435-CL	67	100	58445	34311	62561	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-485-CL	55	80	58375	34258	62419	-	-	-	-	-	-	-	-	-	105616	27453	30506
1.5C-1200-535-CL	47	65	58357	34250	62384	-	-	-	-	-	-	112997	30453	34657	-	-	-
1.5C-1200-585-CL	40	44	58127	34073	61915	-	-	-	111917	30010	34055	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)											
						80			90			100			110		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.3C-008A-100-CL	62	174	1752	982	1620	3620	938	1035	4337	1221	1443	5053	1505	1841	5770	1788	2248
0.3C-008A-135-CL	38	174	1690	938	1496	8213	2752	3629	9523	3266	4363	10824	3779	5098	12133	4292	5832
0.3C-008B-100-CL	86	174	2690	1354	1611	-	-	-	-	-	-	5062	867	867	5779	1266	1274
0.3C-008B-135-CL	51	174	2628	1310	1487	8231	2283	2655	9531	2805	3390	10841	3319	4124	12142	3841	4859
0.3C-008C-100-CL	101	174	3248	1664	2080	-	-	-	-	-	-	-	-	-	5310	673	673
0.3C-008C-135-CL	59	174	3186	1611	1956	7761	1912	2053	9062	2443	2788	10372	2965	3522	11673	3487	4257
0.3C-008C-175-CL	39	145	3115	1558	1805	14726	4691	5974	16912	5558	7213	19107	6416	8443	21293	7275	9682
0.3C-0100-135-CL	89	174	5186	2823	4230	-	-	-	-	-	-	8107	1319	1319	9408	2044	2053
0.3C-0100-175-CL	57	144	5106	2761	4080	12461	3328	3770	14656	4213	5009	16842	5080	6248	19036	5947	7478
0.3C-0100-235-CL	35	80	4991	2673	3841	26338	8823	11594	-	-	-	-	-	-	-	-	-
0.3C-0150-175-CL	70	154	6478	3788	6876	9673	2168	2204	11868	3089	3434	14054	3974	4673	16249	4850	5912
0.3C-0150-235-CL	42	87	6363	3708	6638	23550	7726	10018	-	-	-	-	-	-	-	-	-
0.9C-0200-235-CL	47	174	8531	4947	8779	26134	8186	10310	30710	9992	12886	35276	11788	15461	39843	13576	18036
0.9C-0200-280-CL	36	139	8399	4850	8514	41241	14125	18824	47728	16673	22479	54215	19213	26134	60702	21753	29789
0.9C-0200-335-CL	28	97	8310	4779	8310	63455	22824	31338	72738	26462	36577	-	-	-	-	-	-
0.9C-0250-235-CL	55	174	10248	6222	12284	22638	6806	8337	27214	8611	10912	31780	10416	13487	36347	12204	16063
0.9C-0250-280-CL	41	144	10116	6124	12018	37745	12753	16850	44232	15302	20505	50719	17842	24161	57206	20382	27816
0.9C-0250-335-CL	31	100	10018	6053	11824	59959	21461	29373	69242	25090	34604	78526	28727	39843	-	-	-
0.9C-0350-280-CL	59	152	16257	9514	17222	32559	8877	10186	39046	11478	13841	45533	14045	17496	52020	16611	21152
0.9C-0350-335-CL	44	106	16160	9443	17027	54773	17691	22709	64065	21346	27939	73349	24992	33179	-	-	-
0.9C-0350-385-CL	35	80	16045	9354	16788	78402	26966	36020	-	-	-	-	-	-	-	-	-
0.9C-0350-435-CL	29	62	15957	9293	16603	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0350-485-CL	25	44	15903	9248	16488	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0400-280-CL	69	161	19231	11717	23311	26497	6390	6770	32984	9045	10425	39471	11647	14080	45958	14213	17735
0.9C-0400-335-CL	51	113	19134	11647	23116	48710	15302	19293	58003	18957	24523	67287	22612	29754	76570	26249	34993
0.9C-0400-385-CL	40	86	19019	11558	22877	72331	24594	32603	-	-	-	-	-	-	-	-	-
0.9C-0400-435-CL	33	67	18930	11496	22691	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0400-485-CL	28	54	18868	11452	22576	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0420-335-CL	55	117	20859	12956	26966	44878	13868	17284	54162	17523	22523	63455	21178	27754	72738	24824	32993
0.9C-0420-385-CL	43	88	20744	12877	26727	68499	23160	30603	-	-	-	-	-	-	-	-	-
0.9C-0420-435-CL	35	70	20656	12815	26541	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0420-485-CL	30	57	20603	12771	26426	-	-	-	-	-	-	-	-	-	-	-	-

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9C-0700-335-CL	68	120	27223	16275	30975	40887	9868	10452	50171	13673	15691	59463	17399	20921	68747	21081	26161
0.9C-0700-385-CL	53	91	27108	16187	30736	64508	19399	23771	76774	24258	30683	-	-	-	-	-	-
0.9C-0700-435-CL	43	71	27019	16116	30550	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0700-485-CL	36	58	26957	16080	30435	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0720-385-CL	61	100	31922	19736	40595	54693	15496	18240	66959	20373	25152	79225	25223	32064	-	-	-
0.9C-0720-435-CL	49	78	31825	19665	40409	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0720-485-CL	41	64	31772	19629	40294	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-0800-385-CL	53	109	36099	20559	34772	85650	24169	28382	101164	30356	37117	116670	36489	45861	132184	42604	54605
1.5C-0800-435-CL	43	86	35993	20479	34542	119767	37710	47604	-	-	-	-	-	-	-	-	-
1.5C-0800-485-CL	36	68	35922	20426	34400	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-0800-535-CL	31	57	35904	20408	34365	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-385-CL	73	116	50489	28267	45728	74738	12824	12824	90252	20877	21567	105766	27364	30311	121272	33648	39055
1.5C-1100-435-CL	59	91	50374	28178	45498	108855	28621	32055	128652	36604	43215	-	-	-	-	-	-
1.5C-1100-485-CL	49	74	50303	28125	45347	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-535-CL	41	61	50286	28116	45321	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-585-CL	36	44	50056	27939	44843	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-385-CL	83	128	58560	34400	62800	-	-	-	-	-	-	88766	20399	21001	104280	26904	29745
1.5C-1200-435-CL	67	100	58445	34311	62561	91854	21727	22745	111660	29904	33904	131458	37869	45064	-	-	-
1.5C-1200-485-CL	55	80	58375	34258	62419	130228	37374	44374	-	-	-	-	-	-	-	-	-
1.5C-1200-535-CL	47	65	58357	34250	62384	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-585-CL	40	44	58127	34073	61915	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.3C-008A-100-CL	62	174	1752	982	1620	6478	2071	2646	8629	2921	3859	10346	3593	4823
0.3C-008A-135-CL	38	174	1690	938	1496	13434	4797	6567	17346	6328	8770	20479	7558	10540
0.3C-008B-100-CL	86	174	2690	1354	1611	6496	1575	1673	8646	2451	2885	10363	3133	3859
0.3C-008B-135-CL	51	174	2628	1310	1487	13452	4354	5593	17364	5885	7797	20488	7115	9567
0.3C-008C-100-CL	101	174	3248	1664	2080	6027	1071	1071	8169	2080	2283	9885	2779	3248
0.3C-008C-135-CL	59	174	3186	1611	1956	12974	4000	4991	16886	5549	7195	20019	6779	8956
0.3C-008C-175-CL	39	145	3115	1558	1805	23488	8133	10912	-	-	-	-	-	-
0.3C-0100-135-CL	89	174	5186	2823	4230	10717	2611	2788	14629	4204	4991	17762	5443	6761
0.3C-0100-175-CL	57	144	5106	2761	4080	21231	6815	8717	-	-	-	-	-	-
0.3C-0100-235-CL	35	80	4991	2673	3841	-	-	-	-	-	-	-	-	-
0.3C-0150-175-CL	70	154	6478	3788	6876	18443	5717	7142	25019	8301	10850	-	-	-
0.3C-0150-235-CL	42	87	6363	3708	6638	-	-	-	-	-	-	-	-	-
0.9C-0200-235-CL	47	174	8531	4947	8779	44418	15372	20612	58127	20744	28338	69092	25037	34524
0.9C-0200-280-CL	36	139	8399	4850	8514	67189	24293	33444	-	-	-	-	-	-
0.9C-0200-335-CL	28	97	8310	4779	8310	-	-	-	-	-	-	-	-	-
0.9C-0250-235-CL	55	174	10248	6222	12284	40922	14001	18638	54631	19373	26364	65596	23665	32550
0.9C-0250-280-CL	41	144	10116	6124	12018	63693	22922	31479	-	-	-	-	-	-
0.9C-0250-335-CL	31	100	10018	6053	11824	-	-	-	-	-	-	-	-	-
0.9C-0350-280-CL	59	152	16257	9514	17222	58516	19160	24815	77977	26798	35781	-	-	-
0.9C-0350-335-CL	44	106	16160	9443	17027	-	-	-	-	-	-	-	-	-
0.9C-0350-385-CL	35	80	16045	9354	16788	-	-	-	-	-	-	-	-	-
0.9C-0350-435-CL	29	62	15957	9293	16603	-	-	-	-	-	-	-	-	-
0.9C-0350-485-CL	25	44	15903	9248	16488	-	-	-	-	-	-	-	-	-
0.9C-0400-280-CL	69	161	19231	11717	23311	52445	16771	21390	71915	24426	32364	-	-	-
0.9C-0400-335-CL	51	113	19134	11647	23116	-	-	-	-	-	-	-	-	-
0.9C-0400-385-CL	40	86	19019	11558	22877	-	-	-	-	-	-	-	-	-
0.9C-0400-435-CL	33	67	18930	11496	22691	-	-	-	-	-	-	-	-	-
0.9C-0400-485-CL	28	54	18868	11452	22576	-	-	-	-	-	-	-	-	-
0.9C-0420-335-CL	55	117	20859	12956	26966	-	-	-	-	-	-	-	-	-
0.9C-0420-385-CL	43	88	20744	12877	26727	-	-	-	-	-	-	-	-	-
0.9C-0420-435-CL	35	70	20656	12815	26541	-	-	-	-	-	-	-	-	-
0.9C-0420-485-CL	30	57	20603	12771	26426	-	-	-	-	-	-	-	-	-

Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	Operating supply pressure (psi)								
						120			150			174		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9C-0700-335-CL	68	120	27223	16275	30975	78030	24753	31391	-	-	-	-	-	-
0.9C-0700-385-CL	53	91	27108	16187	30736	-	-	-	-	-	-	-	-	-
0.9C-0700-435-CL	43	71	27019	16116	30550	-	-	-	-	-	-	-	-	-
0.9C-0700-485-CL	36	58	26957	16080	30435	-	-	-	-	-	-	-	-	-
0.9C-0720-385-CL	61	100	31922	19736	40595	-	-	-	-	-	-	-	-	-
0.9C-0720-435-CL	49	78	31825	19665	40409	-	-	-	-	-	-	-	-	-
0.9C-0720-485-CL	41	64	31772	19629	40294	-	-	-	-	-	-	-	-	-
1.5C-0800-385-CL	53	109	36099	20559	34772	-	-	-	-	-	-	-	-	-
1.5C-0800-435-CL	43	86	35993	20479	34542	-	-	-	-	-	-	-	-	-
1.5C-0800-485-CL	36	68	35922	20426	34400	-	-	-	-	-	-	-	-	-
1.5C-0800-535-CL	31	57	35904	20408	34365	-	-	-	-	-	-	-	-	-
1.5C-1100-385-CL	73	116	50489	28267	45728	-	-	-	-	-	-	-	-	-
1.5C-1100-435-CL	59	91	50374	28178	45498	-	-	-	-	-	-	-	-	-
1.5C-1100-485-CL	49	74	50303	28125	45347	-	-	-	-	-	-	-	-	-
1.5C-1100-535-CL	41	61	50286	28116	45321	-	-	-	-	-	-	-	-	-
1.5C-1100-585-CL	36	44	50056	27939	44843	-	-	-	-	-	-	-	-	-
1.5C-1200-385-CL	83	128	58560	34400	62800	119785	33188	38489	-	-	-	-	-	-
1.5C-1200-435-CL	67	100	58445	34311	62561	-	-	-	-	-	-	-	-	-
1.5C-1200-485-CL	55	80	58375	34258	62419	-	-	-	-	-	-	-	-	-
1.5C-1200-535-CL	47	65	58357	34250	62384	-	-	-	-	-	-	-	-	-
1.5C-1200-585-CL	40	44	58127	34073	61915	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Spring to Close

Models 3C-2000-385-CL to 14C-8300-985-CL

Model	Hold pressure (psi)	MOP (psi)	Operating supply pressure (psi)														
			BTC	RTC	ETC	40			50			60			70		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
3C-2000-385-CL	75	144	86155	51826	100067	-	-	-	-	-	-	-	-	-	-	-	-
3C-2000-435-CL	61	113	85960	51684	99686	-	-	-	-	-	-	-	-	-	123121	29196	30603
3C-2000-485-CL	50	90	85845	51596	99439	-	-	-	-	-	-	137936	35365	38949	178673	51799	61915
3C-2000-535-CL	43	74	85818	51578	99386	-	-	-	141308	36745	40852	190886	56658	68791	240455	76269	96739
3C-2000-585-CL	37	62	85438	51295	98607	-	-	-	189107	55950	67791	248375	79393	101200	-	-	-
6C-2500-485-CL	60	144	122962	75021	149556	-	-	-	-	-	-	-	-	-	175726	43648	47091
6C-2500-535-CL	50	117	122935	74995	149494	-	-	-	-	-	-	190001	49525	55136	247950	72827	87801
6C-2500-585-CL	44	99	122484	74667	148583	-	-	-	-	-	-	257208	76508	93022	326503	103908	132077
6C-2500-635-CL	38	84	121997	74305	147591	-	-	-	248782	73154	88270	330424	105457	134290	412074	137564	180310
6C-2500-685-CL	34	128	121475	73915	146512	-	-	-	314626	99226	125387	409640	136609	178938	504654	173885	232490
6C-2500-735-CL	30	62	120909	73499	145361	276085	83987	103660	385471	127113	165309	494857	170044	226967	-	-	-
6C-3800-535-CL	65	131	166522	104766	224259	-	-	-	-	-	-	-	-	-	-	-	-
6C-3800-585-CL	56	110	166079	104439	223347	-	-	-	-	-	-	-	-	-	252048	70738	82739
6C-3800-635-CL	49	93	165592	104085	222356	-	-	-	-	-	-	255969	72313	84942	337619	104749	130962
6C-3800-685-CL	43	136	165070	103695	221277	-	-	-	240171	65959	76039	335185	103793	129591	430199	141237	183142
6C-3800-735-CL	38	70	164504	103288	220117	-	-	-	311016	94226	115970	420402	137387	177620	529788	180336	239277
14C-5100-635-CL	53	149	198975	125405	269518	-	-	-	-	-	-	253376	65605	72712	342619	101465	123006
14C-5100-685-CL	46	129	198399	124980	268341	-	-	-	-	-	-	339964	100403	121511	443801	141485	180044
14C-5100-735-CL	41	112	197780	124528	267075	-	-	-	313538	89881	106625	433101	137272	174009	552656	184301	241393
14C-5100-785-CL	37	99	197125	124050	265721	-	-	-	396418	122785	153335	532797	176496	230206	669175	230020	307068
14C-5100-835-CL	34	87	196417	123537	264279	-	-	-	484750	157610	203125	639050	218206	290094	793358	278687	377063
14C-5100-885-CL	31	77	195674	122988	262748	405197	126254	158282	578533	194470	255977	751869	262438	353681	925206	330300	451377
14C-5100-935-CL	29	70	194877	122413	261128	484299	157433	202869	677768	233392	311918	871247	309184	420968	-	-	-
14C-5400-635-CL	66	157	258393	158937	322963	-	-	-	-	-	-	-	-	-	-	-	-
14C-5400-685-CL	58	133	257818	158521	321786	-	-	-	-	-	-	-	-	-	390577	102908	115377
14C-5400-735-CL	51	125	257199	158070	320520	-	-	-	-	-	-	379869	98536	109342	499423	146618	176726
14C-5400-785-CL	46	102	256544	157583	319166	-	-	-	-	-	-	479573	138715	165539	615942	192780	242402
14C-5400-835-CL	41	90	255836	157070	317724	-	-	-	431526	119466	138458	585826	180885	225427	740126	241720	312396
14C-5400-885-CL	38	80	255092	156521	316193	-	-	-	525309	156911	191319	698646	225383	289014	871973	293519	386710
14C-5400-935-CL	35	73	254296	155937	314573	-	-	-	624545	196178	247251	818014	272323	356301	1011493	348239	465351
14C-8300-735-CL	63	122	331618	204833	420322	-	-	-	-	-	-	-	-	-	-	-	-
14C-8300-785-CL	57	109	330955	204355	418968	-	-	-	-	-	-	-	-	-	516557	139839	159663
14C-8300-835-CL	51	97	330255	203833	417525	-	-	-	-	-	-	486431	127617	142689	640731	189558	229658
14C-8300-885-CL	46	86	329503	203293	415994	-	-	-	-	-	-	599251	173035	206276	772587	241773	303971
14C-8300-935-CL	42	77	328716	202709	414375	-	-	-	525150	143317	164504	718620	220454	273554	912099	296758	382603

See notes on the next page.

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
3C-2000-385-CL	75	144	86155	51826	100067	-	-	-	125112	30037	31718	150777	40604	46188	176451	50914	60658
3C-2000-435-CL	61	113	85960	51684	99686	155902	42666	49073	188673	55782	67543	221445	68765	86022	254216	81694	104492
3C-2000-485-CL	50	90	85845	51596	99439	219418	67959	84872	260155	84031	107837	-	-	-	-	-	-
3C-2000-535-CL	43	74	85818	51578	99386	-	-	-	-	-	-	-	-	-	-	-	-
3C-2000-585-CL	37	62	85438	51295	98607	-	-	-	-	-	-	-	-	-	-	-	-
6C-2500-485-CL	60	144	122962	75021	149556	223356	63003	73933	270987	81969	100784	318618	100802	127626	366248	119564	154477
6C-2500-535-CL	50	117	122935	74995	149494	305909	95784	120466	363868	118625	153132	421826	141396	185806	479785	164132	218471
6C-2500-585-CL	44	99	122484	74667	148583	395799	131175	171132	465103	158380	210196	-	-	-	-	-	-
6C-2500-635-CL	38	84	121997	74305	147591	493724	169601	226330	-	-	-	-	-	-	-	-	-
6C-2500-685-CL	34	128	121475	73915	146512	-	-	-	-	-	-	-	-	-	-	-	-
6C-2500-735-CL	30	62	120909	73499	145361	-	-	-	-	-	-	-	-	-	-	-	-
6C-3800-535-CL	65	131	166522	104766	224259	231454	62446	71127	289413	85650	103793	347363	108598	136458	405321	131449	169124
6C-3800-585-CL	56	110	166079	104439	223347	321344	98315	121794	390639	125661	160849	459935	152919	199904	529230	180124	238968
6C-3800-635-CL	49	93	165592	104085	222356	419260	136936	176982	500910	169017	223002	-	-	-	-	-	-
6C-3800-685-CL	43	136	165070	103695	221277	525203	178540	236693	-	-	-	-	-	-	-	-	-
6C-3800-735-CL	38	70	164504	103288	220117	-	-	-	-	-	-	-	-	-	-	-	-
14C-5100-635-CL	53	149	198975	125405	269518	431853	136777	173310	521097	171902	223604	610331	206948	273908	699566	241932	324202
14C-5100-685-CL	46	129	198399	124980	268341	547647	182337	238569	651493	223082	297103	755339	263801	355637	859185	304458	414162
14C-5100-735-CL	41	112	197780	124528	267075	672211	231206	308785	791774	278067	376169	911329	324875	443553	1030883	371673	510946
14C-5100-785-CL	37	99	197125	124050	265721	805554	283457	383940	941923	336849	460802	-	-	-	-	-	-
14C-5100-835-CL	34	87	196417	123537	264279	947658	339097	464032	-	-	-	-	-	-	-	-	-
14C-5100-885-CL	31	77	195674	122988	262748	-	-	-	-	-	-	-	-	-	-	-	-
14C-5100-935-CL	29	70	194877	122413	261128	-	-	-	-	-	-	-	-	-	-	-	-
14C-5400-635-CL	66	157	258393	158937	322963	378630	98023	108643	467864	134033	158937	557099	169513	209241	646342	204789	259535
14C-5400-685-CL	58	133	257818	158521	321786	494423	144627	173911	598260	185797	232436	702106	226746	290970	805952	267589	349495
14C-5400-735-CL	51	125	257199	158070	320520	618987	193983	244118	738541	241101	311502	858096	288068	378886	977660	334973	446279
14C-5400-785-CL	46	102	256544	157583	319166	752321	246517	319273	888699	300095	396135	1025078	353566	473006	-	-	-
14C-5400-835-CL	41	90	255836	157070	317724	894434	302343	399365	1048734	362841	486343	-	-	-	-	-	-
14C-5400-885-CL	38	80	255092	156521	316193	1045309	361496	484414	-	-	-	-	-	-	-	-	-
14C-5400-935-CL	35	73	254296	155937	314573	-	-	-	-	-	-	-	-	-	-	-	-
14C-8300-735-CL	63	122	331618	204833	420322	519592	141069	161371	639147	188930	228764	758711	236295	296148	878265	283430	363531
14C-8300-785-CL	57	109	330955	204355	418968	652926	194408	236525	789305	248375	313396	925683	302112	390258	-	-	-
14C-8300-835-CL	51	97	330255	203833	417525	795040	250641	316626	949340	311405	403595	-	-	-	-	-	-
14C-8300-885-CL	46	86	329503	203293	415994	945923	310069	401666	-	-	-	-	-	-	-	-	-
14C-8300-935-CL	42	77	328716	202709	414375	-	-	-	-	-	-	-	-	-	-	-	-

- NOTES:**
- Hold pressure: the minimum pressure to operate the actuator
 - MOP: Maximum Operating Pressure
 - BTC: Break to Close
 - RTC: Run to Close
 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	Operating supply pressure (psi)								
						120			150			174		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
3C-2000-385-CL	75	144	86155	51826	100067	202125	61118	75128	-	-	-	-	-	-
3C-2000-435-CL	61	113	85960	51684	99686	-	-	-	-	-	-	-	-	-
3C-2000-485-CL	50	90	85845	51596	99439	-	-	-	-	-	-	-	-	-
3C-2000-535-CL	43	74	85818	51578	99386	-	-	-	-	-	-	-	-	-
3C-2000-585-CL	37	62	85438	51295	98607	-	-	-	-	-	-	-	-	-
6C-2500-485-CL	60	144	122962	75021	149556	413870	138272	181319	-	-	-	-	-	-
6C-2500-535-CL	50	117	122935	74995	149494	-	-	-	-	-	-	-	-	-
6C-2500-585-CL	44	99	122484	74667	148583	-	-	-	-	-	-	-	-	-
6C-2500-635-CL	38	84	121997	74305	147591	-	-	-	-	-	-	-	-	-
6C-2500-685-CL	34	128	121475	73915	146512	-	-	-	-	-	-	-	-	-
6C-2500-735-CL	30	62	120909	73499	145361	-	-	-	-	-	-	-	-	-
6C-3800-535-CL	65	131	166522	104766	224259	463280	154229	201789	-	-	-	-	-	-
6C-3800-585-CL	56	110	166079	104439	223347	-	-	-	-	-	-	-	-	-
6C-3800-635-CL	49	93	165592	104085	222356	-	-	-	-	-	-	-	-	-
6C-3800-685-CL	43	136	165070	103695	221277	-	-	-	-	-	-	-	-	-
6C-3800-735-CL	38	70	164504	103288	220117	-	-	-	-	-	-	-	-	-
14C-5100-635-CL	53	149	198975	125405	269518	788809	276908	374497	1056522	381709	525389	-	-	-
14C-5100-685-CL	46	129	198399	124980	268341	963022	345106	472696	-	-	-	-	-	-
14C-5100-735-CL	41	112	197780	124528	267075	-	-	-	-	-	-	-	-	-
14C-5100-785-CL	37	99	197125	124050	265721	-	-	-	-	-	-	-	-	-
14C-5100-835-CL	34	87	196417	123537	264279	-	-	-	-	-	-	-	-	-
14C-5100-885-CL	31	77	195674	122988	262748	-	-	-	-	-	-	-	-	-
14C-5100-935-CL	29	70	194877	122413	261128	-	-	-	-	-	-	-	-	-
14C-5400-635-CL	66	157	258393	158937	322963	735577	239932	309830	1003289	345017	460722	-	-	-
14C-5400-685-CL	58	133	257818	158521	321786	909798	308361	408029	-	-	-	-	-	-
14C-5400-735-CL	51	125	257199	158070	320520	-	-	-	-	-	-	-	-	-
14C-5400-785-CL	46	102	256544	157583	319166	-	-	-	-	-	-	-	-	-
14C-5400-835-CL	41	90	255836	157070	317724	-	-	-	-	-	-	-	-	-
14C-5400-885-CL	38	80	255092	156521	316193	-	-	-	-	-	-	-	-	-
14C-5400-935-CL	35	73	254296	155937	314573	-	-	-	-	-	-	-	-	-
14C-8300-735-CL	63	122	331618	204833	420322	997820	330450	430924	-	-	-	-	-	-
14C-8300-785-CL	57	109	330955	204355	418968	-	-	-	-	-	-	-	-	-
14C-8300-835-CL	51	97	330255	203833	417525	-	-	-	-	-	-	-	-	-
14C-8300-885-CL	46	86	329503	203293	415994	-	-	-	-	-	-	-	-	-
14C-8300-935-CL	42	77	328716	202709	414375	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Spring to Close

Models 18C-9600-835-CL to 80C-19700-1800-CL

						Operating supply pressure (psi)											
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	40			50			60			70		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
18C-9600-835-CL	68	116	536354	313157	563480	-	-	-	-	-	-	-	-	-	-	-	-
18C-9600-935-CL	56	97	534584	311839	559851	-	-	-	-	-	-	-	-	-	965924	247632	272677
18C-9600-1000-CL	50	86	533328	310901	557276	-	-	-	-	-	-	933171	234127	254216	1187679	337309	397666
18C-9600-1100-CL	42	71	531230	309334	552975	-	-	-	942021	237791	259199	1249974	362213	432774	1557927	484352	606349
18C-9600-1200-CL	37	59	528929	307626	548266	-	-	-	1230460	354407	421773	-	-	-	-	-	-
18C-9600-1300-CL	33	51	526433	305759	543151	1113861	307688	356062	1543980	478847	598490	-	-	-	-	-	-
18C-9800-835-CL	83	131	680733	394887	699327	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-935-CL	68	103	678963	393568	695707	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-1000-CL	61	90	677706	392639	693132	-	-	-	-	-	-	-	-	-	1052371	236251	240224
18C-9800-1100-CL	51	75	675600	391073	688831	-	-	-	-	-	-	1114675	263288	275332	1422629	389940	448907
18C-9800-1200-CL	45	62	673299	389356	684123	-	-	-	-	-	-	1461648	405649	470900	-	-	-
18C-9800-1300-CL	39	44	670803	387488	678999	-	-	-	1408681	384311	441049	-	-	-	-	-	-
18C-10500-935-CL	75	106	761348	437340	755870	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-1000-CL	67	93	760091	436402	753294	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-1100-CL	57	77	757985	434827	748993	-	-	-	-	-	-	-	-	-	1362696	335539	359991
18C-10500-1200-CL	49	64	755684	433110	744285	-	-	-	-	-	-	1401725	351752	381984	-	-	-
18C-10500-1300-CL	43	44	753188	431234	739170	-	-	-	1348758	329716	352133	-	-	-	-	-	-
18C-11000-935-CL	68	115	852556	505344	942684	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-1000-CL	61	100	851299	504415	940109	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-1100-CL	51	83	849193	502857	935808	-	-	-	-	-	-	-	-	-	1176652	254880	255128
18C-11000-1200-CL	45	70	846892	501149	931100	-	-	-	-	-	-	1215680	272669	277120	1582168	425535	483688
18C-11000-1300-CL	39	59	844396	499290	925976	-	-	-	1162704	247269	247269	1592823	429845	489697	-	-	-
32C-9900-1100-CL	52	99	802642	442456	686300	-	-	-	-	-	-	1430355	316653	319830	1791860	469023	523593
32C-9900-1200-CL	45	83	799943	440403	680769	-	-	-	-	-	-	1837667	487662	549408	2267901	660520	791898
32C-9900-1300-CL	39	70	797013	438181	674759	-	-	-	1775487	462324	514362	2280406	665493	798951	2785325	865698	1083541
32C-12000-1100-CL	61	104	979270	553568	918134	-	-	-	-	-	-	-	-	-	1560972	327468	327468
32C-12000-1200-CL	53	88	976571	551541	912603	-	-	-	-	-	-	1606779	351575	353283	2037005	533487	595773
32C-12000-1300-CL	46	75	973633	549328	906594	-	-	-	-	-	-	2049518	538602	602827	2554437	741719	887416
32C-15000-1100-CL	70	112	1138889	658413	1156084	-	-	-	-	-	-	-	-	-	-	-	-
32C-15000-1200-CL	60	93	1136190	656405	1150553	-	-	-	-	-	-	-	-	-	1800028	408074	417021
32C-15000-1300-CL	52	80	1133251	654201	1144544	-	-	-	-	-	-	1812542	413552	424074	2317461	623394	708664

Model						Operating supply pressure (psi)											
						40			50			60			70		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
50C-15400-1100-CL	68	126	1236991	685893	1081036	-	-	-	-	-	-	-	-	-	-	-	-
50C-15400-1200-CL	59	106	1233991	683627	1074894	-	-	-	-	-	-	-	-	-	2202703	495149	503813
50C-15400-1300-CL	51	91	1230734	681176	1068213	-	-	-	-	-	-	2216606	501299	511654	2777626	735736	827864
50C-15400-1450-CL	43	75	1225353	677114	1057194	-	-	-	2330329	550505	575754	3028284	837104	969146	3726248	1115737	1362537
50C-15600-1100-CL	71	129	1292702	727895	1195148	-	-	-	-	-	-	-	-	-	-	-	-
50C-15600-1200-CL	61	109	1289702	725638	1188998	-	-	-	-	-	-	-	-	-	2089060	439765	439765
50C-15600-1300-CL	53	93	1286445	723178	1182325	-	-	-	-	-	-	-	-	-	2663983	689380	763808
50C-15600-1450-CL	44	73	1281064	719124	1171306	-	-	-	-	-	-	2914641	791261	905090	3612597	1070585	1298490
50C-17300-1100-CL	80	174	1473286	848423	1475428	-	-	-	-	-	-	-	-	-	-	-	-
50C-17300-1200-CL	69	170	1470286	846175	1469286	-	-	-	-	-	-	-	-	-	-	-	-
50C-17300-1300-CL	60	145	1467029	843732	1462604	-	-	-	-	-	-	-	-	-	2384836	546036	560975
50C-17300-1450-CL	49	116	1461648	839697	1451586	-	-	-	-	-	-	2635503	652395	702265	3333459	936295	1095657
50C-18600-1100-CL	100	145	1885714	1059779	1731449	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1200-CL	85	174	1882714	1057522	1725308	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1300-CL	74	149	1879448	1055062	1718626	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1450-CL	61	120	1874067	1051008	1707608	-	-	-	-	-	-	-	-	-	3078473	652953	652953
65C-18400-1600-CL	51	102	1765725	1004431	1693448	-	-	-	-	-	-	3034223	707009	733523	3841564	1040627	1188573
65C-18400-1700-CL	46	87	1761637	1001360	1685075	-	-	-	-	-	-	3651103	963393	1081222	4562511	1329713	1594929
65C-18400-1800-CL	42	73	1757300	998112	1676190	-	-	-	3283580	812324	874079	4305375	1227035	1449993	5327160	1633285	2025907
65C-19400-1600-CL	61	102	2175188	1256700	2202933	-	-	-	-	-	-	-	-	-	3334149	731143	735400
65C-19400-1700-CL	55	87	2171100	1253638	2194561	-	-	-	-	-	-	-	-	-	4055097	1037937	1141747
65C-19400-1800-CL	50	87	2166763	1250390	2185685	-	-	-	-	-	-	3797960	931445	996820	4819745	1347882	1572734
80C-18700-1800-CL	42	73	2169153	1140261	1542520	-	-	-	4546316	1053460	1089497	5801148	1572441	1796762	-	-	-
80C-19700-1800-CL	49	73	2645053	1415735	2020809	-	-	-	-	-	-	5324797	1233902	1276143	6579621	1754716	1983409

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
18C-9600-835-CL	68	116	536354	313157	563480	831307	191125	196797	1008750	265155	296811	1186201	336716	396834	1363652	407436	496848
18C-9600-935-CL	56	97	534584	311839	559851	1188422	337610	398082	1410911	426172	523486	-	-	-	-	-	-
18C-9600-1000-CL	50	86	533328	310901	557276	1442178	438571	541116	-	-	-	-	-	-	-	-	-
18C-9600-1100-CL	42	71	531230	309334	552975	-	-	-	-	-	-	-	-	-	-	-	-
18C-9600-1200-CL	37	59	528929	307626	548266	-	-	-	-	-	-	-	-	-	-	-	-
18C-9600-1300-CL	33	51	526433	305759	543151	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-835-CL	83	131	680733	394887	699327	-	-	-	-	-	-	1050902	235596	239393	1228345	310847	339406
18C-9800-935-CL	68	103	678963	393568	695707	1053115	236578	240640	1275612	330264	366045	1498110	420295	491449	-	-	-
18C-9800-1000-CL	61	90	677706	392639	693132	1306880	343053	383674	1561388	445633	527124	-	-	-	-	-	-
18C-9800-1100-CL	51	75	675600	391073	688831	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-1200-CL	45	62	673299	389356	684123	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-1300-CL	39	44	670803	387488	678999	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-935-CL	75	106	761348	437340	755870	-	-	-	1215689	272677	277129	1438187	366797	402542	-	-	-
18C-10500-1000-CL	67	93	760091	436402	753294	1246956	286413	294758	1501464	392719	438208	-	-	-	-	-	-
18C-10500-1100-CL	57	77	757985	434827	748993	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-1200-CL	49	64	755684	433110	744285	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-1300-CL	43	44	753188	431234	739170	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-935-CL	68	115	852556	505344	942684	-	-	-	1029644	172265	172265	1252142	288652	297679	1474631	381754	423083
18C-11000-1000-CL	61	100	851299	504415	940109	1060911	189894	189894	1315420	315697	333344	1569919	420570	476794	-	-	-
18C-11000-1100-CL	51	83	849193	502857	935808	1484605	385833	428703	-	-	-	-	-	-	-	-	-
18C-11000-1200-CL	45	70	846892	501149	931100	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-1300-CL	39	59	844396	499290	925976	-	-	-	-	-	-	-	-	-	-	-	-
32C-9900-1100-CL	52	99	802642	442456	686300	2153373	614783	727346	2514878	758666	931109	-	-	-	-	-	-
32C-9900-1200-CL	45	83	799943	440403	680769	2698126	831254	1034388	-	-	-	-	-	-	-	-	-
32C-9900-1300-CL	39	70	797013	438181	674759	-	-	-	-	-	-	-	-	-	-	-	-
32C-12000-1100-CL	61	104	979270	553568	918134	1922486	486520	531230	2283990	633439	734984	2645504	777950	938746	-	-	-
32C-12000-1200-CL	53	88	976571	551541	912603	2467230	706876	838272	-	-	-	-	-	-	-	-	-
32C-12000-1300-CL	46	75	973633	549328	906594	-	-	-	-	-	-	-	-	-	-	-	-
32C-15000-1100-CL	70	112	1138889	658413	1156084	1685500	352469	352469	2047014	512778	556231	2408528	660175	759985	2770032	805031	963747
32C-15000-1200-CL	60	93	1136190	656405	1150553	2230253	587976	659511	2660478	761268	902001	-	-	-	-	-	-
32C-15000-1300-CL	52	80	1133251	654201	1144544	2822380	825855	993253	-	-	-	-	-	-	-	-	-

Model						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
50C-15400-1100-CL	68	126	1236991	685893	1081036	2075449	432092	432092	2477133	612296	658493	2878808	776791	884894	3280483	938215	1111295
50C-15400-1200-CL	59	106	1233991	683627	1074894	2680727	696230	773251	3158760	889514	1042689	3636792	1080213	1312119	-	-	-
50C-15400-1300-CL	51	91	1230734	681176	1068213	3338645	961464	1144075	3899664	1184484	1460285	-	-	-	-	-	-
50C-15400-1450-CL	43	75	1225353	677114	1057194	-	-	-	-	-	-	-	-	-	-	-	--
50C-15600-1100-CL	71	129	1292702	727895	1195148	1961806	368036	368036	2363481	564595	594437	2765165	730674	820838	3166840	892761	1047238
50C-15600-1200-CL	61	109	1289702	725638	1188998	2567084	649572	709195	3045117	843865	978633	3523141	1034990	1248062	-	-	-
50C-15600-1300-CL	53	93	1286445	723178	1182325	3225002	916037	1080019	3786021	1139438	1396229	-	-	-	-	-	-
50C-15600-1450-CL	44	73	1281064	719124	1171306	-	-	-	-	-	-	-	-	-	-	-	-
50C-17300-1100-CL	80	174	1473286	848423	1475428	-	-	-	2084343	391604	391604	2486018	589543	618004	2887702	756188	844405
50C-17300-1200-CL	69	170	1470286	846175	1469286	2287946	502928	506362	2765970	706327	775800	3244003	900364	1045238	3722036	1091497	1314668
50C-17300-1300-CL	60	145	1467029	843732	1462604	2945855	779862	877185	3506874	1005696	1193405	-	-	-	-	-	-
50C-17300-1450-CL	49	116	1461648	839697	1451586	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1100-CL	100	145	1885714	1059779	1731449	-	-	-	-	-	-	-	-	-	2632716	401710	401710
50C-18600-1200-CL	85	174	1882714	1057522	1725308	-	-	-	-	-	-	2989017	602535	602535	3467049	828210	871973
50C-18600-1300-CL	74	149	1879448	1055062	1718626	-	-	-	3251897	735488	750701	3812916	972279	1066912	-	-	-
50C-18600-1450-CL	61	120	1874067	1051008	1707608	3776428	957260	1046344	-	-	-	-	-	-	-	-	-
65C-18400-1600-CL	51	102	1765725	1004431	1693448	4648896	1364086	1643622	5456237	1684305	2098662	-	-	-	-	-	-
65C-18400-1700-CL	46	87	1761637	1001360	1685075	5473920	1691288	2108628	-	-	-	-	-	-	-	-	-
65C-18400-1800-CL	42	73	1757300	998112	1676190	-	-	-	-	-	-	-	-	-	-	-	-
65C-19400-1600-CL	61	102	2175188	1256700	2202933	4141481	1073355	1190440	4948823	1399698	1645489	-	-	-	-	-	-
65C-19400-1700-CL	55	87	2171100	1253638	2194561	4966505	1406761	1655454	-	-	-	-	-	-	-	-	-
65C-19400-1800-CL	50	87	2166763	1250390	2185685	-	-	-	-	-	-	-	-	-	-	-	-
80C-18700-1800-CL	42	73	2169153	1140261	1542520	-	-	-	-	-	-	-	-	-	-	-	-
80C-19700-1800-CL	49	73	2645053	1415735	2020809	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	Operating supply pressure (psi)								
						120			150			174		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
50C-15400-1100-CL	68	126	1236991	685893	1081036	3682158	1098267	1337695	-	-	-	-	-	-
50C-15400-1200-CL	59	106	1233991	683627	1074894	-	-	-	-	-	-	-	-	-
50C-15400-1300-CL	51	91	1230734	681176	1068213	-	-	-	-	-	-	-	-	-
50C-15400-1450-CL	43	75	1225353	677114	1057194	-	-	-	-	-	-	-	-	-
50C-15600-1100-CL	71	129	1292702	727895	1195148	3568515	1053044	1273639	-	-	-	-	-	-
50C-15600-1200-CL	61	109	1289702	725638	1188998	-	-	-	-	-	-	-	-	-
50C-15600-1300-CL	53	93	1286445	723178	1182325	-	-	-	-	-	-	-	-	-
50C-15600-1450-CL	44	73	1281064	719124	1171306	-	-	-	-	-	-	-	-	-
50C-17300-1100-CL	80	174	1473286	848423	1475428	3289377	918586	1070806	-	-	-	-	-	-
50C-17300-1200-CL	69	170	1470286	846175	1469286	-	-	-	-	-	-	-	-	-
50C-17300-1300-CL	60	145	1467029	843732	1462604	-	-	-	-	-	-	-	-	-
50C-17300-1450-CL	49	116	1461648	839697	1451586	-	-	-	-	-	-	-	-	-
50C-18600-1100-CL	100	145	1885714	1059779	1731449	3034391	628111	628111	-	-	-	-	-	-
50C-18600-1200-CL	85	174	1882714	1057522	1725308	3945073	1026467	1141402	-	-	-	-	-	-
50C-18600-1300-CL	74	149	1879448	1055062	1718626	-	-	-	-	-	-	-	-	-
50C-18600-1450-CL	61	120	1874067	1051008	1707608	-	-	-	-	-	-	-	-	-
65C-18400-1600-CL	51	102	1765725	1004431	1693448	-	-	-	-	-	-	-	-	-
65C-18400-1700-CL	46	87	1761637	1001360	1685075	-	-	-	-	-	-	-	-	-
65C-18400-1800-CL	42	73	1757300	998112	1676190	-	-	-	-	-	-	-	-	-
65C-19400-1600-CL	61	102	2175188	1256700	2202933	-	-	-	-	-	-	-	-	-
65C-19400-1700-CL	55	87	2171100	1253638	2194561	-	-	-	-	-	-	-	-	-
65C-19400-1800-CL	50	87	2166763	1250390	2185685	-	-	-	-	-	-	-	-	-
80C-18700-1800-CL	42	73	2169153	1140261	1542520	-	-	-	-	-	-	-	-	-
80C-19700-1800-CL	49	73	2645053	1415735	2020809	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Spring to Open

Models 0.3C-008A-100-OP to 1.5C-1200-585-OP

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.3C-008A-100-OP	65	174	3257	788	832	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-008A-135-OP	40	174	3142	735	770	-	-	-	2221	1336	2575	2929	1850	4018	3629	2363	5469
0.3C-008B-100-OP	91	174	5000	832	832	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-008B-135-OP	54	174	4894	770	770	-	-	-	-	-	-	-	-	-	3531	2000	3328
0.3C-008C-100-OP	91	174	6036	1080	1080	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-008C-135-OP	63	174	5921	1009	1009	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-008C-175-OP	41	145	5779	938	938	-	-	-	4160	2354	3947	5345	3239	6381	6531	4106	8806
0.3C-0100-135-OP	95	174	9638	2151	2177	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-0100-175-OP	60	161	9496	2089	2106	-	-	-	-	-	-	-	-	-	5195	2832	4248
0.3C-0100-235-OP	37	90	9284	1982	1982	-	-	-	7478	4531	8921	9620	6098	13310	11762	7655	17691
0.3C-0150-175-OP	73	174	12018	3151	3522	-	-	-	-	-	-	-	-	-	-	-	-
0.3C-0150-235-OP	44	97	11815	3062	3407	-	-	-	-	-	-	8107	5000	10213	10248	6558	14603
0.9C-0200-235-OP	48	174	15240	3832	4168	-	-	-	-	-	-	9071	5345	9868	11540	7177	14939
0.9C-0200-280-OP	36	139	15001	3735	4036	-	-	-	11655	7257	15178	15169	9815	22373	18691	12363	29577
0.9C-0200-335-OP	28	97	14824	3655	3929	14116	9045	20205	19143	12700	30506	24178	16346	40816	29205	19983	51118
0.9C-0250-235-OP	56	174	18399	5115	5947	-	-	-	-	-	-	-	-	-	9647	5779	11063
0.9C-0250-280-OP	42	144	18160	5018	5814	-	-	-	9762	5859	11293	13275	8434	18497	16788	10992	25692
0.9C-0250-335-OP	32	100	17983	4947	5717	12213	7664	16319	17249	11328	26630	22284	14974	36931	27311	18612	47241
0.9C-0350-280-OP	60	162	29063	7452	8213	-	-	-	-	-	-	-	-	-	13868	7717	12319
0.9C-0350-335-OP	45	113	28886	7381	8115	-	-	-	-	-	-	19355	11806	23559	24382	15488	33869
0.9C-0350-385-OP	36	86	28674	7292	7992	-	-	-	22275	13948	29550	28922	18789	43161	35568	23603	56782
0.9C-0350-435-OP	30	67	28506	7230	7903	22895	14399	30816	31382	20567	48197	39860	26718	65570	-	-	-
0.9C-0350-485-OP	25	51	28409	7186	7841	31090	20355	47595	41630	28001	69198	-	-	-	-	-	-
0.9C-0400-280-OP	70	173	34550	9673	11310	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0400-335-OP	51	120	34373	9602	11204	-	-	-	-	-	-	16063	9372	16833	21098	13089	27143
0.9C-0400-385-OP	41	91	34161	9523	11089	-	-	-	18992	11540	22824	25638	16399	36435	32285	21222	50047
0.9C-0400-435-OP	33	71	33993	9452	10992	-	-	-	28090	18187	41462	36577	24338	58844	45064	30479	76216
0.9C-0400-485-OP	28	51	33896	9416	10939	27798	17974	40869	38347	25621	62472	-	-	-	-	-	-
0.9C-0420-335-OP	55	125	37843	11071	13319	-	-	-	-	-	-	-	-	-	18868	11496	22886
0.9C-0420-385-OP	44	94	37630	10992	13204	-	-	-	-	-	-	23408	14815	32179	30055	19647	45790
0.9C-0420-435-OP	36	74	37462	10921	13107	-	-	-	25860	16603	37214	34347	22762	54587	42834	28904	71968
0.9C-0420-485-OP	30	54	37365	10877	13045	25577	16390	36612	36117	24045	58215	-	-	-	-	-	-

Model						Operating supply pressure (psi)											
						40			50			60			70		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.9C-0700-335-OP	68	138	48790	13116	14912	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0700-385-OP	54	104	48578	13027	14788	-	-	-	-	-	-	-	-	-	27904	16780	32364
0.9C-0700-435-OP	44	81	48410	12965	14700	-	-	-	-	-	-	32196	19939	41161	40683	26125	58543
0.9C-0700-485-OP	37	58	48303	12921	14638	-	-	-	33966	21231	44790	44516	28913	66393	-	-	-
0.9C-0720-385-OP	61	113	57454	16603	19797	-	-	-	-	-	-	-	-	-	22585	12815	21470
0.9C-0720-435-OP	50	88	57295	16532	19700	-	-	-	-	-	-	26877	16019	30267	35365	22249	47648
0.9C-0720-485-OP	42	71	57189	16488	19647	-	-	-	28647	17328	33896	39197	25046	55498	49746	32701	77101
1.5C-0800-385-OP	53	123	60693	13921	14310	-	-	-	-	-	-	-	-	-	39551	23134	41834
1.5C-0800-435-OP	43	97	60481	13824	14195	-	-	-	-	-	-	44976	27170	52950	55711	35028	74924
1.5C-0800-485-OP	36	78	60357	13771	14116	-	-	-	47215	28824	57543	60552	38568	84863	73889	48259	112174
1.5C-0800-535-OP	31	64	60322	13753	14098	45436	27506	53879	61658	39365	87119	77889	51162	120360	-	-	-
1.5C-1100-385-OP	73	142	89128	20390	20939	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-435-OP	59	112	88916	20293	20815	-	-	-	-	-	-	-	-	-	47719	26169	40055
1.5C-1100-485-OP	49	90	88783	20240	20744	-	-	-	-	-	-	52569	29833	49985	65906	39763	77305
1.5C-1100-535-OP	42	74	88757	20222	20727	-	-	-	53675	30656	52250	69897	42719	85482	86128	54578	118723
1.5C-1100-585-OP	36	61	88332	20036	20488	-	-	-	69313	42285	84287	88721	56463	124033	-	-	-
1.5C-1200-385-OP	84	154	104067	26816	29630	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-435-OP	67	120	103855	26727	29506	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-485-OP	56	96	103722	26674	29435	-	-	-	-	-	-	-	-	-	56693	33002	58976
1.5C-1200-535-OP	47	78	103695	26665	29417	-	-	-	-	-	-	60693	35984	67163	76924	47932	100403
1.5C-1200-585-OP	41	67	103271	26488	29178	-	-	-	60109	35550	65968	79508	49826	105713	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.3C-008A-100-OP	65	174	3257	788	832	1850	1053	1814	2239	1345	2611	2620	1628	3407	3009	1912	4195
0.3C-008A-135-OP	40	174	3142	735	770	4337	2876	6921	5045	3390	8363	5753	3903	9815	6461	4407	11257
0.3C-008B-100-OP	91	174	5000	832	832	-	-	-	-	-	-	2522	1221	1266	2912	1522	2062
0.3C-008B-135-OP	54	174	4894	770	770	4239	2522	4779	4947	3044	6222	5646	3558	7673	6354	4080	9116
0.3C-008C-100-OP	91	174	6036	1080	1080	-	-	-	-	-	-	-	-	-	2620	797	797
0.3C-008C-135-OP	63	174	5921	1009	1009	3947	2195	3513	4655	2726	4965	5354	3248	6407	6062	3770	7859
0.3C-008C-175-OP	41	145	5779	938	938	7717	4974	11240	8903	5832	13673	10089	6699	16107	11284	7558	18541
0.3C-0100-135-OP	95	174	9638	2151	2177	-	-	-	-	-	-	-	-	-	4735	2469	3301
0.3C-0100-175-OP	60	161	9496	2089	2106	6381	3717	6682	7567	4602	9116	8762	5469	11549	9947	6337	13983
0.3C-0100-235-OP	37	90	9284	1982	1982	13903	9213	22081	16045	10762	26470	-	-	-	-	-	-
0.3C-0150-175-OP	73	174	12018	3151	3522	4876	2584	3593	6062	3478	6018	7248	4363	8452	8434	5239	10886
0.3C-0150-235-OP	44	97	11815	3062	3407	12390	8115	18983	14532	9664	23373	-	-	-	-	-	-
0.9C-0200-235-OP	48	174	15240	3832	4168	14018	8974	20010	16496	10779	25081	18974	12576	30152	21444	14364	35232
0.9C-0200-280-OP	36	139	15001	3735	4036	22205	14912	36772	25718	17461	43976	29232	20001	51171	32745	22541	58375
0.9C-0200-335-OP	28	97	14824	3655	3929	34241	23621	61428	39267	27258	71738	-	-	-	-	-	-
0.9C-0250-235-OP	56	174	18399	5115	5947	12125	7602	16134	14603	9399	21205	17081	11195	26276	19550	12992	31347
0.9C-0250-280-OP	42	144	18160	5018	5814	20311	13541	32895	23824	16089	40091	27338	18629	47294	30851	21169	54489
0.9C-0250-335-OP	32	100	17983	4947	5717	32347	22249	57543	37374	25886	67853	42409	29524	78163	-	-	-
0.9C-0350-280-OP	60	162	29063	7452	8213	17381	10346	19523	20895	12939	26718	24408	15505	33922	27922	18063	41117
0.9C-0350-335-OP	45	113	28886	7381	8115	29417	19143	44179	34444	22798	54481	39480	26435	64791	44516	30081	75092
0.9C-0350-385-OP	36	86	28674	7292	7992	42215	28417	70393	-	-	-	-	-	-	-	-	-
0.9C-0350-435-OP	30	67	28506	7230	7903	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0350-485-OP	25	51	28409	7186	7841	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0400-280-OP	70	173	34550	9673	11310	14089	7894	12788	17612	10514	19992	21125	13107	27196	24638	15673	34391
0.9C-0400-335-OP	51	120	34373	9602	11204	26134	16753	37444	31161	20408	47755	36197	24063	58056	41223	27701	68366
0.9C-0400-385-OP	41	91	34161	9523	11089	38931	26037	63658	45578	30851	77269	-	-	-	-	-	-
0.9C-0400-435-OP	33	71	33993	9452	10992	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0400-485-OP	28	51	33896	9416	10939	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0420-335-OP	55	125	37843	11071	13319	23904	15178	33188	28931	18833	43498	33966	22488	53808	38993	26134	64109
0.9C-0420-385-OP	44	94	37630	10992	13204	36701	24470	59410	43347	29285	73021	-	-	-	-	-	-
0.9C-0420-435-OP	36	74	37462	10921	13107	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0420-485-OP	30	54	37365	10877	13045	-	-	-	-	-	-	-	-	-	-	-	-

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.9C-0700-335-OP	68	138	48790	13116	14912	21753	12186	19771	26780	15948	30072	31816	19656	40383	36843	23329	50684
0.9C-0700-385-OP	54	104	48578	13027	14788	34550	21656	45985	41197	26497	59596	47843	31320	73207	-	-	-
0.9C-0700-435-OP	44	81	48410	12965	14700	49162	32285	75915	-	-	-	-	-	-	-	-	-
0.9C-0700-485-OP	37	58	48303	12921	14638	-	-	-	-	-	-	-	-	-	-	-	-
0.9C-0720-385-OP	61	113	57454	16603	19797	29232	17762	35090	35878	22621	48702	42524	27462	62313	49171	32285	75924
0.9C-0720-435-OP	50	88	57295	16532	19700	43843	28426	65021	-	-	-	-	-	-	-	-	-
0.9C-0720-485-OP	42	71	57189	16488	19647	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-0800-385-OP	53	123	60693	13921	14310	47949	29364	59047	56357	35506	76260	64764	41622	93474	73163	47728	110687
1.5C-0800-435-OP	43	97	60481	13824	14195	66437	42843	96899	77163	50631	118873	-	-	-	-	-	-
1.5C-0800-485-OP	36	78	60357	13771	14116	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-0800-535-OP	31	64	60322	13753	14098	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-385-OP	73	142	89128	20390	20939	-	-	-	48365	26665	41383	56773	32975	58596	65180	39223	75809
1.5C-1100-435-OP	59	112	88916	20293	20815	58445	34223	62030	69180	42179	84004	79907	50038	105979	90633	57852	127953
1.5C-1100-485-OP	49	90	88783	20240	20744	79243	49551	104616	92580	59268	131936	-	-	-	-	-	-
1.5C-1100-535-OP	42	74	88757	20222	20727	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1100-585-OP	36	61	88332	20036	20488	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-385-OP	84	154	104067	26816	29630	-	-	-	-	-	-	47560	26152	40276	55967	32462	57490
1.5C-1200-435-OP	67	120	103855	26727	29506	49241	27417	43701	59968	35444	65676	70694	43383	87650	81429	51224	109625
1.5C-1200-485-OP	56	96	103722	26674	29435	70030	42896	86296	83367	52640	113607	-	-	-	-	-	-
1.5C-1200-535-OP	47	78	103695	26665	29417	-	-	-	-	-	-	-	-	-	-	-	-
1.5C-1200-585-OP	41	67	103271	26488	29178	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

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- MOP: Maximum Operating Pressure
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- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

[illegible]

Model	Hold pressure (psi)	MOP (psi)	Operating supply pressure (psi)											
			BTO	RTO	ETO	120			150			174		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9C-0700-335-OP	68	138	48790	13116	14912	41878	26993	60994	-	-	-	-	-	-
0.9C-0700-385-OP	54	104	48578	13027	14788	-	-	-	-	-	-	-	-	-
0.9C-0700-435-OP	44	81	48410	12965	14700	-	-	-	-	-	-	-	-	-
0.9C-0700-485-OP	37	58	48303	12921	14638	-	-	-	-	-	-	-	-	-
0.9C-0720-385-OP	61	113	57454	16603	19797	-	-	-	-	-	-	-	-	-
0.9C-0720-435-OP	50	88	57295	16532	19700	-	-	-	-	-	-	-	-	-
0.9C-0720-485-OP	42	71	57189	16488	19647	-	-	-	-	-	-	-	-	-
1.5C-0800-385-OP	53	123	60693	13921	14310	81570	53826	127900	-	-	-	-	-	-
1.5C-0800-435-OP	43	97	60481	13824	14195	-	-	-	-	-	-	-	-	-
1.5C-0800-485-OP	36	78	60357	13771	14116	-	-	-	-	-	-	-	-	-
1.5C-0800-535-OP	31	64	60322	13753	14098	-	-	-	-	-	-	-	-	-
1.5C-1100-385-OP	73	142	89128	20390	20939	73579	45409	93022	-	-	-	-	-	-
1.5C-1100-435-OP	59	112	88916	20293	20815	-	-	-	-	-	-	-	-	-
1.5C-1100-485-OP	49	90	88783	20240	20744	-	-	-	-	-	-	-	-	-
1.5C-1100-535-OP	42	74	88757	20222	20727	-	-	-	-	-	-	-	-	-
1.5C-1100-585-OP	36	61	88332	20036	20488	-	-	-	-	-	-	-	-	-
1.5C-1200-385-OP	84	154	104067	26816	29630	64375	38710	74703	89589	57162	126343	-	-	-
1.5C-1200-435-OP	67	120	103855	26727	29506	92155	59038	131600	-	-	-	-	-	-
1.5C-1200-485-OP	56	96	103722	26674	29435	-	-	-	-	-	-	-	-	-
1.5C-1200-535-OP	47	78	103695	26665	29417	-	-	-	-	-	-	-	-	-
1.5C-1200-585-OP	41	67	103271	26488	29178	-	-	-	-	-	-	-	-	-

NOTES:

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- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Spring to Open

Models 3C-2000-385-OP to 14C-8300-985-OP

Model	Hold pressure (psi)	MOP (psi)	Operating supply pressure (psi)														
			BTO	RTO	ETO	40			50			60			70		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
3C-2000-385-OP	76	161	153105	41542	47498	-	-	-	-	-	-	-	-	-	-	-	-
3C-2000-435-OP	61	126	152760	41400	47303	-	-	-	-	-	-	-	-	-	66313	37020	59445
3C-2000-485-OP	51	104	152539	41312	47179	-	-	-	-	-	-	74340	43046	75880	96412	59392	121095
3C-2000-535-OP	43	83	152494	41294	47153	-	-	-	76172	44409	79632	103032	64224	134644	129891	83792	189664
3C-2000-585-OP	37	70	151786	41011	46755	-	-	-	102067	63525	132670	134184	86916	198452	166300	110218	264226
6C-2500-485-OP	60	152	218330	60985	71101	-	-	-	-	-	-	-	-	-	95111	54321	92518
6C-2500-535-OP	50	125	218268	60959	71074	-	-	-	-	-	-	102846	60100	108359	134255	83296	172681
6C-2500-585-OP	44	113	217445	60631	70605	-	-	-	-	-	-	139264	86951	182956	176814	114298	259854
6C-2500-635-OP	38	88	216551	60269	70101	-	-	-	134697	83624	173593	178938	115847	264208	223179	147945	354814
6C-2500-685-OP	34	126	215586	59879	69561	-	-	-	170380	109616	246676	221861	146990	352124	273341	184266	457563
6C-2500-735-OP	31	67	214542	59463	68968	149494	94412	203895	208763	137485	325291	268031	180425	446695	-	-	-
6C-3800-535-OP	66	141	297537	88881	108377	-	-	-	-	-	-	-	-	-	-	-	-
6C-3800-585-OP	56	117	296714	88553	107908	-	-	-	-	-	-	-	-	-	136432	82721	162628
6C-3800-635-OP	49	100	295820	88199	107404	-	-	-	-	-	-	138556	84287	166973	182797	116616	257588
6C-3800-685-OP	43	136	294855	87819	106864	-	-	-	-	-	-	181478	115661	254889	232959	153061	360328
6C-3800-735-OP	39	74	293811	87403	106271	-	-	-	168380	106120	228065	227649	149211	349460	286926	192160	470855
14C-5100-635-OP	53	152	355505	106581	130272	-	-	-	-	-	-	137219	79933	143025	185567	115616	242056
14C-5100-685-OP	47	131	354443	106165	129679	-	-	-	-	-	-	184133	114572	239109	240401	155548	354354
14C-5100-735-OP	41	107	353301	105713	129033	-	-	-	169814	104094	209789	234596	151335	342477	299378	198346	475157
14C-5100-785-OP	37	100	352088	105227	128343	-	-	-	214728	136874	301767	288616	190541	453120	362514	244065	604473
14C-5100-835-OP	34	88	350787	104713	127617	-	-	-	262588	171655	399799	346194	232251	571046	429800	292740	742285
14C-5100-885-OP	31	78	349407	104165	126838	219480	140334	311511	313405	208497	503875	407321	276492	696247	501246	344398	888611
14C-5100-935-OP	29	70	347947	103580	126015	262341	171478	399294	367169	247437	614013	472006	323255	828723	576843	399047	1043442
14C-5400-635-OP	66	165	459970	130874	154486	-	-	-	-	-	-	-	-	-	-	-	-
14C-5400-685-OP	58	142	458908	130449	153893	-	-	-	-	-	-	-	-	-	211161	123997	226224
14C-5400-735-OP	51	123	457766	129998	153247	-	-	-	-	-	-	205364	119670	214338	270146	167539	347026
14C-5400-785-OP	46	104	456545	129511	152565	-	-	-	-	-	-	259385	159663	324981	333273	213559	476334
14C-5400-835-OP	41	96	455253	128989	151831	-	-	-	233348	140467	271660	316954	201692	442907	400569	262438	614155
14C-5400-885-OP	38	86	453872	128440	151052	-	-	-	284165	177779	375744	378090	246127	568108	472006	314237	760472
14C-5400-935-OP	35	75	452412	127856	150229	-	-	-	337937	216949	485874	442766	293059	700593	547603	368974	915311
14C-8300-735-OP	63	135	589286	169053	200656	-	-	-	-	-	-	-	-	-	-	-	-
14C-8300-785-OP	57	119	588065	168566	199966	-	-	-	-	-	-	-	-	-	280200	166902	315016
14C-8300-835-OP	51	112	586764	168044	199240	-	-	-	-	-	-	263880	154778	281589	347495	216444	452837
14C-8300-885-OP	46	93	585383	167495	198461	-	-	-	-	-	-	325007	200001	406790	418932	268500	599154
14C-8300-935-OP	42	84	583923	166911	197638	-	-	-	284864	170363	324556	389692	247234	539275	494529	323423	753993

See notes on the next page.

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
3C-2000-385-OP	76	161	153105	41542	47498	-	-	-	67393	37834	61649	81305	48224	90137	95208	58507	118634
3C-2000-435-OP	61	126	152760	41400	47303	84075	50286	95819	101828	63357	132192	119590	76296	168557	137352	89208	204931
3C-2000-485-OP	51	104	152539	41312	47179	118493	75499	166309	140565	91544	211524	162645	107563	256739	-	-	-
3C-2000-535-OP	43	83	152494	41294	47153	156751	103297	244676	-	-	-	-	-	-	-	-	-
3C-2000-585-OP	37	70	151786	41011	46755	-	-	-	-	-	-	-	-	-	-	-	-
6C-2500-485-OP	60	152	218330	60985	71101	120918	73508	145379	146733	92403	198240	172540	111191	251101	198346	129927	303962
6C-2500-535-OP	50	125	218268	60959	71074	165654	106182	237003	197054	128998	301325	228463	151769	365638	259863	174504	429960
6C-2500-585-OP	44	113	217445	60631	70605	214365	141547	336760	251906	168743	413667	289457	195930	490573	-	-	-
6C-2500-635-OP	38	88	216551	60269	70101	267420	179974	445429	-	-	-	-	-	-	-	-	-
6C-2500-685-OP	34	126	215586	59879	69561	-	-	-	-	-	-	-	-	-	-	-	-
6C-2500-735-OP	31	67	214542	59463	68968	-	-	-	-	-	-	-	-	-	-	-	-
6C-3800-535-OP	66	141	297537	88881	108377	125272	74446	139768	156672	97571	204090	188080	120457	268412	219480	143282	332725
6C-3800-585-OP	56	117	296714	88553	107908	173982	110200	239525	211524	137511	316432	249074	164752	393338	286625	191948	470245
6C-3800-635-OP	49	100	295820	88199	107404	227038	148760	348194	271279	180832	438810	315520	212869	529425	-	-	-
6C-3800-685-OP	43	136	294855	87819	106864	284439	190364	465776	-	-	-	-	-	-	-	-	-
6C-3800-735-OP	39	74	293811	87403	106271	-	-	-	-	-	-	-	-	-	-	-	-
14C-5100-635-OP	53	152	355505	106581	130272	233923	150839	341097	282280	185939	440128	330627	220976	539169	378984	255986	638200
14C-5100-685-OP	47	131	354443	106165	129679	296670	196382	469599	352929	237127	584843	409197	277846	700088	465466	318529	815333
14C-5100-735-OP	41	107	353301	105713	129033	364160	245260	607845	428942	292121	740524	493724	338955	873212	558506	385798	1005891
14C-5100-785-OP	37	100	352088	105227	128343	436411	297519	755817	510309	350947	907169	584197	404365	1058522	-	-	-
14C-5100-835-OP	34	88	350787	104713	127617	513406	353195	913532	-	-	-	-	-	-	-	-	-
14C-5100-885-OP	31	78	349407	104165	126838	-	-	-	-	-	-	-	-	-	-	-	-
14C-5100-935-OP	29	70	347947	103580	126015	-	-	-	-	-	-	-	-	-	-	-	-
14C-5400-635-OP	66	165	459970	130874	154486	204692	119174	212958	253039	155017	311998	301396	190346	411029	349743	225542	510070
14C-5400-685-OP	58	142	458908	130449	153893	267429	165557	341468	323698	206594	456713	379966	247490	571958	436234	288315	687203
14C-5400-735-OP	51	123	457766	129998	153247	334928	214754	479705	399710	261810	612393	464483	308785	745073	529265	355699	877761
14C-5400-785-OP	46	104	456545	129511	152565	407171	267235	627686	481068	320795	779030	554966	374302	930383	-	-	-
14C-5400-835-OP	41	96	455253	128989	151831	484175	323043	785393	567781	383586	956641	-	-	-	-	-	-
14C-5400-885-OP	38	86	453872	128440	151052	565931	382240	952844	-	-	-	-	-	-	-	-	-
14C-5400-935-OP	35	75	452412	127856	150229	-	-	-	-	-	-	-	-	-	-	-	-
14C-8300-735-OP	63	135	589286	169053	200656	281846	168123	318388	346628	215816	451076	411410	263031	583755	476192	310122	716443
14C-8300-785-OP	57	119	588065	168566	199966	354097	221268	466368	427995	275093	617712	501892	328760	769065	575781	382355	920418
14C-8300-835-OP	51	112	586764	168044	199240	431101	277350	624075	514707	338061	795323	598313	398666	966562	-	-	-
14C-8300-885-OP	46	93	585383	167495	198461	512858	336716	791526	606774	404790	983890	-	-	-	-	-	-
14C-8300-935-OP	42	84	583923	166911	197638	599366	399427	968703	-	-	-	-	-	-	-	-	-

- NOTES:**
- Hold pressure: the minimum pressure to operate the actuator
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 - BTC: Break to Close
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 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
3C-2000-385-OP	76	161	153105	41542	47498	109121	68676	147122	150857	99014	232596	-	-	-
3C-2000-435-OP	61	126	152760	41400	47303	155105	102094	241304	-	-	-	-	-	-
3C-2000-485-OP	51	104	152539	41312	47179	-	-	-	-	-	-	-	-	-
3C-2000-535-OP	43	83	152494	41294	47153	-	-	-	-	-	-	-	-	-
3C-2000-585-OP	37	70	151786	41011	46755	-	-	-	-	-	-	-	-	-
6C-2500-485-OP	60	152	218330	60985	71101	224153	148645	356814	301581	204701	515397	-	-	-
6C-2500-535-OP	50	125	218268	60959	71074	291271	197240	494281	-	-	-	-	-	-
6C-2500-585-OP	44	113	217445	60631	70605	-	-	-	-	-	-	-	-	-
6C-2500-635-OP	38	88	216551	60269	70101	-	-	-	-	-	-	-	-	-
6C-2500-685-OP	34	126	215586	59879	69561	-	-	-	-	-	-	-	-	-
6C-2500-735-OP	31	67	214542	59463	68968	-	-	-	-	-	-	-	-	-
6C-3800-535-OP	66	141	297537	88881	108377	250889	166061	397046	-	-	-	-	-	-
6C-3800-585-OP	56	117	296714	88553	107908	-	-	-	-	-	-	-	-	-
6C-3800-635-OP	49	100	295820	88199	107404	-	-	-	-	-	-	-	-	-
6C-3800-685-OP	43	136	294855	87819	106864	-	-	-	-	-	-	-	-	-
6C-3800-735-OP	39	74	293811	87403	106271	-	-	-	-	-	-	-	-	-
14C-5100-635-OP	53	152	355505	106581	130272	427340	290961	737240	572400	395834	1034344	-	-	-
14C-5100-685-OP	47	131	354443	106165	129679	521734	359213	930586	-	-	-	-	-	-
14C-5100-735-OP	41	107	353301	105713	129033	-	-	-	-	-	-	-	-	-
14C-5100-785-OP	37	100	352088	105227	128343	-	-	-	-	-	-	-	-	-
14C-5100-835-OP	34	88	350787	104713	127617	-	-	-	-	-	-	-	-	-
14C-5100-885-OP	31	78	349407	104165	126838	-	-	-	-	-	-	-	-	-
14C-5100-935-OP	29	70	347947	103580	126015	-	-	-	-	-	-	-	-	-
14C-5400-635-OP	66	165	459970	130874	154486	398100	260650	609101	543160	365753	906205	-	-	-
14C-5400-685-OP	58	142	458908	130449	153893	492503	329070	802447	-	-	-	-	-	-
14C-5400-735-OP	51	123	457766	129998	153247	594047	402595	1010440	-	-	-	-	-	-
14C-5400-785-OP	46	104	456545	129511	152565	-	-	-	-	-	-	-	-	-
14C-5400-835-OP	41	96	455253	128989	151831	-	-	-	-	-	-	-	-	-
14C-5400-885-OP	38	86	453872	128440	151052	-	-	-	-	-	-	-	-	-
14C-5400-935-OP	35	75	452412	127856	150229	-	-	-	-	-	-	-	-	-
14C-8300-735-OP	63	135	589286	169053	200656	540974	357124	849122	-	-	-	-	-	-
14C-8300-785-OP	57	119	588065	168566	199966	-	-	-	-	-	-	-	-	-
14C-8300-835-OP	51	112	586764	168044	199240	-	-	-	-	-	-	-	-	-
14C-8300-885-OP	46	93	585383	167495	198461	-	-	-	-	-	-	-	-	-
14C-8300-935-OP	42	84	583923	166911	197638	-	-	-	-	-	-	-	-	-

NOTES:

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- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Canted Yoke Design, Spring to Open

Models 18C-9600-835-OP to 80C-19700-1800-OP

Model	Hold pressure (psi)	MOP (psi)	Operating supply pressure (psi)														
			BTO	RTO	ETO	40			50			60			70		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
18C-9600-835-OP	67	141	936082	235330	255862	-	-	-	-	-	-	-	-	-	-	-	-
18C-9600-935-OP	55	109	932817	233976	254022	-	-	-	-	-	-	-	-	-	528106	307007	546576
18C-9600-1000-OP	49	97	930498	233012	252712	-	-	-	-	-	-	510353	293749	510220	648263	396144	792677
18C-9600-1100-OP	42	81	926622	231410	250526	-	-	-	515150	297342	520044	682016	420888	861813	848874	542594	1203573
18C-9600-1200-OP	37	68	922382	229649	248136	-	-	-	671441	413145	840148	870026	557975	1246877	-	-	-
18C-9600-1300-OP	32	58	917772	227737	245534	608261	366567	710752	841325	537098	1188095	-	-	-	-	-	-
18C-9800-835-OP	83	155	1188316	294271	316839	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-935-OP	68	125	1185050	292908	314998	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-1000-OP	60	103	1182732	291935	313697	-	-	-	-	-	-	-	-	-	575250	315609	483290
18C-9800-1100-OP	51	90	1178855	290324	311511	-	-	-	-	-	-	609004	341114	552426	775871	465616	894186
18C-9800-1200-OP	44	75	1174607	288545	309122	-	-	-	-	-	-	797013	481298	937489	995590	626846	1344218
18C-9800-1300-OP	39	64	1169997	286616	306520	-	-	-	768313	460014	878708	1001369	631058	1356050	-	-	-
18C-10500-935-OP	78	133	1385184	344893	372665	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-1000-OP	69	117	1382857	343929	371355	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-1100-OP	58	97	1378980	342327	369169	-	-	-	-	-	-	-	-	-	709018	398082	648705
18C-10500-1200-OP	50	81	1374741	340566	366779	-	-	-	-	-	-	730169	413985	692017	928746	561842	1098745
18C-10500-1300-OP	44	70	1370130	338645	364178	-	-	-	-	-	-	934525	566126	1110569	1167581	736771	1587911
18C-11000-935-OP	86	144	1553511	413897	467537	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-1000-OP	76	125	1551184	412959	466227	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-1100-OP	64	106	1547316	411383	464050	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-1200-OP	55	87	1543068	409658	461651	-	-	-	-	-	-	-	-	-	827935	487033	892266
18C-11000-1300-OP	48	74	1538457	407781	459050	-	-	-	-	-	-	833714	491334	904098	1066770	663210	1381432
32C-9900-1100-OP	53	116	1438240	320202	324273	-	-	-	-	-	-	751631	403657	581817	947516	551205	983014
32C-9900-1200-OP	46	97	1433258	317963	321467	-	-	-	-	-	-	972332	569701	1033857	1205450	742170	1511315
32C-9900-1300-OP	40	83	1427841	315511	318414	-	-	-	938640	544594	964845	1212229	747135	1525200	1485818	946773	2085556
32C-12000-1100-OP	63	125	1758327	417924	438703	-	-	-	-	-	-	-	-	-	819253	432092	590401
32C-12000-1200-OP	54	113	1753344	415808	435889	-	-	-	-	-	-	-	-	-	1077195	626828	1118702
32C-12000-1300-OP	47	90	1747928	413507	432845	-	-	-	-	-	-	1083975	631881	1132579	1357555	834484	1692934
32C-15000-1100-OP	71	133	2048952	513583	557320	-	-	-	-	-	-	-	-	-	-	-	-
32C-15000-1200-OP	61	109	2043969	511521	554514	-	-	-	-	-	-	-	-	-	946578	513583	762206
32C-15000-1300-OP	54	96	2038553	509273	551461	-	-	-	-	-	-	-	-	-	1226946	724036	1336447

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
50C-15400-1100-OP	70	151	2217606	501742	512211	-	-	-	-	-	-	-	-	-	-	-	-
50C-15400-1200-OP	60	128	2212066	499290	509096	-	-	-	-	-	-	-	-	-	1158023	625996	919285
50C-15400-1300-OP	52	110	2206048	496635	505707	-	-	-	-	-	-	1165554	631722	934719	1469534	860185	1557335
50C-15400-1450-OP	44	87	2196128	492237	500105	-	-	-	-	-	-	1605363	961110	1835517	1983542	1239124	2610104
50C-15600-1100-OP	73	154	2320426	546293	570170	-	-	-	-	-	-	-	-	-	-	-	-
50C-15600-1200-OP	62	129	2314895	543912	567046	-	-	-	-	-	-	-	-	-	1096444	578843	793164
50C-15600-1300-OP	54	109	2308877	541337	563657	-	-	-	-	-	-	-	-	-	1407955	814297	1431213
50C-15600-1450-OP	45	88	2298947	537071	558063	-	-	-	-	-	-	1543785	915453	1709395	1921963	1194184	2483983
50C-17300-1100-OP	80	161	2572722	626164	666874	-	-	-	-	-	-	-	-	-	-	-	-
50C-17300-1200-OP	68	135	2567181	623845	663759	-	-	-	-	-	-	-	-	-	-	-	-
50C-17300-1300-OP	59	115	2561172	621314	660360	-	-	-	-	-	-	-	-	-	1300605	718638	1121746
50C-17300-1450-OP	49	93	2551243	617128	654767	-	-	-	-	-	-	1436426	820802	1399928	1814613	1102064	2174516
50C-18600-1100-OP	99	145	3277668	746798	765233	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1200-OP	85	151	3272137	744382	762109	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1300-OP	73	129	3266119	741745	758719	-	-	-	-	-	-	-	-	-	-	-	-
50C-18600-1450-OP	60	104	3256189	737391	753126	-	-	-	-	-	-	-	-	-	1679854	903851	1309827
65C-18400-1600-OP	51	116	3075826	724850	756976	-	-	-	-	-	-	1654817	920993	1466295	2092273	1247885	2362277
65C-18400-1700-OP	46	102	3068277	721620	752719	-	-	-	-	-	-	1989073	1171236	2150904	2482921	1535944	3162379
65C-18400-1800-OP	42	87	3060277	718186	748214	-	-	-	1789930	1022564	1743034	2343586	1433895	2877011	2897242	1838340	4010979
65C-19400-1600-OP	59	116	3668599	877097	923905	-	-	-	-	-	-	-	-	-	1897989	1048406	1635170
65C-19400-1700-OP	53	102	3661059	873893	919657	-	-	-	-	-	-	-	-	-	2288628	1341235	2435281
65C-19400-1800-OP	48	87	3653059	870486	915143	-	-	-	-	-	-	2149302	1237301	2149904	2702949	1648481	3283881
80C-18700-1800-OP	42	87	3727558	628014	628014	-	-	-	2479522	1376777	2178206	3159441	1884953	3570807	3839369	2385730	4963407
80C-19700-1800-OP	49	87	4560290	845246	845246	-	-	-	-	-	-	2903119	1611824	2549375	3583046	2120699	3941976

NOTES:

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- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
18C-9600-835-OP	67	141	936082	235330	255862	455164	252278	397170	551311	324299	594101	647457	395551	791031	743612	465891	987961
18C-9600-935-OP	55	109	932817	233976	254022	648661	396445	793500	769224	484582	1040424	889779	572347	1287348	1010343	659918	1534271
18C-9600-1000-OP	49	97	930498	233012	252712	786163	496945	1075125	924064	597295	1357572	-	-	-	-	-	-
18C-9600-1100-OP	42	81	926622	231410	250526	1015741	663839	1545334	-	-	-	-	-	-	-	-	-
18C-9600-1200-OP	37	68	922382	229649	248136	-	-	-	-	-	-	-	-	-	-	-	-
18C-9600-1300-OP	32	58	917772	227737	245534	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-835-OP	83	155	1188316	294271	316839	-	-	-	478298	240977	284722	574445	314998	481652	670600	387338	678583
18C-9800-935-OP	68	125	1185050	292908	314998	575648	315910	484113	696212	406427	731037	816767	495919	977960	937330	584321	1224884
18C-9800-1000-OP	60	103	1182732	291935	313697	713151	419048	765737	851051	521212	1048185	988961	622005	1330633	-	-	-
18C-9800-1100-OP	51	90	1178855	290324	311511	942729	588268	1235947	1109595	709876	1577716	-	-	-	-	-	-
18C-9800-1200-OP	44	75	1174607	288545	309122	-	-	-	-	-	-	-	-	-	-	-	-
18C-9800-1300-OP	39	64	1169997	286616	306520	-	-	-	-	-	-	-	-	-	-	-	-
18C-10500-935-OP	78	133	1385184	344893	372665	-	-	-	629368	337707	485555	749922	428783	732479	870486	518637	979403
18C-10500-1000-OP	69	117	1382857	343929	371355	646307	350637	520256	784207	454448	802704	922117	556922	1085152	1060018	658281	1367608
18C-10500-1100-OP	58	97	1378980	342327	369169	875885	522646	990474	1042751	645652	1332235	-	-	-	-	-	-
18C-10500-1200-OP	50	81	1374741	340566	366779	1127331	707398	1505465	-	-	-	-	-	-	-	-	-
18C-10500-1300-OP	44	70	1370130	338645	364178	-	-	-	-	-	-	-	-	-	-	-	-
18C-11000-935-OP	86	144	1553511	413897	467537	-	-	-	-	-	-	649112	352761	526009	769676	443589	772932
18C-11000-1000-OP	76	125	1551184	412959	466227	-	-	-	683406	378762	596233	821307	482086	878681	959207	584348	1161129
18C-11000-1100-OP	64	106	1547316	411383	464050	775074	447633	783995	941941	571604	1125764	1108799	693884	1467525	-	-	-
18C-11000-1200-OP	55	87	1543068	409658	461651	1026520	633766	1298994	-	-	-	-	-	-	-	-	-
18C-11000-1300-OP	48	74	1538457	407781	459050	-	-	-	-	-	-	-	-	-	-	-	-
32C-9900-1100-OP	53	116	1438240	320202	324273	1143393	696575	1384220	1339279	839962	1785417	1535165	982669	2186623	1731042	1125074	2587820
32C-9900-1200-OP	46	97	1433258	317963	321467	1438568	912400	1988781	1671685	1081983	2466238	-	-	-	-	-	-
32C-9900-1300-OP	40	83	1427841	315511	318414	1759407	1145650	2645911	-	-	-	-	-	-	-	-	-
32C-12000-1100-OP	63	125	1758327	417924	438703	1015139	580445	991598	1211016	726311	1392795	1406902	870619	1794001	1602788	1013608	2195198
32C-12000-1200-OP	54	113	1753344	415808	435889	1310304	799783	1596159	1543422	970296	2073626	1776540	1140066	2551083	-	-	-
32C-12000-1300-OP	47	90	1747928	413507	432845	1631144	1034300	2253290	1904732	1233318	2813645	-	-	-	-	-	-
32C-15000-1100-OP	71	133	2048952	513583	557320	884522	466094	635111	1080408	614606	1036308	1276294	760666	1437514	1472171	905355	1838711
32C-15000-1200-OP	61	109	2043969	511521	554514	1179696	688831	1239673	1412814	861751	1717130	1645932	1032335	2194596	1879050	1202175	2672054
32C-15000-1300-OP	54	96	2038553	509273	551461	1500535	926126	1896803	1774124	1125853	2457158	-	-	-	-	-	-

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
50C-15400-1100-OP	70	151	2217606	501742	512211	1089072	573153	778065	1306720	738453	1223849	1524359	901036	1669623	1742007	1062266	2115407
50C-15400-1200-OP	60	128	2212066	499290	509096	1417035	821059	1449798	1676057	1013529	1980311	1935070	1203750	2510825	2194092	1392716	3041338
50C-15400-1300-OP	52	110	2206048	496635	505707	1773522	1085514	2179950	2077511	1307694	2802565	2381500	1529041	3425180	-	-	-
50C-15400-1450-OP	44	87	2196128	492237	500105	2361729	1514660	3384691	-	-	-	-	-	-	-	-	-
50C-15600-1100-OP	73	154	2320426	546293	570170	1027494	525451	651944	1245142	692035	1097727	1462781	855149	1543502	1680429	1016768	1989276
50C-15600-1200-OP	62	129	2314895	543912	567046	1355457	774977	1323677	1614479	967871	1854190	1873492	1158731	2384703	2132514	1347828	2915217
50C-15600-1300-OP	54	109	2308877	541337	563657	1711944	1040070	2053828	2015933	1262753	2676444	2319921	1484251	3299059	2623910	1705253	3921674
50C-15600-1450-OP	45	88	2298947	537071	558063	2300150	1469870	3258570	-	-	-	-	-	-	-	-	-
50C-17300-1100-OP	80	161	2572722	626164	666874	-	-	-	1137783	594278	788261	1355431	759976	1234035	1573079	922851	1679810
50C-17300-1200-OP	68	135	2567181	623845	663759	1248107	678777	1014210	1507120	873707	1544723	1766141	1066186	2075237	2025154	1256638	2605750
50C-17300-1300-OP	59	115	2561172	621314	660360	1604594	946331	1744362	1908573	1171262	2366977	2212562	1393397	2989592	2516551	1614744	3612207
50C-17300-1450-OP	49	93	2551243	617128	654767	2192791	1378972	2949103	2570978	1654339	3723691	-	-	-	-	-	-
50C-18600-1100-OP	99	145	3277668	746798	765233	-	-	-	-	-	-	-	-	-	1438320	716593	815120
50C-18600-1200-OP	85	151	3272137	744382	762109	-	-	-	-	-	-	1631382	866778	1210547	1890404	1063319	1741061
50C-18600-1300-OP	73	129	3266119	741745	758719	-	-	-	1773823	975305	1502288	2077812	1203777	2124903	2381801	1429779	2747518
50C-18600-1450-OP	60	104	3256189	737391	753126	2058041	1189042	2084414	2436228	1470135	2859001	2814415	1748149	3633580	-	-	-
65C-18400-1600-OP	51	116	3075826	724850	756976	2529728	1570202	3258251	2967184	1889218	4154234	3404630	2207402	5050208	-	-	-
65C-18400-1700-OP	46	102	3068277	721620	752719	2976759	1896192	4173855	3470607	2255272	5185330	-	-	-	-	-	-
65C-18400-1800-OP	42	87	3060277	718186	748214	3450889	2240962	5144956	-	-	-	-	-	-	-	-	-
65C-19400-1600-OP	59	116	3668599	877097	923905	2335435	1376113	2531153	2772891	1699961	3427127	3210346	2019659	4323110	3647802	2338250	5219084
65C-19400-1700-OP	53	102	3661059	873893	919657	2782475	1706979	3446756	3276323	2067794	4458232	3770162	2427263	5469707	-	-	-
65C-19400-1800-OP	48	87	3653059	870486	915143	3256605	2053412	4417849	3810252	2456424	5551817	-	-	-	-	-	-
80C-18700-1800-OP	42	87	3727558	628014	628014	4519288	2881480	6355999	-	-	-	-	-	-	-	-	-
80C-19700-1800-OP	49	87	4560290	845246	845246	4262965	2623131	5334568	-	-	-	-	-	-	-	-	-

- NOTES:**
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 - MOP: Maximum Operating Pressure
 - BTC: Break to Close
 - RTC: Run to Close
 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

Model						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
50C-15400-1100-OP	70	151	2217606	501742	512211	1959656	1221689	2561181	2612600	1697049	3898514	-	-	-
50C-15400-1200-OP	60	128	2212066	499290	509096	2453114	1581141	3571851	-	-	-	-	-	-
50C-15400-1300-OP	52	110	2206048	496635	505707	-	-	-	-	-	-	-	-	-
50C-15400-1450-OP	44	87	2196128	492237	500105	-	-	-	-	-	-	-	-	-
50C-15600-1100-OP	73	154	2320426	546293	570170	1898077	1176740	2435060	2551021	1652366	3772392	-	-	-
50C-15600-1200-OP	62	129	2314895	543912	567046	2391536	1536342	3445730	-	-	-	-	-	-
50C-15600-1300-OP	54	109	2308877	541337	563657	-	-	-	-	-	-	-	-	-
50C-15600-1450-OP	45	88	2298947	537071	558063	-	-	-	-	-	-	-	-	-
50C-17300-1100-OP	80	161	2572722	626164	666874	1790727	1084408	2125593	2443671	1561724	3462925	-	-	-
50C-17300-1200-OP	68	135	2567181	623845	663759	2284176	1445648	3136263	-	-	-	-	-	-
50C-17300-1300-OP	59	115	2561172	621314	660360	-	-	-	-	-	-	-	-	-
50C-17300-1450-OP	49	93	2551243	617128	654767	-	-	-	-	-	-	-	-	-
50C-18600-1100-OP	99	145	3277668	746798	765233	1655968	885575	1260904	2308912	1375733	2598236	2831265	1760451	3668104
50C-18600-1200-OP	85	151	3272137	744382	762109	2149426	1257134	2271574	2926483	1829923	3863114	-	-	-
50C-18600-1300-OP	73	129	3266119	741745	758719	2685780	1653994	3370133	-	-	-	-	-	-
50C-18600-1450-OP	60	104	3256189	737391	753126	-	-	-	-	-	-	-	-	-
65C-18400-1600-OP	51	116	3075826	724850	756976	-	-	-	-	-	-	-	-	-
65C-18400-1700-OP	46	102	3068277	721620	752719	-	-	-	-	-	-	-	-	-
65C-18400-1800-OP	42	87	3060277	718186	748214	-	-	-	-	-	-	-	-	-
65C-19400-1600-OP	59	116	3668599	877097	923905	-	-	-	-	-	-	-	-	-
65C-19400-1700-OP	53	102	3661059	873893	919657	-	-	-	-	-	-	-	-	-
65C-19400-1800-OP	48	87	3653059	870486	915143	-	-	-	-	-	-	-	-	-
80C-18700-1800-OP	42	87	3727558	628014	628014	-	-	-	-	-	-	-	-	-
80C-19700-1800-OP	49	87	4560290	845246	845246	-	-	-	-	-	-	-	-	-

NOTES:

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- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Spring to Close

Models 0.3S-008A-100-CL to 1.5S-1200-585-CL

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.3S-008A-100-CL	63	174	2177	956	1151	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-008A-135-CL	39	174	2106	912	1071	-	-	-	2575	1283	1726	3398	1805	2664	4213	2336	3602
0.3S-008B-100-CL	89	174	3372	1266	1266	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-008B-135-CL	53	174	3301	1186	1186	-	-	-	-	-	-	-	-	-	4098	1876	2274
0.3S-008C-100-CL	105	174	4053	1566	1602	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-008C-135-CL	61	174	3983	1513	1522	-	-	-	-	-	-	-	-	-	3770	1487	1487
0.3S-008C-175-CL	40	174	3894	1425	1425	-	-	-	4832	2221	2699	6213	3124	4275	7584	4009	5850
0.3S-0100-135-CL	93	174	6469	2717	3098	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-0100-175-CL	59	174	6381	2664	3000	-	-	-	-	-	-	-	-	-	6036	2620	2947
0.3S-0100-235-CL	36	122	6239	2567	2850	-	-	-	8673	4363	5965	11160	5965	8806	13638	7549	11638
0.3S-0150-175-CL	71	174	8027	3708	4770	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-0150-235-CL	43	129	7885	3629	4629	-	-	-	-	-	-	9408	4832	6806	11886	6425	9638
0.9S-0200-235-CL	48	174	10549	4814	6089	-	-	-	-	-	-	10142	4850	6213	13010	6717	9496
0.9S-0200-280-CL	37	174	10399	4717	5921	-	-	-	13142	6797	9647	17213	9416	14302	21284	12009	18957
0.9S-0200-335-CL	28	139	10284	4646	5797	15983	8629	12894	21815	12346	19567	27647	16054	26231	33471	19753	32895
0.9S-0250-235-CL	56	174	12620	6115	8319	-	-	-	-	-	-	-	-	-	10815	5292	6983
0.9S-0250-280-CL	42	174	12461	6018	8151	-	-	-	10947	5381	7133	15018	8009	11788	19089	10611	16443
0.9S-0250-335-CL	32	144	12346	5938	8027	13788	7222	10390	19620	10947	17054	25453	14664	23718	31276	18364	30382
0.9S-0350-280-CL	61	174	20098	9284	11903	-	-	-	-	-	-	-	-	-	15381	6735	7646
0.9S-0350-335-CL	45	157	19983	9213	11779	-	-	-	-	-	-	21744	10930	14921	27568	14682	21585
0.9S-0350-385-CL	36	119	19842	9124	11638	-	-	-	25134	13116	18797	32834	18045	27603	40524	22957	36400
0.9S-0350-435-CL	30	93	19736	9054	11514	25842	13576	19612	35674	19868	30851	45498	26125	42091	55330	32373	53330
0.9S-0350-485-CL	26	74	19665	9009	11443	35338	19647	30471	47551	27426	44436	59773	35188	58410	71986	42949	72384
0.9S-0400-280-CL	70	174	23683	11523	15771	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0400-335-CL	52	162	23568	11452	15638	-	-	-	-	-	-	17939	8443	10567	23762	12231	17231
0.9S-0400-385-CL	41	123	23426	11363	15496	-	-	-	21329	10655	14443	29028	15611	23249	36719	20532	32055
0.9S-0400-435-CL	34	97	23320	11293	15372	-	-	-	31869	17435	26497	41692	23700	37736	51525	29957	48976
0.9S-0400-485-CL	29	78	23249	11257	15302	31533	17222	26116	43746	25010	40091	55967	32772	54056	68180	40533	68030
0.9S-0420-335-CL	56	171	25656	12806	18081	-	-	-	-	-	-	-	-	-	21364	10744	14673
0.9S-0420-385-CL	44	128	25515	12726	17930	-	-	-	-	-	-	26621	14133	20691	34311	19054	29488
0.9S-0420-435-CL	36	100	25408	12656	17815	-	-	-	29462	15948	23939	39294	22222	35179	49118	28479	46418
0.9S-0420-485-CL	30	81	25338	12611	17744	29125	15735	23559	41338	23532	37524	53560	31302	51498	65773	39055	65472

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9S-0700-335-CL	69	174	33586	15948	21169	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0700-385-CL	54	132	33453	15859	21019	-	-	-	-	-	-	-	-	-	31276	15390	20435
0.9S-0700-435-CL	44	103	33338	15788	20904	-	-	-	-	-	-	36250	18612	26125	46073	24930	37365
0.9S-0700-485-CL	37	83	33276	15753	20824	-	-	-	38303	19939	28470	50516	27762	42445	62738	35559	56419
0.9S-0720-385-CL	62	141	39250	19470	27267	-	-	-	-	-	-	-	-	-	25116	11328	13390
0.9S-0720-435-CL	50	110	39144	19399	27152	-	-	-	-	-	-	30090	14611	19072	39914	20975	30320
0.9S-0720-485-CL	42	88	39073	19364	27072	-	-	-	32143	15948	21426	44356	23824	35400	56578	31630	49365
1.5S-0800-385-CL	52	149	39064	19390	24134	-	-	-	-	-	-	36975	13133	13487	47542	19780	23683
1.5S-0800-435-CL	43	117	38940	19302	23975	-	-	-	40878	15656	17258	54366	23913	30267	67844	31957	43268
1.5S-0800-485-CL	36	94	38860	19249	23877	-	-	-	57180	25594	32984	73942	35568	49153	90695	45471	65322
1.5S-0800-535-CL	31	77	38843	19240	23851	54932	24249	30816	75322	36391	50489	95722	48427	70163	116112	60419	89845
1.5S-1100-385-CL	72	158	54950	26762	32241	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1100-435-CL	58	123	54826	26674	32081	-	-	-	-	-	-	-	-	-	59853	22833	25072
1.5S-1100-485-CL	48	99	54746	26621	31984	-	-	-	-	-	-	65941	26630	30957	82703	36798	47126
1.5S-1100-535-CL	41	81	54728	26603	31957	-	-	-	67331	27488	32294	87730	39807	51967	108120	51932	71650
1.5S-1100-585-CL	36	65	54472	26426	31630	-	-	-	86996	39374	51259	111377	53861	74791	-	-	-
1.5S-1200-385-CL	83	168	63862	33011	43976	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1200-435-CL	66	132	63738	32922	43816	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1200-485-CL	55	106	63658	32869	43719	-	-	-	-	-	-	-	-	-	71127	29940	36258
1.5S-1200-535-CL	46	87	63640	32860	43692	-	-	-	-	-	-	76154	32975	41108	96545	45179	60782
1.5S-1200-585-CL	40	73	63384	32683	43374	-	-	-	75420	32533	40400	99801	47117	63924	124183	61534	87456

NOTES:

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- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.3S-008A-100-CL	63	174	2177	956	1151	2151	1000	1239	2602	1292	1752	3044	1584	2266	3496	1876	2779
0.3S-008A-135-CL	39	174	2106	912	1071	5036	2850	4540	5850	3372	5469	6673	3894	6407	7487	4416	7346
0.3S-008B-100-CL	89	174	3372	1266	1266	-	-	-	-	-	-	2929	938	938	3381	1389	1451
0.3S-008B-135-CL	53	174	3301	1186	1186	4921	2416	3213	5735	2947	4151	6558	3478	5080	7372	4000	6018
0.3S-008C-100-CL	105	174	4053	1566	1602	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-008C-135-CL	61	174	3983	1513	1522	4593	2062	2425	5407	2602	3354	6230	3133	4292	7045	3664	5230
0.3S-008C-175-CL	40	174	3894	1425	1425	8956	4894	7416	10337	5770	8992	11709	6646	10567	13089	7523	12142
0.3S-0100-135-CL	93	174	6469	2717	3098	-	-	-	-	-	-	4673	1389	1389	5496	2248	2328
0.3S-0100-175-CL	59	174	6381	2664	3000	7407	3540	4522	8788	4434	6089	10160	5319	7664	11540	6204	9239
0.3S-0100-235-CL	36	122	6239	2567	2850	16116	9133	14479	18594	10709	17311	21081	12284	20151	23559	13859	22992
0.3S-0150-175-CL	71	174	8027	3708	4770	5664	2363	2513	7036	3292	4089	8408	4195	5664	9788	5080	7239
0.3S-0150-235-CL	43	129	7885	3629	4629	14364	8018	12479	16850	9593	15311	19328	11169	18151	21806	12744	20983
0.9S-0200-235-CL	48	174	10549	4814	6089	15877	8558	12771	18744	10390	16054	21612	12222	19337	24479	14045	22612
0.9S-0200-280-CL	37	174	10399	4717	5921	25355	14603	23612	29426	17187	28276	33497	19780	32931	37577	22364	37586
0.9S-0200-335-CL	28	139	10284	4646	5797	39303	23461	39560	45126	27161	46232	50958	30860	52896	56790	34559	59561
0.9S-0250-235-CL	56	174	12620	6115	8319	13682	7151	10266	16550	8992	13541	19417	10824	16824	22284	12647	20107
0.9S-0250-280-CL	42	174	12461	6018	8151	23160	13204	21107	27231	15797	25762	31302	18381	30417	35382	20966	35073
0.9S-0250-335-CL	32	144	12346	5938	8027	37108	22063	37055	42931	25762	43719	48764	29462	50383	54596	33161	57047
0.9S-0350-280-CL	61	174	20098	9284	11903	19461	9443	12302	23532	12080	16965	27603	14700	21621	31674	17311	26276
0.9S-0350-335-CL	45	157	19983	9213	11779	33400	18417	28249	39232	22134	34922	45055	25842	41586	50888	29550	48250
0.9S-0350-385-CL	36	119	19842	9124	11638	48224	27860	45206	55923	32745	54012	63623	37639	62817	71322	42524	71623
0.9S-0350-435-CL	30	93	19736	9054	11514	65154	38613	64570	74986	44852	75818	-	-	-	-	-	-
0.9S-0350-485-CL	26	74	19665	9009	11443	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0400-280-CL	70	174	23683	11523	15771	15656	6921	7956	19727	9611	12611	23798	12257	17266	27869	14877	21921
0.9S-0400-335-CL	52	162	23568	11452	15638	29594	15983	23904	35427	19709	30568	41250	23417	37232	47082	27125	43896
0.9S-0400-385-CL	41	123	23426	11363	15496	44418	25435	40860	52118	30329	49657	59817	35223	58463	67517	40108	67269
0.9S-0400-435-CL	34	97	23320	11293	15372	61348	36197	60224	71181	42436	71464	-	-	-	-	-	-
0.9S-0400-485-CL	29	78	23249	11257	15302	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0420-335-CL	56	171	25656	12806	18081	27187	14496	21337	33019	18222	28010	38843	21939	34674	44675	25656	41338
0.9S-0420-385-CL	44	128	25515	12726	17930	42011	23957	38294	49710	28860	47100	57410	33745	55905	65109	38630	64711
0.9S-0420-435-CL	36	100	25408	12656	17815	58950	34719	57658	68773	40958	68906	-	-	-	-	-	-
0.9S-0420-485-CL	30	81	25338	12611	17744	77995	46817	79446	-	-	-	-	-	-	-	-	-

Model						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9S-0700-33S-CL	69	174	33586	15948	21169	24152	10682	12284	29975	14541	18948	35807	18328	25612	41630	22081	32285
0.9S-0700-38S-CL	54	132	33453	15859	21019	38975	20364	29240	46675	25311	38046	54374	30232	46852	62074	35135	55658
0.9S-0700-43S-CL	44	103	33338	15788	20904	55905	31205	48604	65729	37471	59844	75561	43719	71083	-	-	-
0.9S-0700-48S-CL	37	83	33276	15753	20824	74951	43330	70393	-	-	-	-	-	-	-	-	-
0.9S-0720-38S-CL	62	141	39250	19470	27267	32816	16390	22196	40506	21355	30993	48206	26293	39798	55905	31205	48604
0.9S-0720-43S-CL	50	110	39144	19399	27152	49746	27267	41560	59569	33542	52799	69402	39798	64039	79225	46047	75278
0.9S-0720-48S-CL	42	88	39073	19364	27072	68791	39409	63339	-	-	-	-	-	-	-	-	-
1.5S-0800-38S-CL	52	149	39064	19390	24134	58100	26152	33869	68658	32444	44064	79225	38692	54251	89783	44931	64437
1.5S-0800-43S-CL	43	117	38940	19302	23975	81323	39940	56277	94810	47887	69287	108289	55817	82296	121776	63738	95306
1.5S-0800-48S-CL	36	94	38860	19249	23877	107457	55330	81491	124219	65180	97660	-	-	-	-	-	-
1.5S-0800-53S-CL	31	77	38843	19240	23851	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1100-38S-CL	72	158	54950	26762	32241	50109	15673	15673	60667	23346	25860	71225	29869	36055	81792	36250	46241
1.5S-1100-43S-CL	58	123	54826	26674	32081	73331	31152	38082	86819	39267	51091	100297	47294	64101	113776	55286	77110
1.5S-1100-48S-CL	48	99	54746	26621	31984	99465	46799	63295	116227	56729	79464	-	-	-	-	-	-
1.5S-1100-53S-CL	41	81	54728	26603	31957	128511	63986	91323	-	-	-	-	-	-	-	-	-
1.5S-1100-58S-CL	36	65	54472	26426	31630	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1200-38S-CL	83	168	63862	33011	43976	-	-	-	49091	15001	15001	59658	22851	25187	70216	29382	35382
1.5S-1200-43S-CL	66	132	63738	32922	43816	61755	24169	27223	75243	32426	40232	88721	40515	53233	102209	48542	66242
1.5S-1200-48S-CL	55	106	63658	32869	43719	87889	40020	52436	104651	49985	68605	121404	59897	84774	-	-	-
1.5S-1200-53S-CL	46	87	63640	32860	43692	116935	57260	80455	-	-	-	-	-	-	-	-	-
1.5S-1200-58S-CL	40	73	63384	32683	43374	-	-	-	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	Operating supply pressure (psi)								
						120			150			174		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
0.9S-0700-33S-CL	69	174	33586	15948	21169	47463	25815	38949	64950	36966	58950	78942	45870	74951
0.9S-0700-38S-CL	54	132	33453	15859	21019	69765	40037	64463	-	-	-	-	-	-
0.9S-0700-43S-CL	44	103	33338	15788	20904	-	-	-	-	-	-	-	-	-
0.9S-0700-48S-CL	37	83	33276	15753	20824	-	-	-	-	-	-	-	-	-
0.9S-0720-38S-CL	62	141	39250	19470	27267	63605	36117	57410	-	-	-	-	-	-
0.9S-0720-43S-CL	50	110	39144	19399	27152	-	-	-	-	-	-	-	-	-
0.9S-0720-48S-CL	42	88	39073	19364	27072	-	-	-	-	-	-	-	-	-
1.5S-0800-38S-CL	52	149	39064	19390	24134	100341	51144	74632	132024	69765	105200	-	-	-
1.5S-0800-43S-CL	43	117	38940	19302	23975	-	-	-	-	-	-	-	-	-
1.5S-0800-48S-CL	36	94	38860	19249	23877	-	-	-	-	-	-	-	-	-
1.5S-0800-53S-CL	31	77	38843	19240	23851	-	-	-	-	-	-	-	-	-
1.5S-1100-38S-CL	72	158	54950	26762	32241	92350	42569	56428	124033	61339	87004	-	-	-
1.5S-1100-43S-CL	58	123	54826	26674	32081	127263	63242	90120	-	-	-	-	-	-
1.5S-1100-48S-CL	48	99	54746	26621	31984	-	-	-	-	-	-	-	-	-
1.5S-1100-53S-CL	41	81	54728	26603	31957	-	-	-	-	-	-	-	-	-
1.5S-1100-58S-CL	36	65	54472	26426	31630	-	-	-	-	-	-	-	-	-
1.5S-1200-38S-CL	83	168	63862	33011	43976	80774	35763	45569	112457	54613	76137	-	-	-
1.5S-1200-43S-CL	66	132	63738	32922	43816	115687	56525	79252	-	-	-	-	-	-
1.5S-1200-48S-CL	55	106	63658	32869	43719	-	-	-	-	-	-	-	-	-
1.5S-1200-53S-CL	46	87	63640	32860	43692	-	-	-	-	-	-	-	-	-
1.5S-1200-58S-CL	40	73	63384	32683	43374	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Spring to Close

Models 3S-2000-385-CL to 14S-8300-985-CL

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
3S-2000-385-CL	75	174	95978	50162	69561	-	-	-	-	-	-	-	-	-	-	-	-
3S-2000-435-CL	61	154	95766	50020	69304	-	-	-	-	-	-	-	-	-	81119	32391	36595
3S-2000-485-CL	50	123	95633	49932	69136	-	-	-	-	-	-	91075	38613	46480	118448	55321	73659
3S-2000-535-CL	43	102	95598	49914	69101	-	-	-	93341	40020	48728	126652	60277	81801	159973	80270	114873
3S-2000-585-CL	37	84	95173	49631	68570	-	-	-	125458	59552	80615	165291	83456	120148	205125	107227	159689
6S-2500-485-CL	60	174	137467	72924	103731	-	-	-	-	-	-	-	-	-	115510	47887	56162
6S-2500-535-CL	50	164	137432	72906	103687	-	-	-	-	-	-	125086	53835	65702	163964	77544	104439
6S-2500-585-CL	44	136	136936	72570	103067	-	-	-	-	-	-	170177	81296	110634	216657	109236	156955
6S-2500-635-CL	38	116	136387	72207	102395	-	-	-	164513	77880	104996	219285	110811	159574	274058	143574	214152
6S-2500-685-CL	34	100	135803	71818	101660	-	-	-	208692	104465	149016	272430	142600	212524	336167	180611	276032
6S-2500-735-CL	30	87	135166	71393	100881	182832	88925	123245	256216	132900	196364	329592	176690	269491	402976	220400	342610
6S-3800-535-CL	65	174	186301	102704	154707	-	-	-	-	-	-	-	-	-	-	-	-
6S-3800-585-CL	56	148	185797	102377	154087	-	-	-	-	-	-	-	-	-	166345	75880	98447
6S-3800-635-CL	49	125	185257	102014	153415	-	-	-	-	-	-	168973	77473	101067	223746	110545	155645
6S-3800-685-CL	43	107	184664	101625	152689	-	-	-	158371	71012	90500	222108	109563	154017	285846	147742	217524
6S-3800-735-CL	38	94	184036	101209	151901	-	-	-	205895	99810	137856	279279	143813	210984	352655	187629	284103
14S-5100-635-CL	52	174	217675	122590	187257	-	-	-	-	-	-	170628	71597	86465	231392	108059	145087
14S-5100-685-CL	46	174	217037	122165	186443	-	-	-	-	-	-	229587	106979	143343	300289	148839	211559
14S-5100-735-CL	41	154	216356	121705	185576	-	-	-	211595	96261	125989	293006	144538	204524	374408	192488	283067
14S-5100-785-CL	37	135	215630	121218	184646	-	-	-	268031	129785	180434	360885	184540	270022	453748	239092	359611
14S-5100-835-CL	34	119	214851	120696	183655	-	-	-	328176	165274	238463	433243	227047	339831	538310	288678	441199
14S-5100-885-CL	31	106	214028	120139	182602	274005	133325	186195	392028	202842	300068	510061	272111	413941	628085	341309	527814
14S-5100-935-CL	28	96	213161	119555	181487	327866	165088	238162	459598	242525	365266	591339	319786	492361	723080	396949	619465
14S-5400-635-CL	65	174	282333	154309	224949	-	-	-	-	-	-	-	-	-	-	-	-
14S-5400-685-CL	57	174	281704	153884	224144	-	-	-	-	-	-	-	-	-	263119	111926	137042
14S-5400-735-CL	51	158	281023	153424	223277	-	-	-	-	-	-	255827	107501	130007	337238	156388	208550
14S-5400-785-CL	46	139	280288	152937	222347	-	-	-	-	-	-	323715	148326	195505	416570	203426	285094
14S-5400-835-CL	41	123	279518	152415	221356	-	-	-	290997	128750	163937	396064	191293	265305	501131	253287	366673
14S-5400-885-CL	38	109	278695	151857	220303	-	-	-	354858	166867	225551	472882	236658	339424	590906	306086	453288
14S-5400-935-CL	35	97	277819	151273	219188	-	-	-	422428	206878	290740	554160	284501	417844	685902	361885	544948
14S-8300-735-CL	63	167	362416	199107	292643	-	-	-	-	-	-	-	-	-	268828	102625	112758
14S-8300-785-CL	56	146	361691	198621	291714	-	-	-	-	-	-	-	-	-	348168	151326	189302
14S-8300-835-CL	51	129	360912	198098	290723	-	-	-	-	-	-	327654	138918	169513	432721	201913	270881
14S-8300-885-CL	46	115	360089	197541	289669	-	-	-	-	-	-	404472	185089	243632	522504	255119	357505
14S-8300-935-CL	42	103	359222	196948	288554	-	-	-	354018	154857	194948	485759	233383	322052	617500	311148	449155

See notes on the next page.

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
3S-2000-385-CL	75	174	95978	50162	69561	-	-	-	82455	33232	37922	99704	43931	55047	116953	54419	72172
3S-2000-435-CL	61	154	95766	50020	69304	103138	46029	58463	125166	59384	80323	147193	72614	102182	169221	85801	124050
3S-2000-485-CL	50	123	95633	49932	69136	145830	71800	100837	173212	88190	128006	200585	104519	155185	227967	120829	182363
3S-2000-535-CL	43	102	95598	49914	69101	193284	100164	147937	226604	120015	181009	259916	139848	214082	-	-	-
3S-2000-585-CL	37	84	95173	49631	68570	244959	130945	199231	-	-	-	-	-	-	-	-	-
6S-2500-485-CL	60	174	137467	72924	103731	147459	67534	87996	179416	86872	119838	211365	106067	151680	243313	125192	183514
6S-2500-535-CL	50	164	137432	72906	103687	202842	100961	143184	241720	124245	181929	280598	147476	220666	319485	170663	259411
6S-2500-585-CL	44	136	136936	72570	103067	263146	137051	203276	309635	164787	249597	356115	192496	295917	402604	220179	342238
6S-2500-635-CL	38	116	136387	72207	102395	328831	176239	268730	383603	208860	323308	438376	241481	377886	493149	274067	432464
6S-2500-685-CL	34	100	135803	71818	101660	399905	218568	339548	463643	256517	403056	527380	294422	466572	-	-	-
6S-2500-735-CL	30	87	135166	71393	100881	476360	264075	415729	-	-	-	-	-	-	-	-	-
6S-3800-535-CL	65	174	186301	102704	154707	152530	67437	84677	191408	91067	123422	230286	114475	162159	269164	137768	200904
6S-3800-585-CL	56	148	185797	102377	154087	212825	103979	144768	259314	131874	191089	305803	159672	237410	352283	187408	283731
6S-3800-635-CL	49	125	185257	102014	153415	278518	143361	210223	333282	176071	264801	388055	208745	319379	442827	241357	373957
6S-3800-685-CL	43	107	184664	101625	152689	349584	185797	281041	413322	223781	344548	477059	261739	408065	-	-	-
6S-3800-735-CL	38	94	184036	101209	151901	426039	231357	357221	499423	275049	430349	-	-	-	-	-	-
14S-5100-635-CL	52	174	217675	122590	187257	292156	144034	203709	352920	179841	262332	413684	215559	320954	474449	251234	379585
14S-5100-685-CL	46	174	217037	122165	186443	371001	190487	279784	441712	232020	348000	512415	273500	416216	583127	314963	484440
14S-5100-735-CL	41	154	216356	121705	185576	455819	240304	361611	537222	288050	440155	618633	335769	518699	700044	383453	597233
14S-5100-785-CL	37	135	215630	121218	184646	546611	293546	449208	639466	347973	538797	732329	402365	628385	825192	456749	717983
14S-5100-835-CL	34	119	214851	120696	183655	643368	350265	542567	748436	411799	643926	853503	473333	745294	958570	534850	846662
14S-5100-885-CL	31	106	214028	120139	182602	746108	410436	641678	864132	479564	755551	982155	548647	869424	-	-	-
14S-5100-935-CL	28	96	213161	119555	181487	854822	474103	746568	986554	551222	873663	-	-	-	-	-	-
14S-5400-635-CL	65	174	282333	154309	224949	254977	106988	129192	315741	143574	187815	376506	179708	246437	437270	215639	305060
14S-5400-685-CL	57	174	281704	153884	224144	333822	154362	205258	404534	196311	273483	475245	238047	341699	545948	279678	409914
14S-5400-735-CL	51	158	281023	153424	223277	418640	204647	287094	500052	252650	365638	581454	300537	444173	662865	348363	522716
14S-5400-785-CL	46	139	280288	152937	222347	509433	258172	374682	602296	312777	464280	695150	367310	553868	788013	421764	643457
14S-5400-835-CL	41	123	279518	152415	221356	606198	315069	468041	711266	376753	569409	816324	438367	670777	921391	499963	772145
14S-5400-885-CL	38	109	278695	151857	220303	708929	375390	567161	826962	444606	681034	944985	513778	794907	-	-	-
14S-5400-935-CL	35	97	277819	151273	219188	817643	439146	672042	949384	516353	799146	-	-	-	-	-	-
14S-8300-735-CL	63	167	362416	199107	292643	350239	152574	191302	431641	201267	269845	513052	249543	348380	594455	297590	426924
14S-8300-785-CL	56	146	361691	198621	291714	441022	206851	278890	533885	261845	368487	626748	316600	458076	719602	371231	547665
14S-8300-835-CL	51	129	360912	198098	290723	537788	264146	372249	642855	326078	473617	747922	387860	574985	852990	449580	676352
14S-8300-885-CL	46	115	360089	197541	289669	640528	324707	471369	758551	394108	585242	876575	463413	699115	994598	532628	812988
14S-8300-935-CL	42	103	359222	196948	288554	749232	388630	576250	880973	465988	703354	1012714	543248	830457	-	-	-

- NOTES:**
- Hold pressure: the minimum pressure to operate the actuator
 - MOP: Maximum Operating Pressure
 - BTC: Break to Close
 - RTC: Run to Close
 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
3S-2000-385-CL	75	174	95978	50162	69561	134210	64826	89297	185965	95801	140680	227374	120475	181779
3S-2000-435-CL	61	154	95766	50020	69304	191240	98952	145910	257314	138299	211497	-	-	-
3S-2000-485-CL	50	123	95633	49932	69136	255349	137131	209541	-	-	-	-	-	-
3S-2000-535-CL	43	102	95598	49914	69101	-	-	-	-	-	-	-	-	-
3S-2000-585-CL	37	84	95173	49631	68570	-	-	-	-	-	-	-	-	-
6S-2500-485-CL	60	174	137467	72924	103731	275270	144290	215356	371125	201435	310874	447810	247092	387285
6S-2500-535-CL	50	164	137432	72906	103687	358363	193833	298148	474997	263270	414375	-	-	-
6S-2500-585-CL	44	136	136936	72570	103067	449093	247853	388559	-	-	-	-	-	-
6S-2500-635-CL	38	116	136387	72207	102395	-	-	-	-	-	-	-	-	-
6S-2500-685-CL	34	100	135803	71818	101660	-	-	-	-	-	-	-	-	-
6S-2500-735-CL	30	87	135166	71393	100881	-	-	-	-	-	-	-	-	-
6S-3800-535-CL	65	174	186301	102704	154707	308042	161008	239640	424676	230543	355867	517991	286112	448854
6S-3800-585-CL	56	148	185797	102377	154087	398772	215117	330052	-	-	-	-	-	-
6S-3800-635-CL	49	125	185257	102014	153415	497600	273969	428535	-	-	-	-	-	-
6S-3800-685-CL	43	107	184664	101625	152689	-	-	-	-	-	-	-	-	-
6S-3800-735-CL	38	94	184036	101209	151901	-	-	-	-	-	-	-	-	-
14S-5100-635-CL	52	174	217675	122590	187257	535204	286864	438208	717496	393675	614075	863326	479086	754772
14S-5100-685-CL	46	174	217037	122165	186443	653838	356390	552656	865964	480626	757312	1035662	579958	921037
14S-5100-735-CL	41	154	216356	121705	185576	781446	431128	675777	1025671	574117	911400	-	-	-
14S-5100-785-CL	37	135	215630	121218	184646	918046	511132	807571	-	-	-	-	-	-
14S-5100-835-CL	34	119	214851	120696	183655	-	-	-	-	-	-	-	-	-
14S-5100-885-CL	31	106	214028	120139	182602	-	-	-	-	-	-	-	-	-
14S-5100-935-CL	28	96	213161	119555	181487	-	-	-	-	-	-	-	-	-
14S-5400-635-CL	65	174	282333	154309	224949	498034	251464	363691	680317	358611	539558	826148	444128	680255
14S-5400-685-CL	57	174	281704	153884	224144	616659	321220	478139	828785	445677	682795	998484	545116	846520
14S-5400-735-CL	51	158	281023	153424	223277	744267	396117	601260	988492	539266	836883	-	-	-
14S-5400-785-CL	46	139	280288	152937	222347	880876	476227	733054	-	-	-	-	-	-
14S-5400-835-CL	41	123	279518	152415	221356	1026458	561497	873513	-	-	-	-	-	-
14S-5400-885-CL	38	109	278695	151857	220303	-	-	-	-	-	-	-	-	-
14S-5400-935-CL	35	97	277819	151273	219188	-	-	-	-	-	-	-	-	-
14S-8300-735-CL	63	167	362416	199107	292643	675866	345513	505468	920090	488927	741090	-	-	-
14S-8300-785-CL	56	146	361691	198621	291714	812465	425782	637262	-	-	-	-	-	-
14S-8300-835-CL	51	129	360912	198098	290723	958057	511194	777720	-	-	-	-	-	-
14S-8300-885-CL	46	115	360089	197541	289669	-	-	-	-	-	-	-	-	-
14S-8300-935-CL	42	103	359222	196948	288554	-	-	-	-	-	-	-	-	-

- NOTES:**
- Hold pressure: the minimum pressure to operate the actuator
 - MOP: Maximum Operating Pressure
 - BTC: Break to Close
 - RTC: Run to Close
 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Spring to Close

Models 18S-9600-835-CL to 80S-19700-1800-CL

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
18S-9600-835-CL	67	165	586790	301325	397197	-	-	-	-	-	-	-	-	-	-	-	-
18S-9600-935-CL	55	132	584835	299988	394710	-	-	-	-	-	-	-	-	-	647829	269394	322299
18S-9600-1000-CL	49	115	583454	299033	392940	-	-	-	-	-	-	625527	255738	300776	798774	360514	468023
18S-9600-1100-CL	42	96	581135	297449	389975	-	-	-	631554	259438	306591	841184	385842	508964	1050814	510318	711336
18S-9600-1200-CL	37	80	578595	295705	386745	-	-	-	827900	377904	496140	1077372	526017	736984	1326845	673158	977828
18S-9600-1300-CL	32	65	575843	293811	383223	748533	330379	419517	1041318	504698	702177	1334102	677432	984828	-	-	-
18S-9800-835-CL	83	173	742692	378028	491095	-	-	-	-	-	-	-	-	-	-	-	-
18S-9800-935-CL	68	138	740736	376691	488609	-	-	-	-	-	-	-	-	-	-	-	-
18S-9800-1000-CL	60	120	739356	375736	486839	-	-	-	-	-	-	-	-	-	706177	265872	288076
18S-9800-1100-CL	51	100	737037	374143	483883	-	-	-	-	-	-	748577	292634	329016	958207	420676	531389
18S-9800-1200-CL	44	84	734497	372399	480644	-	-	-	-	-	-	984775	436650	557037	1234248	585472	797881
18S-9800-1300-CL	39	65	731745	370514	477121	-	-	-	948720	414959	522230	1241505	589773	804881	1534289	762923	1087541
18S-10500-935-CL	74	139	820342	410675	518831	-	-	-	-	-	-	-	-	-	-	-	-
18S-10500-1000-CL	66	122	818961	409720	517061	-	-	-	-	-	-	-	-	-	-	-	-
18S-10500-1100-CL	56	102	816643	408118	514105	-	-	-	-	-	-	-	-	-	928400	377329	441119
18S-10500-1200-CL	48	86	814103	406365	510866	-	-	-	-	-	-	954968	393639	466758	1204441	544337	707602
18S-10500-1300-CL	42	73	811350	404463	507344	-	-	-	918913	371479	431951	1211698	548673	714602	1504482	722797	997262
18S-11000-935-CL	82	148	920949	479661	647254	-	-	-	-	-	-	-	-	-	-	-	-
18S-11000-1000-CL	73	129	919559	478714	645484	-	-	-	-	-	-	-	-	-	-	-	-
18S-11000-1100-CL	62	107	917241	477130	642528	-	-	-	-	-	-	-	-	-	801757	297971	318857
18S-11000-1200-CL	53	90	914709	475395	639289	-	-	-	-	-	-	-	-	-	1077797	468245	585339
18S-11000-1300-CL	46	77	911948	473510	635775	-	-	-	-	-	-	1085054	472617	592339	1377839	647670	875000
32S-9900-1100-CL	51	138	889186	418003	486511	-	-	-	-	-	-	944286	357319	383285	1187829	510070	623766
32S-9900-1200-CL	45	115	886177	415906	482750	-	-	-	-	-	-	1218689	529009	654236	1508518	704858	940428
32S-9900-1300-CL	39	99	882903	413631	478661	-	-	-	1176793	503291	612871	1516943	709938	948747	1857102	914010	1284631
32S-12000-1100-CL	61	144	1085435	527000	646891	-	-	-	-	-	-	-	-	-	1029671	377745	393090
32S-12000-1200-CL	52	120	1082426	524938	643130	-	-	-	-	-	-	1060531	398082	423570	1350360	580126	709761
32S-12000-1300-CL	46	103	1079151	522690	639041	-	-	-	-	-	-	1358785	585304	718080	1698943	791916	1053955
32S-15000-1100-CL	70	151	1263479	631085	811191	-	-	-	-	-	-	-	-	-	-	-	-
32S-15000-1200-CL	60	126	1260461	629031	807430	-	-	-	-	-	-	-	-	-	1188334	457218	498751
32S-15000-1300-CL	52	107	1257187	626801	803341	-	-	-	-	-	-	1196759	462643	507070	1536918	674175	842945

Model						Operating supply pressure (psi)											
						40			50			60			70		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
50S-15400-1100-CL	68	174	1376901	650094	766410	-	-	-	-	-	-	-	-	-	-	-	-
50S-15400-1200-CL	58	148	1373538	647767	762242	-	-	-	-	-	-	-	-	-	1448028	555559	602119
50S-15400-1300-CL	51	126	1369892	645236	757702	-	-	-	-	-	-	1457365	561594	611393	1834393	797571	985642
50S-15400-1450-CL	43	102	1363865	641059	750232	-	-	-	1533794	610455	687256	2002844	900611	1152854	2471894	1184404	1618461
50S-15600-1100-CL	71	174	1439276	693097	843856	-	-	-	-	-	-	-	-	-	-	-	-
50S-15600-1200-CL	61	151	1435921	690787	839688	-	-	-	-	-	-	-	-	-	1371653	505485	526310
50S-15600-1300-CL	53	128	1432266	688273	835157	-	-	-	-	-	-	-	-	-	1758017	750524	909833
50S-15600-1450-CL	44	103	1426248	684132	827679	-	-	-	-	-	-	1926468	854016	1077045	2395518	1138437	1542644
50S-17300-1100-CL	80	174	1640967	812917	1036096	-	-	-	-	-	-	-	-	-	-	-	-
50S-17300-1200-CL	68	157	1637613	810633	1031928	-	-	-	-	-	-	-	-	-	-	-	-
50S-17300-1300-CL	59	133	1633958	808155	1027397	-	-	-	-	-	-	-	-	-	1568441	609862	670131
50S-17300-1450-CL	49	107	1627940	804067	1019918	-	-	-	-	-	-	1736892	716363	837343	2205942	1004555	1302941
50S-18600-1100-CL	99	174	2099406	1008519	1223061	-	-	-	-	-	-	-	-	-	-	-	-
50S-18600-1200-CL	85	162	2096052	1006210	1218884	-	-	-	-	-	-	-	-	-	-	-	-
50S-18600-1300-CL	73	149	2092397	1003705	1214353	-	-	-	-	-	-	-	-	-	-	-	-
50S-18600-1450-CL	61	112	2086379	999563	1206875	-	-	-	-	-	-	-	-	-	2021570	747790	781402
65S-18400-1600-CL	51	131	1962089	956340	1187458	-	-	-	-	-	-	2001507	789694	880956	2544065	1126720	1419531
65S-18400-1700-CL	46	116	1957514	953216	1181776	-	-	-	-	-	-	2416068	1048247	1292472	3028567	1420912	1900467
65S-18400-1800-CL	41	102	1952655	949897	1175740	-	-	-	2169082	895293	1047309	2855753	1316384	1728927	3542434	1730299	2410554
65S-19400-1600-CL	61	131	2423272	1205361	1546325	-	-	-	-	-	-	-	-	-	2190163	825599	878947
65S-19400-1700-CL	55	116	2418696	1202255	1540643	-	-	-	-	-	-	-	-	-	2674665	1132092	1359882
65S-19400-1800-CL	50	102	2413846	1198954	1534617	-	-	-	-	-	-	2501860	1024458	1188351	3188531	1446984	1869970
80S-18700-1800-CL	42	102	2412457	1060442	1112135	-	-	-	2990946	1173360	1301189	3834227	1697669	2138275	4677517	2209411	2975361
80S-19700-1800-CL	49	102	2942554	1325978	1447949	-	-	-	-	-	-	3503060	1374299	1524067	4346341	1899874	2361153

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
18S-9600-835-CL	67	165	586790	301325	397197	556187	212612	233835	676981	287147	350442	797774	359912	467059	918559	431907	583666
18S-9600-935-CL	55	132	584835	299988	394710	799279	360823	468510	950738	451031	614730	1102197	540682	760941	1253647	630049	907160
18S-9600-1000-CL	49	115	583454	299033	392940	972022	463643	635280	1145270	566117	802527	1318517	668246	969783	1491765	770189	1137030
18S-9600-1100-CL	42	96	581135	297449	389975	1260435	634041	913709	1470065	757436	1116091	-	-	-	-	-	-
18S-9600-1200-CL	37	80	578595	295705	386745	1576327	819882	1218663	-	-	-	-	-	-	-	-	-
18S-9600-1300-CL	32	65	575843	293811	383223	-	-	-	-	-	-	-	-	-	-	-	-
18S-9800-835-CL	83	173	742692	378028	491095	-	-	-	584383	170495	170495	705168	265226	287112	825962	340468	403719
18S-9800-935-CL	68	138	740736	376691	488609	706681	266190	288572	858140	360115	434783	1009590	451536	581003	1161049	541956	727213
18S-9800-1000-CL	60	120	739356	375736	486839	879425	373054	455333	1052672	477334	622580	1225911	580525	789836	1399158	683123	957083
18S-9800-1100-CL	51	100	737037	374143	483883	1167837	545992	733771	1377467	670317	936144	1587097	794075	1138517	-	-	-
18S-9800-1200-CL	44	84	734497	372399	480644	1483720	733063	1038725	-	-	-	-	-	-	-	-	-
18S-9800-1300-CL	39	65	731745	370514	477121	-	-	-	-	-	-	-	-	-	-	-	-
18S-10500-935-CL	74	139	820342	410675	518831	-	-	-	828333	314927	344504	979784	408799	490724	1131242	500441	636935
18S-10500-1000-CL	66	122	818961	409720	517061	849618	328362	365054	1022865	435004	532301	1196104	539346	699557	1369352	642625	866804
18S-10500-1100-CL	56	102	816643	408118	514105	1138030	504512	643492	1347660	629731	845865	1557290	754082	1048238	-	-	-
18S-10500-1200-CL	48	86	814103	406365	510866	1453913	692840	948446	-	-	-	-	-	-	-	-	-
18S-10500-1300-CL	42	73	811350	404463	507344	-	-	-	-	-	-	-	-	-	-	-	-
18S-11000-935-CL	82	148	920949	479661	647254	-	-	-	701690	222241	222241	853140	330574	368461	1004599	423933	514672
18S-11000-1000-CL	73	129	919559	478714	645484	722974	242791	242791	896213	357443	410038	1069461	463218	577294	1242708	567188	744542
18S-11000-1100-CL	62	107	917241	477130	642528	1011387	428048	521230	1221017	554231	723603	1430638	679061	925976	-	-	-
18S-11000-1200-CL	53	90	914709	475395	639289	1327270	617606	826183	1576743	765614	1067027	-	-	-	-	-	-
18S-11000-1300-CL	46	77	911948	473510	635775	-	-	-	-	-	-	-	-	-	-	-	-
32S-9900-1100-CL	51	138	889186	418003	486511	1431364	658307	864247	1674907	804899	1104728	1918450	950702	1345209	2161984	1096002	1585690
32S-9900-1200-CL	45	115	886177	415906	482750	1798355	878876	1226619	2088184	1052000	1512810	2378013	1224654	1799001	2667850	1397043	2085193
32S-9900-1300-CL	39	99	882903	413631	478661	2197251	1117029	1620506	2537401	1319455	1956381	-	-	-	-	-	-
32S-12000-1100-CL	61	144	1085435	527000	646891	1273205	532540	633572	1516748	681698	874053	1760292	828873	1114534	2003826	975084	1355015
32S-12000-1200-CL	52	120	1082426	524938	643130	1640197	756480	995952	1930026	930834	1282144	2219863	1104285	1568335	2509692	1277135	1854526
32S-12000-1300-CL	46	103	1079151	522690	639041	2039093	996174	1389839	2379243	1199343	1725715	2719393	1401955	2061590	-	-	-
32S-15000-1100-CL	70	151	1263479	631085	811191	1111179	406835	422561	1354723	562090	663042	1598266	711584	903523	1841800	859034	1144004
32S-15000-1200-CL	60	126	1260461	629031	807430	1478171	638244	784942	1768000	814501	1071133	2057837	988926	1357325	2347666	1162456	1643516
32S-15000-1300-CL	52	107	1257187	626801	803341	1877067	880274	1178829	2217217	1084435	1514704	2557367	1287613	1850579	-	-	-

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
50S-15400-1100-CL	68	174	1376901	650094	766410	1362511	499388	517229	1632453	672538	785181	1902387	839290	1053141	2172330	1003590	1321093
50S-15400-1200-CL	58	148	1373538	647767	762242	1769274	757472	921002	2090529	953933	1239894	2411775	1148226	1558786	2733030	1341333	1877678
50S-15400-1300-CL	51	126	1369892	645236	757702	2211411	1027237	1359891	2588439	1254558	1734149	2965458	1480667	2108397	3342486	1706138	2482646
50S-15400-1450-CL	43	102	1363865	641059	750232	2940944	1466011	2084060	3409994	1746415	2549658	3879035	2026199	3015257	-	-	-
50S-15600-1100-CL	71	174	1439276	693097	843856	1286135	441420	441420	1556078	624571	709372	1826021	792438	977332	2095954	957225	1245284
50S-15600-1200-CL	61	151	1435921	690787	839688	1692908	710195	845193	2014154	907506	1164085	2335409	1102170	1482977	2656655	1295516	1801860
50S-15600-1300-CL	53	128	1432266	688273	835157	2135045	980952	1284082	2512064	1208591	1658331	2889091	1434939	2032588	3266110	1660464	2406837
50S-15600-1450-CL	44	103	1426248	684132	827679	2864568	1420230	2008251	3333618	1700837	2473849	3802668	1980648	2939448	-	-	-
50S-17300-1100-CL	80	174	1640967	812917	1036096	-	-	-	1366493	469670	469670	1636436	653210	737630	1906379	821457	1005581
50S-17300-1200-CL	68	157	1637613	810633	1031928	1503323	567710	605490	1824569	770932	924383	2145824	968022	1243275	2467079	1162669	1562158
50S-17300-1300-CL	59	133	1633958	808155	1027397	1945460	845502	1044380	2322488	1075293	1418637	2699507	1302702	1792886	3076534	1528997	2167135
50S-17300-1450-CL	49	107	1627940	804067	1019918	2674992	1287941	1768549	3144033	1569406	2234147	3613083	1849827	2699746	-	-	-
50S-18600-1100-CL	99	174	2099406	1008519	1223061	-	-	-	-	-	-	-	-	-	1721998	484042	484042
50S-18600-1200-CL	85	162	2096052	1006210	1218884	-	-	-	-	-	-	1961452	707372	721735	2282698	916214	1040618
50S-18600-1300-CL	73	149	2092397	1003705	1214353	-	-	-	2138107	823970	897098	2515135	1061531	1271347	2892153	1293127	1645596
50S-18600-1450-CL	61	112	2086379	999563	1206875	2490611	1046300	1247009	2959661	1334315	1712608	3428711	1618515	2178206	3897761	1900803	2643805
65S-18400-1600-CL	51	131	1962089	956340	1187458	3086623	1455993	1958098	3629173	1782328	2496665	4171731	2107220	3035231	4714289	2431254	3573798
65S-18400-1700-CL	46	116	1957514	953216	1181776	3641058	1789461	2508462	4253558	2156152	3116457	4866049	2521781	3724452	5478548	2886861	4332438
65S-18400-1800-CL	41	102	1952655	949897	1175740	4229105	2141532	3092181	4915777	2551437	3773808	5602448	2960608	4455435	-	-	-
65S-19400-1600-CL	61	131	2423272	1205361	1546325	2732721	1167943	1417513	3275279	1499641	1956080	3817837	1827481	2494647	4360395	2153400	3033222
65S-19400-1700-CL	55	116	2418696	1202255	1540643	3287164	1506854	1967877	3899655	1876731	2575872	4512155	2244431	3183867	5124646	2610741	3791862
65S-19400-1800-CL	50	102	2413846	1198954	1534617	3875203	1862013	2551597	4561883	2274193	3233224	5248554	2684763	3914851	-	-	-
80S-18700-1800-CL	42	102	2412457	1060442	1112135	5520798	2716481	3812447	6364079	3221347	4649525	-	-	-	-	-	-
80S-19700-1800-CL	49	102	2942554	1325978	1447949	5189631	2413218	3198231	6032912	2921668	4035317	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
18S-9600-835-CL	67	165	586790	301325	397197	1039353	503530	700283	1401734	717257	1050114	-	-	-
18S-9600-935-CL	55	132	584835	299988	394710	1405106	719248	1053371	-	-	-	-	-	-
18S-9600-1000-CL	49	115	583454	299033	392940	-	-	-	-	-	-	-	-	-
18S-9600-1100-CL	42	96	581135	297449	389975	-	-	-	-	-	-	-	-	-
18S-9600-1200-CL	37	80	578595	295705	386745	-	-	-	-	-	-	-	-	-
18S-9600-1300-CL	32	65	575843	293811	383223	-	-	-	-	-	-	-	-	-
18S-9800-835-CL	83	173	742692	378028	491095	946755	413773	520336	1309127	629837	870167	-	-	-
18S-9800-935-CL	68	138	740736	376691	488609	1312508	631837	873433	-	-	-	-	-	-
18S-9800-1000-CL	60	120	739356	375736	486839	1572406	785429	1124339	-	-	-	-	-	-
18S-9800-1100-CL	51	100	737037	374143	483883	-	-	-	-	-	-	-	-	-
18S-9800-1200-CL	44	84	734497	372399	480644	-	-	-	-	-	-	-	-	-
18S-9800-1300-CL	39	65	731745	370514	477121	-	-	-	-	-	-	-	-	-
18S-10500-935-CL	74	139	820342	410675	518831	1282701	591065	783154	-	-	-	-	-	-
18S-10500-1000-CL	66	122	818961	409720	517061	1542599	745382	1034061	-	-	-	-	-	-
18S-10500-1100-CL	56	102	816643	408118	514105	-	-	-	-	-	-	-	-	-
18S-10500-1200-CL	48	86	814103	406365	510866	-	-	-	-	-	-	-	-	-
18S-10500-1300-CL	42	73	811350	404463	507344	-	-	-	-	-	-	-	-	-
18S-11000-935-CL	82	148	920949	479661	647254	1156058	515327	660891	-	-	-	-	-	-
18S-11000-1000-CL	73	129	919559	478714	645484	1415956	670334	911798	-	-	-	-	-	-
18S-11000-1100-CL	62	107	917241	477130	642528	-	-	-	-	-	-	-	-	-
18S-11000-1200-CL	53	90	914709	475395	639289	-	-	-	-	-	-	-	-	-
18S-11000-1300-CL	46	77	911948	473510	635775	-	-	-	-	-	-	-	-	-
32S-9900-1100-CL	51	138	889186	418003	486511	2405527	1241018	1826162	-	-	-	-	-	-
32S-9900-1200-CL	45	115	886177	415906	482750	-	-	-	-	-	-	-	-	-
32S-9900-1300-CL	39	99	882903	413631	478661	-	-	-	-	-	-	-	-	-
32S-12000-1100-CL	61	144	1085435	527000	646891	2247369	1120711	1595496	-	-	-	-	-	-
32S-12000-1200-CL	52	120	1082426	524938	643130	2799521	1449612	2140718	-	-	-	-	-	-
32S-12000-1300-CL	46	103	1079151	522690	639041	-	-	-	-	-	-	-	-	-
32S-15000-1100-CL	70	151	1263479	631085	811191	2085343	1005440	1384485	2815964	1441762	2105928	-	-	-
32S-15000-1200-CL	60	126	1260461	629031	807430	2637495	1335394	1929707	-	-	-	-	-	-
32S-15000-1300-CL	52	107	1257187	626801	803341	-	-	-	-	-	-	-	-	-

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTC	RTC	ETC	BTO	RTO	ETO	BTO	RTO	ETO	BTO	RTO	ETO
50S-15400-1100-CL	68	174	1376901	650094	766410	2442273	1166572	1589053	3252092	1652083	2392916	3899947	2038668	3036010
50S-15400-1200-CL	58	148	1373538	647767	762242	3054277	1533785	2196561	-	-	-	-	-	-
50S-15400-1300-CL	51	126	1369892	645236	757702	3719505	1931043	2856904	-	-	-	-	-	-
50S-15400-1450-CL	43	102	1363865	641059	750232	-	-	-	-	-	-	-	-	-
50S-15600-1100-CL	71	174	1439276	693097	843856	2365897	1120596	1513244	3175716	1606408	2317107	3823572	1993117	2960201
50S-15600-1200-CL	61	151	1435921	690787	839688	2977910	1488110	2120752	3941657	2063555	3077419	-	-	-
50S-15600-1300-CL	53	128	1432266	688273	835157	3643138	1885484	2781086	-	-	-	-	-	-
50S-15600-1450-CL	44	103	1426248	684132	827679	-	-	-	-	-	-	-	-	-
50S-17300-1100-CL	80	174	1640967	812917	1036096	2176312	986571	1273542	2986132	1474773	2077405	3633987	1862297	2720499
50S-17300-1200-CL	68	157	1637613	810633	1031928	2788325	1356121	1881050	3752081	1932734	2837717	-	-	-
50S-17300-1300-CL	59	133	1633958	808155	1027397	3453553	1754504	2541393	-	-	-	-	-	-
50S-17300-1450-CL	49	107	1627940	804067	1019918	-	-	-	-	-	-	-	-	-
50S-18600-1100-CL	99	174	2099406	1008519	1223061	1991940	728001	752002	2801760	1237965	1555865	3449615	1631144	2198960
50S-18600-1200-CL	85	162	2096052	1006210	1218884	2603953	1116428	1359510	3567701	1702289	2316178	-	-	-
50S-18600-1300-CL	73	149	2092397	1003705	1214353	3269181	1522094	2019853	-	-	-	-	-	-
50S-18600-1450-CL	61	112	2086379	999563	1206875	-	-	-	-	-	-	-	-	-
65S-18400-1600-CL	51	131	1962089	956340	1187458	5256847	2754881	4112374	-	-	-	-	-	-
65S-18400-1700-CL	46	116	1957514	953216	1181776	-	-	-	-	-	-	-	-	-
65S-18400-1800-CL	41	102	1952655	949897	1175740	-	-	-	-	-	-	-	-	-
65S-19400-1600-CL	61	131	2423272	1205361	1546325	4902944	2478159	3571789	-	-	-	-	-	-
65S-19400-1700-CL	55	116	2418696	1202255	1540643	5737145	2976202	4399848	-	-	-	-	-	-
65S-19400-1800-CL	50	102	2413846	1198954	1534617	-	-	-	-	-	-	-	-	-
80S-18700-1800-CL	42	102	2412457	1060442	1112135	-	-	-	-	-	-	-	-	-
80S-19700-1800-CL	49	102	2942554	1325978	1447949	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
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- ETC: End to Close
- BTO: Break to Open
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ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Spring to Open

Models 0.3S-008A-100-OP to 1.5S-1200-585-OP

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.3S-008A-100-OP	61	174	1920	841	974	-	-	-	-	-	-	-	-	-	1859	743	805
0.3S-008A-135-OP	38	174	1850	797	894	-	-	-	2770	1328	1788	3620	1859	2708	4469	2381	3620
0.3S-008B-100-OP	86	174	2903	903	903	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-008B-135-OP	51	174	2832	823	823	-	-	-	-	-	-	3575	1407	1487	4425	1965	2398
0.3S-008C-100-OP	101	174	3505	1186	1186	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-008C-135-OP	59	174	3434	1106	1106	-	-	-	-	-	-	-	-	-	4106	1593	1646
0.3S-008C-175-OP	39	174	3354	1009	1009	-	-	-	5204	2319	2841	6638	3213	4381	8071	4106	5921
0.3S-0100-135-OP	90	174	5673	2372	2531	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-0100-175-OP	57	174	5593	2310	2434	-	-	-	-	-	-	-	-	-	6522	2752	3151
0.3S-0100-235-OP	35	116	5460	2221	2283	-	-	-	9275	4487	6115	11850	6089	8894	14434	7673	11673
0.3S-0150-175-OP	70	174	7169	3381	4248	-	-	-	-	-	-	-	-	-	-	-	-
0.3S-0150-235-OP	42	123	7045	3292	4098	-	-	-	7452	3345	4151	10027	4965	6930	12611	6558	9708
0.9S-0200-235-OP	46	174	9089	4160	5009	-	-	-	-	-	-	11248	5257	6841	14231	7115	10054
0.9S-0200-280-OP	35	174	8939	4053	4841	-	-	-	14372	7195	10204	18603	9815	14771	22842	12408	19328
0.9S-0200-335-OP	27	141	8823	3983	4708	17328	9027	13390	23391	12753	19921	29453	16461	26462	35515	20169	32993
0.9S-0250-235-OP	54	174	11071	5460	7284	-	-	-	-	-	-	-	-	-	11948	5691	7593
0.9S-0250-280-OP	40	174	10921	5363	7107	-	-	-	12089	5779	7744	16319	8408	12310	20559	11009	16868
0.9S-0250-335-OP	31	145	10815	5292	6983	15045	7620	10930	21107	11346	17461	27170	15063	24001	33232	18771	30533
0.9S-0350-280-OP	58	174	17355	8054	9903	-	-	-	-	-	-	-	-	-	17311	7514	8903
0.9S-0350-335-OP	43	151	17249	7983	9770	-	-	-	17859	7868	9496	23922	11673	16027	29984	15426	22568
0.9S-0350-385-OP	34	115	17116	7894	9620	-	-	-	27444	13859	19824	35453	18797	28453	43462	23709	37082
0.9S-0350-435-OP	29	90	17010	7823	9505	28196	14319	20629	38418	20612	31648	48640	26877	42657	58861	33134	53675
0.9S-0350-485-OP	25	73	16939	7779	9425	38064	20399	31267	50772	28187	44958	63481	35958	58649	76190	43728	72349
0.9S-0400-280-OP	67	174	20798	10310	13841	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0400-335-OP	49	158	20691	10239	13709	-	-	-	-	-	-	19966	9195	11762	26028	12983	18302
0.9S-0400-385-OP	39	119	20559	10151	13558	-	-	-	23488	11408	15558	31497	16355	24187	39506	21284	32816
0.9S-0400-435-OP	32	93	20452	10089	13443	24231	11868	16364	34453	18178	27382	44675	24453	38391	54897	30710	49410
0.9S-0400-485-OP	28	75	20382	10045	13364	34108	17966	27001	46817	25762	40692	59516	33542	54383	72225	41312	68083
0.9S-0420-335-OP	54	162	22868	11717	16399	-	-	-	-	-	-	-	-	-	23346	11381	15603
0.9S-0420-385-OP	42	123	22736	11629	16240	-	-	-	20815	9797	12868	28816	14771	21497	36825	19691	30125
0.9S-0420-435-OP	35	97	22629	11558	16125	-	-	-	31780	16594	24683	42002	22868	35701	52224	29134	46710
0.9S-0420-485-OP	30	78	22559	11523	16054	31426	16373	24302	44135	24178	38002	56844	31957	51693	69552	39728	65384

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.9S-0700-335-OP	66	165	29249	14063	18116	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0700-385-OP	52	126	29117	13974	17966	-	-	-	-	-	-	26550	11496	13585	34559	16550	22214
0.9S-0700-435-OP	42	99	29010	13912	17850	-	-	-	29515	13381	16771	39737	19771	27789	49958	26081	38798
0.9S-0700-485-OP	35	78	28948	13868	17771	-	-	-	41869	21090	30090	54578	28922	43781	67287	36719	57472
0.9S-0720-385-OP	60	135	34692	17612	24346	-	-	-	-	-	-	-	-	-	28152	12514	15302
0.9S-0720-435-OP	48	106	34586	17541	24222	-	-	-	-	-	-	33320	15780	20877	43542	22125	31895
0.9S-0720-485-OP	40	86	34524	17496	24152	-	-	-	35462	17116	23178	48162	24984	36878	60870	32789	50569
1.5S-0800-385-OP	52	158	40852	15638	17231	-	-	-	-	-	-	33887	15753	17514	43153	22205	29355
1.5S-0800-435-OP	43	123	40710	15549	17089	-	-	-	37312	18169	21886	49135	26276	37002	60968	34250	52109
1.5S-0800-485-OP	36	99	40622	15488	17001	-	-	-	51613	27948	40152	66313	37834	58941	81022	47657	77721
1.5S-0800-535-OP	31	81	40595	15479	16983	49640	26612	37639	67534	38648	60499	85429	50595	83349	103324	62534	106209
1.5S-1100-385-OP	73	174	59976	22913	25196	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1100-435-OP	59	138	59835	22824	25054	-	-	-	-	-	-	-	-	-	51958	24656	28426
1.5S-1100-485-OP	49	110	59738	22762	24975	-	-	-	-	-	-	57304	28400	35250	72012	38462	54038
1.5S-1100-535-OP	41	91	59720	22753	24948	-	-	-	58525	29240	36807	76420	41436	59667	94306	53472	82526
1.5S-1100-585-OP	36	75	59437	22568	24674	-	-	-	75774	41002	58844	97164	55383	86172	118563	69676	113501
1.5S-1200-385-OP	83	174	70145	29338	35312	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1200-435-OP	67	146	70004	29249	35179	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1200-485-OP	55	117	69915	29196	35090	-	-	-	-	-	-	-	-	-	61870	31648	41436
1.5S-1200-535-OP	47	97	69897	29178	35073	-	-	-	-	-	-	66278	34657	47064	84164	46755	69924
1.5S-1200-585-OP	40	80	69605	29010	34789	-	-	-	65632	34223	46241	87022	48675	73570	108421	62994	100899

NOTES:

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- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.3S-008A-100-OP	61	174	1920	841	974	2319	1044	1310	2788	1336	1805	3257	1628	2310	3726	1920	2814
0.3S-008A-135-OP	38	174	1850	797	894	5319	2903	4540	6177	3425	5460	7027	3947	6372	7877	4469	7292
0.3S-008B-100-OP	86	174	2903	903	903	-	-	-	-	-	-	3213	1089	1089	3682	1478	1593
0.3S-008B-135-OP	51	174	2832	823	823	5275	2505	3319	6133	3036	4239	6983	3558	5151	7832	4080	6071
0.3S-008C-100-OP	101	174	3505	1186	1186	-	-	-	-	-	-	-	-	-	3354	841	841
0.3S-008C-135-OP	59	174	3434	1106	1106	4956	2159	2567	5806	2699	3487	6655	3230	4407	7514	3761	5319
0.3S-008C-175-OP	39	174	3354	1009	1009	9505	4983	7469	10930	5868	9009	12363	6744	10549	13797	7620	12089
0.3S-0100-135-OP	90	174	5673	2372	2531	-	-	-	-	-	-	5115	1628	1628	5965	2381	2549
0.3S-0100-175-OP	57	174	5593	2310	2434	7956	3664	4691	9390	4558	6239	10815	5452	7779	12248	6337	9319
0.3S-0100-235-OP	35	116	5460	2221	2283	17010	9257	14452	19594	10841	17231	22169	12417	20019	24753	14001	22798
0.3S-0150-175-OP	70	174	7169	3381	4248	6133	2496	2735	7567	3416	4275	9000	4319	5814	10425	5204	7354
0.3S-0150-235-OP	42	123	7045	3292	4098	15195	8142	12496	17771	9726	15275	20355	11310	18054	22930	12886	20833
0.9S-0200-235-OP	46	174	9089	4160	5009	17213	8956	13275	20196	10788	16488	23178	12620	19700	26169	14452	22913
0.9S-0200-280-OP	35	174	8939	4053	4841	27072	15010	23895	31311	17594	28462	35542	20187	33028	39781	22780	37586
0.9S-0200-335-OP	27	141	8823	3983	4708	41577	23877	39524	47640	27577	46055	53702	31285	52587	59764	34984	59127
0.9S-0250-235-OP	54	174	11071	5460	7284	14930	7549	10815	17912	9390	14027	20895	11222	17240	23886	13054	20452
0.9S-0250-280-OP	40	174	10921	5363	7107	24789	13611	21435	29028	16204	26001	33258	18789	30568	37497	21382	35126
0.9S-0250-335-OP	31	145	10815	5292	6983	39294	22479	37064	45356	26187	43595	51419	29886	50126	57481	33595	56667
0.9S-0350-280-OP	58	174	17355	8054	9903	21550	10195	13470	25780	12833	18036	30019	15443	22594	34250	18054	27161
0.9S-0350-335-OP	43	151	17249	7983	9770	36046	19160	29099	42108	22877	35630	48179	26594	42161	54242	30311	48693
0.9S-0350-385-OP	34	115	17116	7894	9620	51472	28612	45710	59481	33515	54339	67481	38409	62968	75491	43303	71597
0.9S-0350-435-OP	29	90	17010	7823	9505	69083	39391	64694	79305	45631	75703	-	-	-	-	-	-
0.9S-0350-485-OP	25	73	16939	7779	9425	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0400-280-OP	67	174	20798	10310	13841	17585	7691	9204	21824	10363	13771	26063	13001	18328	30294	15620	22895
0.9S-0400-335-OP	49	158	20691	10239	13709	32090	16727	24833	38152	20452	31364	44215	24169	37896	50277	27886	44427
0.9S-0400-385-OP	39	119	20559	10151	13558	47516	26187	41445	55516	31090	50073	63525	35993	58702	71535	40887	67331
0.9S-0400-435-OP	32	93	20452	10089	13443	65118	36966	60428	75349	43215	71437	-	-	-	-	-	-
0.9S-0400-485-OP	28	75	20382	10045	13364	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0420-335-OP	54	162	22868	11717	16399	29409	15134	22134	35480	18868	28665	41542	22585	35196	47604	26302	41737
0.9S-0420-385-OP	42	123	22736	11629	16240	44834	24603	38754	52843	29506	47383	60853	34409	56012	68853	39303	64640
0.9S-0420-435-OP	35	97	22629	11558	16125	62446	35382	57729	72667	41630	68747	-	-	-	-	-	-
0.9S-0420-485-OP	30	78	22559	11523	16054	-	-	-	-	-	-	-	-	-	-	-	-

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.9S-0700-33S-OP	66	165	29249	14063	18116	27143	11877	14222	33205	15709	20753	39267	19488	27293	45339	23231	33825
0.9S-0700-38S-OP	52	126	29117	13974	17966	42569	21523	30842	50578	26462	39471	58578	31382	48100	66587	36294	56729
0.9S-0700-43S-OP	42	99	29010	13912	17850	60180	32364	49817	70402	38630	60835	-	-	-	-	-	-
0.9S-0700-48S-OP	35	78	28948	13868	17771	-	-	-	-	-	-	-	-	-	-	-	-
0.9S-0720-38S-OP	60	135	34692	17612	24346	36161	17550	23930	44162	22514	32559	52171	27444	41188	60180	32364	49817
0.9S-0720-43S-OP	48	106	34586	17541	24222	53773	28426	42914	63994	34710	53923	74216	40967	64941	-	-	-
0.9S-0720-48S-OP	40	86	34524	17496	24152	73579	40577	64260	-	-	-	-	-	-	-	-	-
1.5S-0800-38S-OP	52	158	40852	15638	17231	52419	28497	41188	61685	34727	53029	70950	40931	64862	80216	47117	76703
1.5S-0800-43S-OP	43	123	40710	15549	17089	72800	42170	67225	84624	50056	82332	96456	57950	97447	108289	65844	112554
1.5S-0800-48S-OP	36	99	40622	15488	17001	95722	57463	96509	110430	67278	115298	-	-	-	-	-	-
1.5S-0800-53S-OP	31	81	40595	15479	16983	121210	74464	129068	-	-	-	-	-	-	-	-	-
1.5S-1100-38S-OP	73	174	59976	22913	25196	43409	17496	17496	52675	25169	29338	61941	31595	41170	71207	37913	53012
1.5S-1100-43S-OP	59	138	59835	22824	25054	63791	32860	43533	75614	40896	58640	87447	48870	73756	99279	56790	88863
1.5S-1100-48S-OP	49	110	59738	22762	24975	86712	48374	72818	101421	58233	91606	116121	68048	110386	130830	77862	129175
1.5S-1100-53S-OP	41	91	59720	22753	24948	112200	65437	105377	130095	77367	128237	-	-	-	-	-	-
1.5S-1100-58S-OP	36	75	59437	22568	24674	-	-	-	-	-	-	-	-	-	-	-	-
1.5S-1200-38S-OP	83	174	70145	29338	35312	-	-	-	-	-	-	51799	24656	28577	61065	31099	40409
1.5S-1200-43S-OP	67	146	70004	29249	35179	53649	25957	30931	65472	34117	46047	77305	42135	61154	89137	50091	76269
1.5S-1200-48S-OP	55	117	69915	29196	35090	76570	41639	60215	91279	51525	79004	105988	61375	97793	120687	71181	116572
1.5S-1200-53S-OP	47	97	69897	29178	35073	102058	58746	92775	119953	70694	115634	-	-	-	-	-	-
1.5S-1200-58S-OP	40	80	69605	29010	34789	129812	77269	128228	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.3S-008A-100-OP	61	174	1920	841	974	4195	2204	3319	5593	3062	4832	6717	3752	6036
0.3S-008A-135-OP	38	174	1850	797	894	8726	4983	8213	11284	6549	10965	13328	7797	13160
0.3S-008B-100-OP	86	174	2903	903	903	4142	1788	2097	5549	2673	3611	6673	3363	4814
0.3S-008B-135-OP	51	174	2832	823	823	8682	4611	6992	11240	6177	9744	13284	7425	11948
0.3S-008C-100-OP	101	174	3505	1186	1186	3823	1345	1345	5222	2328	2859	6345	3036	4062
0.3S-008C-135-OP	59	174	3434	1106	1106	8363	4283	6239	10912	5859	8992	12956	7107	11195
0.3S-008C-175-OP	39	174	3354	1009	1009	15222	8496	13629	19514	11124	18258	22948	13222	21957
0.3S-0100-135-OP	90	174	5673	2372	2531	6815	2938	3469	9372	4549	6222	11417	5814	8425
0.3S-0100-175-OP	57	174	5593	2310	2434	13682	7213	10859	17974	9850	15488	21408	11948	19187
0.3S-0100-235-OP	35	116	5460	2221	2283	-	-	-	-	-	-	-	-	-
0.3S-0150-175-OP	70	174	7169	3381	4248	11859	6089	8903	16151	8735	13523	19585	10832	17222
0.3S-0150-235-OP	42	123	7045	3292	4098	25515	14461	23612	-	-	-	-	-	-
0.9S-0200-235-OP	46	174	9089	4160	5009	29152	16275	26134	38099	21753	35772	45259	26125	43489
0.9S-0200-280-OP	35	174	8939	4053	4841	44020	25364	42153	56720	33126	55844	66888	39338	66800
0.9S-0200-335-OP	27	141	8823	3983	4708	65826	38692	65658	-	-	-	-	-	-
0.9S-0250-235-OP	54	174	11071	5460	7284	26869	14877	23674	35816	20355	33311	42976	24727	41029
0.9S-0250-280-OP	40	174	10921	5363	7107	41737	23975	39692	54436	31736	53383	64605	37940	64340
0.9S-0250-335-OP	31	145	10815	5292	6983	63543	37294	63198	-	-	-	-	-	-
0.9S-0350-280-OP	58	174	17355	8054	9903	38489	20656	31727	51197	28444	45418	61357	34665	56366
0.9S-0350-335-OP	43	151	17249	7983	9770	60304	34019	55233	78491	45135	74827	-	-	-
0.9S-0350-385-OP	34	115	17116	7894	9620	-	-	-	-	-	-	-	-	-
0.9S-0350-435-OP	29	90	17010	7823	9505	-	-	-	-	-	-	-	-	-
0.9S-0350-485-OP	25	73	16939	7779	9425	-	-	-	-	-	-	-	-	-
0.9S-0400-280-OP	67	174	20798	10310	13841	34533	18222	27462	47232	26019	41153	57401	32241	52100
0.9S-0400-335-OP	49	158	20691	10239	13709	56339	31595	50967	74526	42719	70561	-	-	-
0.9S-0400-385-OP	39	119	20559	10151	13558	79544	45781	75960	-	-	-	-	-	-
0.9S-0400-435-OP	32	93	20452	10089	13443	-	-	-	-	-	-	-	-	-
0.9S-0400-485-OP	28	75	20382	10045	13364	-	-	-	-	-	-	-	-	-
0.9S-0420-335-OP	54	162	22868	11717	16399	53666	30010	48268	71853	41135	67862	-	-	-
0.9S-0420-385-OP	42	123	22736	11629	16240	76862	44197	73269	-	-	-	-	-	-
0.9S-0420-435-OP	35	97	22629	11558	16125	-	-	-	-	-	-	-	-	-
0.9S-0420-485-OP	30	78	22559	11523	16054	-	-	-	-	-	-	-	-	-

Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	Operating supply pressure (psi)								
						120			150			174		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
0.9S-0700-335-OP	66	165	29249	14063	18116	51401	26966	40356	69588	38135	59950	-	-	-
0.9S-0700-385-OP	52	126	29117	13974	17966	74597	41206	65357	-	-	-	-	-	-
0.9S-0700-435-OP	42	99	29010	13912	17850	-	-	-	-	-	-	-	-	-
0.9S-0700-485-OP	35	78	28948	13868	17771	-	-	-	-	-	-	-	-	-
0.9S-0720-385-OP	60	135	34692	17612	24346	68189	37276	58445	-	-	-	-	-	-
0.9S-0720-435-OP	48	106	34586	17541	24222	-	-	-	-	-	-	-	-	-
0.9S-0720-485-OP	40	86	34524	17496	24152	-	-	-	-	-	-	-	-	-
1.5S-0800-385-OP	52	158	40852	15638	17231	89482	53304	88535	117280	71844	124050	-	-	-
1.5S-0800-435-OP	43	123	40710	15549	17089	120112	73738	127670	-	-	-	-	-	-
1.5S-0800-485-OP	36	99	40622	15488	17001	-	-	-	-	-	-	-	-	-
1.5S-0800-535-OP	31	81	40595	15479	16983	-	-	-	-	-	-	-	-	-
1.5S-1100-385-OP	73	174	59976	22913	25196	80473	44179	64853	108271	62808	100359	130511	77650	128768
1.5S-1100-435-OP	59	138	59835	22824	25054	111103	64702	103979	-	-	-	-	-	-
1.5S-1100-485-OP	49	110	59738	22762	24975	-	-	-	-	-	-	-	-	-
1.5S-1100-535-OP	41	91	59720	22753	24948	-	-	-	-	-	-	-	-	-
1.5S-1100-585-OP	36	75	59437	22568	24674	-	-	-	-	-	-	-	-	-
1.5S-1200-385-OP	83	174	70145	29338	35312	70331	37418	52250	98129	56118	87757	120369	70968	116165
1.5S-1200-435-OP	67	146	70004	29249	35179	100961	58012	91376	-	-	-	-	-	-
1.5S-1200-485-OP	55	117	69915	29196	35090	-	-	-	-	-	-	-	-	-
1.5S-1200-535-OP	47	97	69897	29178	35073	-	-	-	-	-	-	-	-	-
1.5S-1200-585-OP	40	80	69605	29010	34789	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Spring to Open

Models 3S-2000-385-OP to 14S-8300-985-OP

Model	Hold pressure (psi)	MOP (psi)	Operating supply pressure (psi)														
			BTO	RTO	ETO	40			50			60			70		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
3S-2000-385-OP	75	174	101421	44976	56755	-	-	-	-	-	-	-	-	-	-	-	-
3S-2000-435-OP	60	160	101191	44834	56516	-	-	-	-	-	-	-	-	-	73906	35223	42161
3S-2000-485-OP	50	129	101040	44746	56375	-	-	-	-	-	-	82889	41356	53321	107607	57914	84004
3S-2000-535-OP	42	106	101005	44728	56339	-	-	-	84942	42746	55861	115015	62835	93199	145087	82712	130546
3S-2000-585-OP	37	88	100536	44436	55870	-	-	-	113935	62118	91863	149892	85872	136502	185850	109519	181151
6S-2500-485-OP	59	174	144317	65623	84863	-	-	-	-	-	-	-	-	-	106430	52091	65340
6S-2500-535-OP	50	164	144282	65596	84827	-	-	-	-	-	-	115103	57959	76066	150344	81473	119643
6S-2500-585-OP	43	136	143724	65260	84279	-	-	-	-	-	-	155964	85190	126608	198090	112970	178708
6S-2500-635-OP	38	116	143122	64897	83677	-	-	-	150839	81801	120263	200479	114537	181655	250110	147114	243039
6S-2500-685-OP	38	174	142476	64508	83031	-	-	-	190877	108227	169778	248632	146140	241216	306387	184009	312644
6S-2500-735-OP	30	87	141777	64074	82332	167442	92783	140795	233941	136511	223038	300440	180106	305281	366939	223701	387533
6S-3800-535-OP	65	174	197116	94518	129113	-	-	-	-	-	-	-	-	-	-	-	-
6S-3800-585-OP	56	149	196567	94182	128564	-	-	-	-	-	-	-	-	-	152778	80473	113245
6S-3800-635-OP	48	126	195966	93819	127962	-	-	-	-	-	-	155158	82057	116192	204789	114908	177575
6S-3800-685-OP	43	174	195320	93429	127316	-	-	-	145556	75659	104315	203311	113926	175752	261075	151901	247189
6S-3800-735-OP	38	94	194620	93014	126617	-	-	-	188620	104235	157574	255119	147999	239826	321618	191594	322069
14S-5100-635-OP	53	174	240348	113377	153725	-	-	-	-	-	-	149733	76650	100474	203054	112776	168575
14S-5100-685-OP	46	173	239631	112953	153034	-	-	-	-	-	-	201461	111705	166548	263500	153255	245800
14S-5100-735-OP	41	149	238853	112492	152282	-	-	-	185682	101076	146388	257110	148990	237631	328539	196638	328875
14S-5100-785-OP	37	131	238021	111997	151485	-	-	-	235198	134325	209639	316671	188726	313715	398144	243074	417791
14S-5100-835-OP	34	116	237136	111475	150627	-	-	-	287970	169575	277049	380152	231074	394807	472342	292572	512565
14S-5100-885-OP	31	103	236198	110917	149724	240437	137839	216338	344000	206948	348619	447553	276040	480900	551107	345044	613190
14S-5100-935-OP	29	93	235206	110324	148760	287696	169389	276704	403286	246499	424358	518876	323574	572011	634457	400569	719664
14S-5400-635-OP	65	174	310635	140520	182885	-	-	-	-	-	-	-	-	-	-	-	-
14S-5400-685-OP	57	174	309918	140096	182195	-	-	-	-	-	-	-	-	-	230489	119148	158734
14S-5400-735-OP	51	160	309139	139626	181443	-	-	-	-	-	-	224100	114776	150565	295528	163194	241800
14S-5400-785-OP	46	139	308307	139131	180646	-	-	-	-	-	-	283660	155202	226649	365133	209878	330725
14S-5400-835-OP	41	123	307422	138600	179788	-	-	-	254960	135803	189983	347141	197842	307741	439332	259411	425499
14S-5400-885-OP	38	110	306484	138042	178885	-	-	-	310989	173593	261553	414543	242871	393834	518097	311954	526124
14S-5400-935-OP	35	99	305493	137441	177920	-	-	-	370275	213312	337282	485865	290448	484936	601446	367558	632589
14S-8300-735-OP	63	171	398029	181239	237410	-	-	-	-	-	-	-	-	-	236419	112961	131688
14S-8300-785-OP	56	151	397197	180744	236614	-	-	-	-	-	-	-	-	-	306033	160955	220613
14S-8300-835-OP	51	133	396312	180213	235755	-	-	-	-	-	-	288032	148689	197621	380223	211099	315379
14S-8300-885-OP	46	117	395374	179655	234852	-	-	-	-	-	-	355434	194408	283722	458988	263889	416003
14S-8300-935-OP	42	106	394383	179062	233888	-	-	-	311166	164451	227171	426756	242322	374824	542346	319538	522477

See notes on the next page.

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
3S-2000-385-OP	75	174	101421	44976	56755	-	-	-	75110	36046	43657	90686	46613	62994	106262	57021	82332
3S-2000-435-OP	60	160	101191	44834	56516	93792	48702	66853	113669	61950	91536	133555	75101	116218	153432	88208	140910
3S-2000-485-OP	50	129	101040	44746	56375	132325	74287	114696	157043	90580	145379	181752	106828	176071	206471	123068	206754
3S-2000-535-OP	42	106	101005	44728	56339	175168	102501	167885	205240	122254	205223	235313	142016	242561	-	-	-
3S-2000-585-OP	37	88	100536	44436	55870	221808	133139	225799	-	-	-	-	-	-	-	-	-
6S-2500-485-OP	59	174	144317	65623	84863	135387	71535	101147	164345	90730	136963	193293	109820	172770	222250	128847	208586
6S-2500-535-OP	50	164	144282	65596	84827	185576	104731	163221	220808	127891	206798	256039	150999	250375	291271	174097	293944
6S-2500-585-OP	43	136	143724	65260	84279	240216	140627	230808	282342	168247	282908	324468	195859	335008	366594	223480	387108
6S-2500-635-OP	38	116	143122	64897	83677	299741	179655	304431	349380	212196	365815	399011	244738	427207	448651	277279	488591
6S-2500-685-OP	38	174	142476	64508	83031	364151	221878	384081	421906	259748	455518	479670	297608	526956	-	-	-
6S-2500-735-OP	30	87	141777	64074	82332	433438	267297	469776	-	-	-	-	-	-	-	-	-
6S-3800-535-OP	65	174	197116	94518	129113	140255	72110	97757	175487	95553	141335	210719	118811	184912	245950	141981	228489
6S-3800-585-OP	56	149	196567	94182	128564	194904	108386	165345	237030	136113	217445	279156	163760	269553	321282	191372	321653
6S-3800-635-OP	48	126	195966	93819	127962	254429	147547	238968	304059	180089	300360	353699	212630	361744	403330	245172	423136
6S-3800-685-OP	43	174	195320	93429	127316	318830	189771	318627	376594	227640	390064	434349	265509	461501	-	-	-
6S-3800-735-OP	38	94	194620	93014	126617	388117	235198	404312	454616	278793	486564	-	-	-	-	-	-
14S-5100-635-OP	53	174	240348	113377	153725	256367	148485	236684	309679	184062	304785	362992	219622	372886	416304	255190	440987
14S-5100-685-OP	46	173	239631	112953	153034	325547	194638	325052	387586	236030	404303	449624	277421	483546	511663	318768	562798
14S-5100-735-OP	41	149	238853	112492	152282	399967	244287	420110	471386	291935	511353	542815	339521	602597	614243	387108	693840
14S-5100-785-OP	37	131	238021	111997	151485	479626	297422	521876	561099	351699	625952	642572	405976	730028	724054	460218	834104
14S-5100-835-OP	34	116	237136	111475	150627	564524	353982	630324	656705	415392	748082	748896	476750	865840	841077	538107	983598
14S-5100-885-OP	31	103	236198	110917	149724	654670	414030	745471	758224	482962	877752	861778	551877	1010042	-	-	-
14S-5100-935-OP	29	93	235206	110324	148760	750046	477519	867309	865636	554444	1014962	-	-	-	-	-	-
14S-5400-635-OP	65	174	310635	140520	182885	223356	114262	149609	276669	150494	217719	329981	186346	285820	383294	222020	353920
14S-5400-685-OP	57	174	309918	140096	182195	292537	161185	237985	354575	202807	317228	416614	244251	396480	478652	285643	475732
14S-5400-735-OP	51	160	309139	139626	181443	366956	211090	333043	438376	258774	424287	509804	306422	515530	581233	354080	606774
14S-5400-785-OP	46	139	308307	139131	180646	446615	264270	434801	528088	318618	538877	609561	372974	642961	691043	427331	747037
14S-5400-835-OP	41	123	307422	138600	179788	531513	320910	543257	623704	382409	661015	715885	443898	778773	808067	505308	896532
14S-5400-885-OP	38	110	306484	138042	178885	621659	381037	658405	725213	450111	790686	828767	519097	922967	932321	588083	1055256
14S-5400-935-OP	35	99	305493	137441	177920	717036	444659	780243	832626	521663	927896	-	-	-	-	-	-
14S-8300-735-OP	63	171	398029	181239	237410	307847	162194	222932	379276	210462	314175	450704	258349	405410	522132	306060	496653
14S-8300-785-OP	56	151	397197	180744	236614	387506	215993	324689	468979	270571	428765	550461	324954	532841	631934	379311	636917
14S-8300-835-OP	51	133	396312	180213	235755	472404	272863	433137	564595	334388	550895	656776	395887	668653	748967	457386	786411
14S-8300-885-OP	46	117	395374	179655	234852	562550	333017	548284	666104	402109	680574	769658	471192	812855	873221	540275	945136
14S-8300-935-OP	42	106	394383	179062	233888	657927	396648	670131	773517	473767	817784	889106	550868	965438	-	-	-

- NOTES:**
- Hold pressure: the minimum pressure to operate the actuator
 - MOP: Maximum Operating Pressure
 - BTC: Break to Close
 - RTC: Run to Close
 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	Operating supply pressure (psi)								
						120			150			174		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
3S-2000-385-OP	75	174	101421	44976	56755	121838	67357	101669	168557	98155	159681	205940	122714	206090
3S-2000-435-OP	60	160	101191	44834	56516	173318	101288	165592	232967	140467	239649	-	-	-
3S-2000-485-OP	50	129	101040	44746	56375	231189	139299	237437	-	-	-	-	-	-
3S-2000-535-OP	42	106	101005	44728	56339	-	-	-	-	-	-	-	-	-
3S-2000-585-OP	37	88	100536	44436	55870	-	-	-	-	-	-	-	-	-
6S-2500-485-OP	59	174	144317	65623	84863	251207	147830	244393	338070	204780	351832	407560	250340	437774
6S-2500-535-OP	50	164	144282	65596	84827	326503	197196	337521	432199	266491	468254	-	-	-
6S-2500-585-OP	43	136	143724	65260	84279	408720	251101	439217	-	-	-	-	-	-
6S-2500-635-OP	38	116	143122	64897	83677	-	-	-	-	-	-	-	-	-
6S-2500-685-OP	38	174	142476	64508	83031	-	-	-	-	-	-	-	-	-
6S-2500-735-OP	30	87	141777	64074	82332	-	-	-	-	-	-	-	-	-
6S-3800-535-OP	65	174	197116	94518	129113	281182	165088	272067	386887	234383	402790	471440	289829	507371
6S-3800-585-OP	56	149	196567	94182	128564	363408	218993	373753	489786	301847	530053	-	-	-
6S-3800-635-OP	48	126	195966	93819	127962	452970	277713	484520	-	-	-	-	-	-
6S-3800-685-OP	43	174	195320	93429	127316	-	-	-	-	-	-	-	-	-
6S-3800-735-OP	38	94	194620	93014	126617	-	-	-	-	-	-	-	-	-
14S-5100-635-OP	53	174	240348	113377	153725	469616	290758	509096	629562	397312	713399	757516	482484	876849
14S-5100-685-OP	46	173	239631	112953	153034	573701	360098	642050	759826	484024	879796	-	-	-
14S-5100-735-OP	41	149	238853	112492	152282	685671	434677	785084	899957	577286	1058805	-	-	-
14S-5100-785-OP	37	131	238021	111997	151485	805527	514442	938180	-	-	-	-	-	-
14S-5100-835-OP	34	116	237136	111475	150627	-	-	-	-	-	-	-	-	-
14S-5100-885-OP	31	103	236198	110917	149724	-	-	-	-	-	-	-	-	-
14S-5100-935-OP	29	93	235206	110324	148760	-	-	-	-	-	-	-	-	-
14S-5400-635-OP	65	174	310635	140520	182885	436606	257597	422021	596552	364293	626332	724505	449633	789783
14S-5400-685-OP	57	174	309918	140096	182195	540691	327034	554984	726815	451173	792730	875708	550364	982934
14S-5400-735-OP	51	160	309139	139626	181443	652661	401728	698008	866946	544523	971739	-	-	-
14S-5400-785-OP	46	139	308307	139131	180646	772517	481617	851113	-	-	-	-	-	-
14S-5400-835-OP	41	123	307422	138600	179788	900257	566719	1014290	-	-	-	-	-	-
14S-5400-885-OP	38	110	306484	138042	178885	-	-	-	-	-	-	-	-	-
14S-5400-935-OP	35	99	305493	137441	177920	-	-	-	-	-	-	-	-	-
14S-8300-735-OP	63	171	398029	181239	237410	593552	353708	587897	807837	496662	861618	-	-	-
14S-8300-785-OP	56	151	397197	180744	236614	713407	433659	741002	957836	596658	1053230	-	-	-
14S-8300-835-OP	51	133	396312	180213	235755	841148	518884	904169	-	-	-	-	-	-
14S-8300-885-OP	46	117	395374	179655	234852	-	-	-	-	-	-	-	-	-
14S-8300-935-OP	42	106	394383	179062	233888	-	-	-	-	-	-	-	-	-

NOTES:

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- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGAS Spring-Return Pneumatic Actuator

Output Torques (lb-in) - Symmetric Yoke Design, Spring to Open

Models 18S-9600-835-OP to 80S-19700-1800-OP

						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
18S-9600-835-OP	66	174	628412	257508	303555	-	-	-	-	-	-	-	-	-	-	-	-
18S-9600-935-OP	55	141	626182	256146	301404	-	-	-	-	-	-	-	-	-	578525	295652	386648
18S-9600-1000-OP	49	125	624606	255172	299882	-	-	-	-	-	-	558948	282209	361664	711053	385718	555833
18S-9600-1100-OP	42	102	621969	253553	297333	-	-	-	564241	285846	368417	748285	410808	603366	932330	534266	838316
18S-9600-1200-OP	36	80	619075	251774	294546	-	-	-	736621	402958	588481	955650	549868	868088	1174678	696017	1147703
18S-9600-1300-OP	32	73	615942	249853	291519	666945	355885	499521	923993	528690	827679	1181041	700265	1155828	1438098	871690	1483986
18S-9800-835-OP	82	174	799686	324335	378355	-	-	-	-	-	-	-	-	-	-	-	-
18S-9800-935-OP	67	152	797465	322963	376205	-	-	-	-	-	-	-	-	-	-	-	-
18S-9800-1000-OP	60	133	795881	321990	374682	-	-	-	-	-	-	-	-	-	627200	297794	343663
18S-9800-1100-OP	51	110	793243	320352	372134	-	-	-	-	-	-	664431	323928	391197	848476	450191	626146
18S-9800-1200-OP	44	93	790358	318565	369346	-	-	-	-	-	-	871796	466006	655918	1090824	613500	935534
18S-9800-1300-OP	39	78	787216	316626	366319	-	-	-	840139	444527	615509	1097196	617774	943658	1354245	789668	1271816
18S-10500-935-OP	77	158	932206	379656	444783	-	-	-	-	-	-	-	-	-	-	-	-
18S-10500-1000-OP	68	138	930631	378692	443261	-	-	-	-	-	-	-	-	-	-	-	-
18S-10500-1100-OP	58	113	927993	377072	440712	-	-	-	-	-	-	-	-	-	773658	378311	459227
18S-10500-1200-OP	50	96	925099	375293	437925	-	-	-	-	-	-	796978	394524	488998	1016007	544222	768614
18S-10500-1300-OP	44	80	921958	373364	434898	-	-	-	-	-	-	1022379	548523	776747	1279427	721549	1104896
18S-11000-935-OP	85	20	1046787	449509	555408	-	-	-	-	-	-	-	-	-	-	-	-
18S-11000-1000-OP	76	145	1045212	448553	553877	-	-	-	-	-	-	-	-	-	-	-	-
18S-11000-1100-OP	64	120	1042574	446960	551337	-	-	-	-	-	-	-	-	-	-	-	-
18S-11000-1200-OP	55	100	1039680	445208	548550	-	-	-	-	-	-	-	-	-	904815	468643	626669
18S-11000-1300-OP	48	80	1036547	443305	545514	-	-	-	-	-	-	911187	472997	634802	1168235	646917	962951
32S-9900-1100-OP	52	158	962623	369178	401392	-	-	-	-	-	-	822776	371213	403622	1041477	522566	676583
32S-9900-1200-OP	45	132	959269	367018	398082	-	-	-	-	-	-	1069186	541328	711168	1329456	716027	1036016
32S-9900-1300-OP	40	113	955623	364664	394480	-	-	-	1031574	515822	664219	1337023	721080	1045459	1642480	923940	1426700
32S-12000-1100-OP	62	158	1177413	472794	538983	-	-	-	-	-	-	-	-	-	896045	393940	410507
32S-12000-1200-OP	54	132	1174059	470678	535673	-	-	-	-	-	-	-	-	-	1184033	594313	769941
32S-12000-1300-OP	47	113	1170413	468395	532071	-	-	-	-	-	-	1191599	599437	779384	1497048	804651	1160633
32S-15000-1100-OP	71	164	1373139	573489	681229	-	-	-	-	-	-	-	-	-	-	-	-
32S-15000-1200-OP	61	138	1369776	571409	677910	-	-	-	-	-	-	-	-	-	1036176	474059	527487
32S-15000-1300-OP	53	117	1366130	569152	674308	-	-	-	-	-	-	-	-	-	1349200	689185	918179

Model						Operating supply pressure (psi)											
						40			50			60			70		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
50S-15400-1100-OP	70	174	1483534	578409	637359	-	-	-	-	-	-	-	-	-	-	-	-
50S-15400-1200-OP	60	162	1479817	576029	633669	-	-	-	-	-	-	-	-	-	1268886	574533	632297
50S-15400-1300-OP	52	138	1475773	573436	629660	-	-	-	-	-	-	1277321	580516	642767	1617674	814501	1065336
50S-15400-1450-OP	44	112	1469100	569170	623031	-	-	-	-	-	-	1769743	916851	1254142	2193172	1198954	1779859
50S-15600-1100-OP	72	174	1552635	622394	705956	-	-	-	-	-	-	-	-	-	-	-	-
50S-15600-1200-OP	62	165	1548909	620058	702265	-	-	-	-	-	-	-	-	-	1199936	525106	546700
50S-15600-1300-OP	54	141	1544865	617491	698247	-	-	-	-	-	-	-	-	-	1548723	767791	979739
50S-15600-1450-OP	45	113	1538201	613252	691628	-	-	-	-	-	-	1700793	870557	1168545	2124221	1153261	1694253
50S-17300-1100-OP	78	174	1698005	692043	798739	-	-	-	-	-	-	-	-	-	-	-	-
50S-17300-1200-OP	67	170	1694279	689698	795049	-	-	-	-	-	-	-	-	-	-	-	-
50S-17300-1300-OP	58	145	1690235	687149	791040	-	-	-	-	-	-	-	-	-	1450533	682362	799659
50S-17300-1450-OP	49	116	1683571	682946	784411	-	-	-	-	-	-	1602602	786836	988465	2026031	1071815	1514173
50S-18600-1100-OP	97	174	2159940	838042	918763	-	-	-	-	-	-	-	-	-	-	-	-
50S-18600-1200-OP	83	174	2156214	835652	915063	-	-	-	-	-	-	-	-	-	-	-	-
50S-18600-1300-OP	72	158	2152170	833068	911054	-	-	-	-	-	-	-	-	-	-	-	-
50S-18600-1450-OP	59	128	2145506	828749	904426	-	-	-	-	-	-	-	-	-	1872996	851034	941950
65S-18400-1600-OP	50	145	2033040	809722	912267	-	-	-	-	-	-	1841145	873309	1037300	2330931	1205733	1645401
65S-18400-1700-OP	45	116	2027969	806501	907231	-	-	-	-	-	-	2215394	1128092	1501942	2768315	1497570	2188437
65S-18400-1800-OP	41	116	2022597	803093	901895	-	-	-	1992427	977075	1225123	2612316	1393787	1994746	3232197	1804825	2764377
65S-19400-1600-OP	58	145	2420404	973235	1107498	-	-	-	-	-	-	-	-	-	2116584	995271	1165545
65S-19400-1700-OP	52	131	2415333	970040	1102462	-	-	-	-	-	-	2001038	914541	1022087	2553960	1293755	1708581
65S-19400-1800-OP	48	116	2409961	966650	1097126	-	-	-	-	-	-	2397961	1188174	1514890	3017841	1604682	2284521
80S-18700-1800-OP	41	102	2446795	761038	761038	-	-	-	2765528	1309313	1550493	3526796	1826074	2495647	4288055	2333612	3440809
80S-19700-1800-OP	48	102	2996424	1021157	1021157	-	-	-	-	-	-	3238020	1532811	1814790	3999280	2050563	2759943

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

Model						Operating supply pressure (psi)											
						80			90			100			110		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
18S-9600-835-OP	66	174	628412	257508	303555	498069	239950	283943	604119	313157	419331	710168	385125	554709	816218	456492	690096
18S-9600-935-OP	55	141	626182	256146	301404	711496	386019	556400	844467	475440	726151	977438	564435	895912	1110410	653157	1065664
18S-9600-1000-OP	49	125	624606	255172	299882	863158	487980	750011	1015254	589702	944189	1167359	691141	1138358	1319464	792571	1332536
18S-9600-1100-OP	42	102	621969	253553	297333	1116374	657130	1073266	1300419	779871	1308225	1484455	902603	1543175	-	-	-
18S-9600-1200-OP	36	80	619075	251774	294546	1393707	842086	1427310	-	-	-	-	-	-	-	-	-
18S-9600-1300-OP	32	73	615942	249853	291519	-	-	-	-	-	-	-	-	-	-	-	-
18S-9800-835-OP	82	174	799686	324335	378355	-	-	-	520274	207152	207152	626323	297174	342539	732373	370939	477927
18S-9800-935-OP	67	152	797465	322963	376205	627651	298112	344230	760622	390338	513981	893593	480741	683733	1026565	570383	853494
18S-9800-1000-OP	60	133	795881	321990	374682	779304	403100	537841	931409	506317	732019	1083506	608597	926188	1235610	710434	1120366
18S-9800-1100-OP	51	110	793243	320352	372134	1032521	574383	861096	1216565	697699	1096046	1400610	820590	1331005	1584654	943322	1565954
18S-9800-1200-OP	44	93	790358	318565	369346	1309853	760065	1215140	1528882	906134	1494756	-	-	-	-	-	-
18S-9800-1300-OP	39	78	787216	316626	366319	-	-	-	-	-	-	-	-	-	-	-	-
18S-10500-935-OP	77	158	932206	379656	444783	-	-	-	685795	316272	347070	818767	409587	516822	951738	500618	686574
18S-10500-1000-OP	68	138	930631	378692	443261	704487	329636	370921	856592	435624	565099	1008688	539275	759268	1160793	641899	953446
18S-10500-1100-OP	58	113	927993	377072	440712	957703	504671	694176	1141747	629076	929135	1325792	752639	1164085	1509828	875699	1399035
18S-10500-1200-OP	50	96	925099	375293	437925	1235035	691760	1048221	1454064	838414	1327836	-	-	-	-	-	-
18S-10500-1300-OP	44	80	921958	373364	434898	1536484	893478	1433054	-	-	-	-	-	-	-	-	-
18S-11000-935-OP	85	20	1046787	449509	555408	-	-	-	-	-	-	707584	331840	374877	840555	424614	544629
18S-11000-1000-OP	76	145	1045212	448553	553877	-	-	-	745400	358549	423154	897505	463643	617332	1049601	566940	811501
18S-11000-1100-OP	64	120	1042574	446960	551337	846511	428703	552240	1030556	554063	787190	1214601	678052	1022140	1398645	801359	1257089
18S-11000-1200-OP	55	100	1039680	445208	548550	1123844	617022	906284	1342872	764065	1185891	1561901	910426	1465507	-	-	-
18S-11000-1300-OP	48	80	1036547	443305	545514	1425293	819183	1291109	-	-	-	-	-	-	-	-	-
32S-9900-1100-OP	52	158	962623	369178	401392	1260178	669786	949543	1478870	815466	1222504	1697572	960429	1495464	1916273	1104914	1768425
32S-9900-1200-OP	45	132	959269	367018	398082	1589726	888991	1360856	1849995	1061142	1685704	2110265	1232840	2010552	2370534	1404309	2335400
32S-9900-1300-OP	40	113	955623	364664	394480	1947938	1125826	1807949	2253387	1327137	2189189	2558845	1528377	2570429	-	-	-
32S-12000-1100-OP	62	158	1177413	472794	538983	1114746	547089	683468	1333447	695176	956428	1552140	841414	1229389	1770841	986704	1502349
32S-12000-1200-OP	54	132	1174059	470678	535673	1444302	769446	1094789	1704563	942755	1419629	1964833	1115189	1744477	2225102	1287082	2069325
32S-12000-1300-OP	47	113	1170413	468395	532071	1802506	1007688	1541874	2107964	1209715	1923114	2413413	1411203	2304354	2718870	1612443	2685594
32S-15000-1100-OP	71	164	1373139	573489	681229	966889	424375	441013	1185590	577896	713974	1404283	726293	986934	1622984	872787	1259895
32S-15000-1200-OP	61	138	1369776	571409	677910	1296445	653457	852335	1556715	828555	1177183	1816976	1001909	1502022	2077245	1174439	1826870
32S-15000-1300-OP	53	117	1366130	569152	674308	1654649	893912	1299419	1960107	1096834	1680659	2265556	1298870	2061900	2571014	1500402	2443149

						Operating supply pressure (psi)											
						80			90			100			110		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
50S-15400-1100-OP	70	174	1483534	578409	637359	1191688	519070	536452	1435373	690406	839007	1679057	855937	1141553	1922742	1019175	1444099
50S-15400-1200-OP	60	162	1479817	576029	633669	1558892	774685	992359	1848898	969836	1352422	2138895	1162987	1712475	2428900	1354997	2072537
50S-15400-1300-OP	52	138	1475773	573436	629660	1958027	1042707	1487906	2298380	1268674	1910476	2638725	1493588	2333046	2979078	1717776	2755616
50S-15400-1450-OP	44	112	1469100	569170	623031	2616591	1478968	2305567	3040019	1757902	2831274	3463448	2036173	3356991	3886876	2314346	3882699
50S-15600-1100-OP	72	174	1552635	622394	705956	1122738	450854	450854	1366422	642837	753401	1610107	809394	1055955	1853792	973111	1358502
50S-15600-1200-OP	62	165	1548909	620058	702265	1489942	727771	906762	1779947	923701	1266816	2069953	1117171	1626878	2359959	1309464	1986940
50S-15600-1300-OP	54	141	1544865	617491	698247	1889077	996687	1402309	2229430	1222982	1824879	2569783	1448046	2247449	2910137	1672367	2670018
50S-15600-1450-OP	45	113	1538201	613252	691628	2547650	1433435	2219969	2971078	1712502	2745677	3394506	1990878	3271385	3817934	2269052	3797101
50S-17300-1100-OP	78	174	1698005	692043	798739	-	-	-	1268232	553311	573321	1511916	724744	875876	1755601	890496	1178422
50S-17300-1200-OP	67	170	1694279	689698	795049	1391751	641413	726682	1681757	840608	1086736	1971762	1035556	1446798	2261759	1228716	1806860
50S-17300-1300-OP	58	145	1690235	687149	791040	1790886	914302	1222229	2131239	1141907	1644799	2471593	1367768	2067369	2811937	1592619	2489939
50S-17300-1450-OP	49	116	1683571	682946	784411	2449459	1353103	2039890	2872878	1632772	2565597	3296306	1911618	3091305	3719735	2189791	3617022
50S-18600-1100-OP	97	174	2159940	838042	918763	-	-	-	-	-	-	-	-	-	1602567	606198	606198
50S-18600-1200-OP	83	174	2156214	835652	915063	-	-	-	-	-	-	1818719	812430	874566	2108725	1014936	1234628
50S-18600-1300-OP	72	158	2152170	833068	911054	1637852	650006	650006	1978205	924781	1072567	2318550	1157978	1495137	2658903	1387061	1917707
50S-18600-1450-OP	59	128	2145506	828749	904426	2296416	1142951	1467657	2719844	1427788	1993374	3143272	1709758	2519082	3566700	1990108	3044789
65S-18400-1600-OP	50	145	2033040	809722	912267	2820716	1532404	2253502	3310502	1856544	2861603	3800287	2179507	3469696	4290073	2501762	4077797
65S-18400-1700-OP	45	116	2027969	806501	907231	3321237	1863633	2874923	3874158	2228147	3561408	4427080	2591767	4247894	4980001	2955015	4934379
65S-18400-1800-OP	41	116	2022597	803093	901895	3852086	2213615	3534000	4471967	2621255	4303631	5091856	3028497	5073254	-	-	-
65S-19400-1600-OP	58	145	2420404	973235	1107498	2606369	1329137	1773646	3096155	1656773	2381747	3585940	1981851	2989840	4075726	2305478	3597941
65S-19400-1700-OP	52	131	2415333	970040	1102462	3106881	1663915	2395067	3659802	2030765	3081552	4212724	2395792	3768038	4765645	2759926	4454524
65S-19400-1800-OP	48	116	2409961	966650	1097126	3637731	2016172	3054144	4257620	2425360	3823775	4877501	2833469	4593398	5497390	3240711	5363020
80S-18700-1800-OP	41	102	2446795	761038	761038	5049314	2837319	4385963	5810583	3339158	5331116	6571842	3839882	6276270	-	-	-
80S-19700-1800-OP	48	102	2996424	1021157	1021157	4760539	2559261	3705097	5521807	3064197	4650250	6283066	3566886	5595404	-	-	-

- NOTES:**
- Hold pressure: the minimum pressure to operate the actuator
 - MOP: Maximum Operating Pressure
 - BTC: Break to Close
 - RTC: Run to Close
 - ETC: End to Close
 - BTO: Break to Open
 - RTO: Run to Open
 - ETO: End to Open

						Operating supply pressure (psi)								
						120			150			174		
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
18S-9600-835-OP	66	174	628412	257508	303555	922267	527540	825475	1240416	739860	1231628	1494933	909594	1556547
18S-9600-935-OP	55	141	626182	256146	301404	1243381	741834	1235416	-	-	-	-	-	-
18S-9600-1000-OP	49	125	624606	255172	299882	1471560	894009	1526714	-	-	-	-	-	-
18S-9600-1100-OP	42	102	621969	253553	297333	-	-	-	-	-	-	-	-	-
18S-9600-1200-OP	36	80	619075	251774	294546	-	-	-	-	-	-	-	-	-
18S-9600-1300-OP	32	73	615942	249853	291519	-	-	-	-	-	-	-	-	-
18S-9800-835-OP	82	174	799686	324335	378355	838422	443358	613305	1156571	657573	1019458	1411088	827581	1344377
18S-9800-935-OP	67	152	797465	322963	376205	1159536	659555	1023246	1558450	925852	1532501	-	-	-
18S-9800-1000-OP	60	133	795881	321990	374682	1387715	811988	1314544	-	-	-	-	-	-
18S-9800-1100-OP	51	110	793243	320352	372134	-	-	-	-	-	-	-	-	-
18S-9800-1200-OP	44	93	790358	318565	369346	-	-	-	-	-	-	-	-	-
18S-9800-1300-OP	39	78	787216	316626	366319	-	-	-	-	-	-	-	-	-
18S-10500-935-OP	77	158	932206	379656	444783	1084709	590667	856326	1483632	858193	1365582	-	-	-
18S-10500-1000-OP	68	138	930631	378692	443261	1312898	744002	1147624	-	-	-	-	-	-
18S-10500-1100-OP	58	113	927993	377072	440712	-	-	-	-	-	-	-	-	-
18S-10500-1200-OP	50	96	925099	375293	437925	-	-	-	-	-	-	-	-	-
18S-10500-1300-OP	44	80	921958	373364	434898	-	-	-	-	-	-	-	-	-
18S-11000-935-OP	85	20	1046787	449509	555408	973527	515415	714381	1372440	783836	1223636	-	-	-
18S-11000-1000-OP	76	145	1045212	448553	553877	1201706	669405	1005679	-	-	-	-	-	-
18S-11000-1100-OP	64	120	1042574	446960	551337	1582690	924285	1492039	-	-	-	-	-	-
18S-11000-1200-OP	55	100	1039680	445208	548550	-	-	-	-	-	-	-	-	-
18S-11000-1300-OP	48	80	1036547	443305	545514	-	-	-	-	-	-	-	-	-
32S-9900-1100-OP	52	158	962623	369178	401392	2134965	1249116	2041385	-	-	-	-	-	-
32S-9900-1200-OP	45	132	959269	367018	398082	2630804	1575778	2660239	-	-	-	-	-	-
32S-9900-1300-OP	40	113	955623	364664	394480	-	-	-	-	-	-	-	-	-
32S-12000-1100-OP	62	158	1177413	472794	538983	1989542	1131499	1775310	2645637	1564193	2594192	-	-	-
32S-12000-1200-OP	54	132	1174059	470678	535673	2485372	1458613	2394164	-	-	-	-	-	-
32S-12000-1300-OP	47	113	1170413	468395	532071	-	-	-	-	-	-	-	-	-
32S-15000-1100-OP	71	164	1373139	573489	681229	1841685	1018325	1532855	2497780	1452152	2351737	-	-	-
32S-15000-1200-OP	61	138	1369776	571409	677910	2337515	1346395	2151718	-	-	-	-	-	-
32S-15000-1300-OP	53	117	1366130	569152	674308	-	-	-	-	-	-	-	-	-

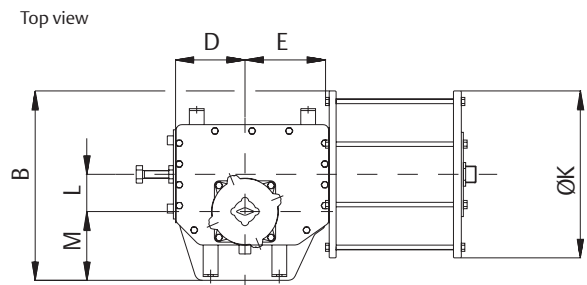
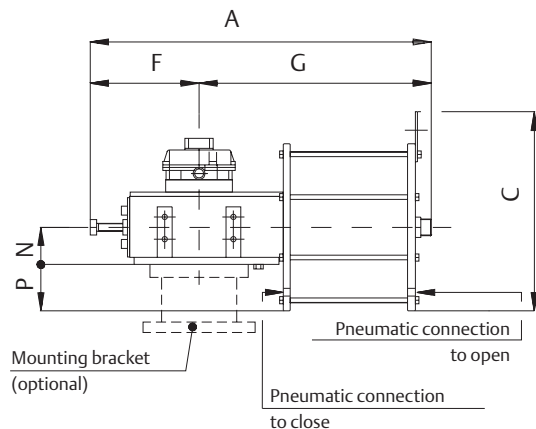
Model	Hold pressure (psi)	MOP (psi)	BTO	RTO	ETO	Operating supply pressure (psi)								
						120			150			174		
						BTC	RTC	ETC	BTC	RTC	ETC	BTC	RTC	ETC
50S-15400-1100-OP	70	174	1483534	578409	637359	2166427	1181227	1746654	2897481	1664030	2654301	3482325	2048571	3380417
50S-15400-1200-OP	60	162	1479817	576029	633669	2718906	1546431	2432591	3588923	2118602	3512769	-	-	-
50S-15400-1300-OP	52	138	1475773	573436	629660	3319431	1941557	3178185	-	-	-	-	-	-
50S-15400-1450-OP	44	112	1469100	569170	623031	-	-	-	-	-	-	-	-	-
50S-15600-1100-OP	72	174	1552635	622394	705956	2097477	1135482	1661057	2828531	1618630	2568704	3413374	2003277	3294820
50S-15600-1200-OP	62	165	1548909	620058	702265	2649964	1501004	2346993	3519981	2073307	3427171	-	-	-
50S-15600-1300-OP	54	141	1544865	617491	698247	3250490	1896272	3092588	-	-	-	-	-	-
50S-15600-1450-OP	45	113	1538201	613252	691628	-	-	-	-	-	-	-	-	-
50S-17300-1100-OP	78	174	1698005	692043	798739	1999286	1053947	1480968	2730340	1538723	2388624	3315183	1924017	3114740
50S-17300-1200-OP	67	170	1694279	689698	795049	2551765	1420779	2166914	3421782	1994047	3247092	-	-	-
50S-17300-1300-OP	58	145	1690235	687149	791040	3152290	1816790	2912508	-	-	-	-	-	-
50S-17300-1450-OP	49	116	1683571	682946	784411	-	-	-	-	-	-	-	-	-
50S-18600-1100-OP	97	174	2159940	838042	918763	1846252	832050	908745	2577306	1332332	1816392	3162149	1722272	2542508
50S-18600-1200-OP	83	174	2156214	835652	915063	2398731	1212167	1594690	3268748	1792913	2674868	3964756	2252900	3539009
50S-18600-1300-OP	72	158	2152170	833068	911054	2999256	1614045	2340276	-	-	-	-	-	-
50S-18600-1450-OP	59	128	2145506	828749	904426	-	-	-	-	-	-	-	-	-
65S-18400-1600-OP	50	145	2033040	809722	912267	4779858	2823531	4685898	-	-	-	-	-	-
65S-18400-1700-OP	45	116	2027969	806501	907231	5532923	3318263	5620865	-	-	-	-	-	-
65S-18400-1800-OP	41	116	2022597	803093	901895	-	-	-	-	-	-	-	-	-
65S-19400-1600-OP	58	145	2420404	973235	1107498	4565511	2628123	4206042	-	-	-	-	-	-
65S-19400-1700-OP	52	131	2415333	970040	1102462	5318567	3123236	5141009	-	-	-	-	-	-
65S-19400-1800-OP	48	116	2409961	966650	1097126	-	-	-	-	-	-	-	-	-
80S-18700-1800-OP	41	102	2446795	761038	761038	-	-	-	-	-	-	-	-	-
80S-19700-1800-OP	48	102	2996424	1021157	1021157	-	-	-	-	-	-	-	-	-

NOTES:

- Hold pressure: the minimum pressure to operate the actuator
- MOP: Maximum Operating Pressure
- BTC: Break to Close
- RTC: Run to Close
- ETC: End to Close
- BTO: Break to Open
- RTO: Run to Open
- ETO: End to Open

ALGA Double-Acting Pneumatic Actuator

Overall Dimensions - Single Cylinder



Dimensions (in.)

Model	A	B	C	D	E	F	G	ØK	L	M	N	P	Pneumatic connection*		Weight (lb)	Air consumption (cu in.)
													Close	Open		
0.3-100	29.0	12.4	7.0	5.3	5.9	8.6	20.4	4.7	2.7	4.6	2.7	-0.4	1/4	1/4	108	98
0.3-135	29.1	12.4	8.2	5.3	5.9	8.6	20.4	6.0	2.7	4.6	2.7	0.8	1/4	1/4	117	177
0.3-175	29.3	12.4	9.6	5.3	5.9	8.6	20.7	7.8	2.7	4.6	2.7	1.1	1/4	1/2	141	293
0.3-235	30.5	12.4	11.8	5.3	5.9	8.6	22.0	10.1	2.7	4.6	2.7	2.3	1/2	1/2	180	549
0.9-235	33.0	16.1	11.8	6.2	7.4	9.6	23.5	10.1	3.1	6.6	3.2	1.9	1/2	1/2	207	549
0.9-280	33.3	16.5	14.1	6.2	7.4	9.6	23.8	13.5	3.1	6.6	3.2	3.5	1/2	3/4	273	854
1.5-280	38.7	18.3	14.1	7.3	8.9	12.1	26.6	13.5	3.9	7.2	3.9	2.8	1/2	3/4	365	976
1.5-335	38.6	18.9	18.6	7.3	8.9	12.1	26.5	15.6	3.9	7.2	3.9	3.9	1/2	1	427	1403
1.5-385	38.7	19.9	20.9	7.3	8.9	12.1	26.6	17.6	3.9	7.2	3.9	4.9	1/2	1	499	1892
3-335	51.2	22.9	18.6	11.1	12.9	15.2	35.9	15.6	6.2	8.4	4.1	3.7	1/2	1	583	2197
3-385	51.3	23.4	20.9	11.1	12.9	15.2	36.0	17.6	6.2	8.4	4.1	4.7	1/2	1	678	2868
3-435	51.3	24.4	22.6	11.1	12.9	15.2	36.1	19.5	6.2	8.4	4.1	5.5	3/4	1	814	3661
3-485	51.5	25.5	24.9	11.1	12.9	15.2	36.3	21.8	6.2	8.4	4.1	6.8	3/4	1	854	4515
6-485	58.4	28.9	24.9	12.8	14.8	16.8	41.6	21.8	7.2	10.1	5.5	5.5	3/4	1	1126	5187
6-535	58.8	29.4	27.5	12.8	14.8	16.8	42.0	26.1	7.2	10.1	5.5	6.6	3/4	1	1452	6346
6-585	58.7	30.4	29.6	12.8	14.8	16.8	41.9	26.1	7.2	10.1	5.5	7.6	3/4	1	1549	7566
14-635	65.4	33.3	31.6	14.7	17.0	19.4	46.0	28.1	7.8	11.5	7.5	6.5	1	1	2750	9702
14-735	70.6	35.2	35.6	14.7	17.0	19.4	51.2	31.8	7.8	11.5	7.5	8.5	1	1	3245	12997
18-635	75.2	36.7	31.7	16.6	19.2	21.3	53.9	28.5	9.0	13.3	7.5	6.7	1	1	1758	11228
18-685	76.1	37.2	34.7	16.6	19.2	21.3	54.8	30.0	9.0	13.3	7.5	7.5	1	1	3410	12692
18-735	76.2	38.2	35.6	16.6	19.2	21.3	55.0	32.0	9.0	13.3	7.5	8.5	1	1	3630	14584
32-685	86.2	41.1	34.7	19.7	21.7	24.2	62.0	30.0	10.5	15.4	9.1	6.0	1	1	4411	14889
32-735	84.0	41.9	35.5	19.7	21.6	24.2	59.8	32.0	10.5	15.4	9.1	6.9	1	1	4741	17574
32-835	86.7	41.9	43.9	19.7	21.7	24.2	62.5	36.1	10.5	15.4	9.1	9.0	1	1	5092	22699

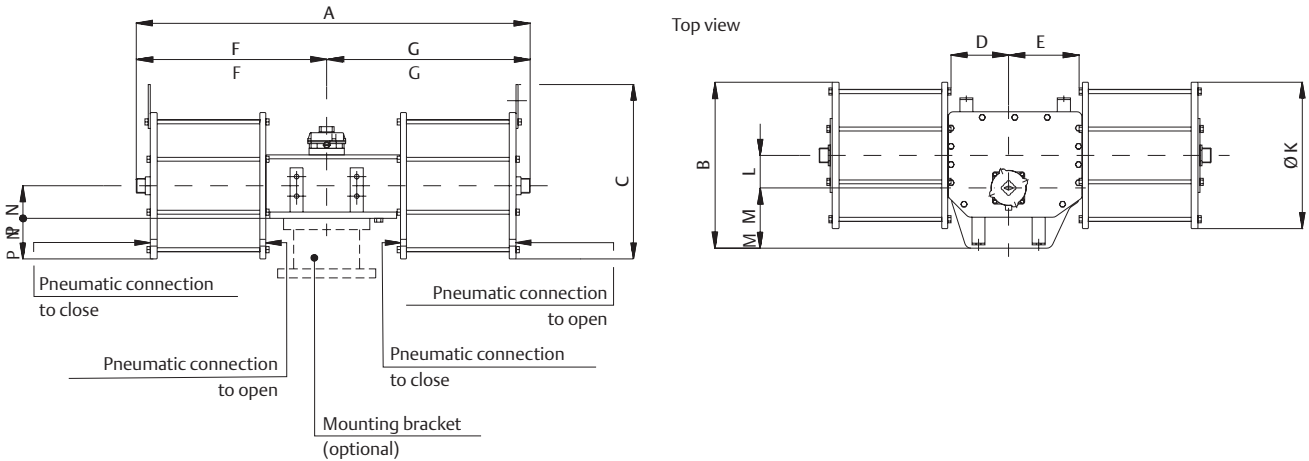
Dimensions (in.)

Model	A	B	C	D	E	F	G	ØK	L	M	N	P	Pneumatic connection *		Weight (lb)	Air consumption (cu in.)
													Close	Open		
50-935	97.9	47.4	46.0	21.5	24.7	27.0	70.8	41.1	11.7	15.1	9.1	11.5	1	1	6336	31730
50-1000	97.1	49.9	49.3	21.5	24.7	27.0	70.1	43.7	11.7	16.4	9.1	12.8	1	1	6820	36612
50-1100	97.1	50.6	53.3	21.5	23.1	27.0	70.1	47.6	11.7	15.1	9.1	14.7	1	1	7601	44545
80-935	112.1	52.7	46.0	25.9	29.7	31.5	84.0	42.9	13.7	17.7	11.8	9.7	1	1	8481	37222
80-1000	112.1	52.7	49.4	25.9	29.7	31.5	81.5	46.0	13.7	17.7	11.8	11.2	1	1	9141	42714
80-1100	113.1	55.0	53.2	25.9	29.7	31.5	81.5	47.6	13.7	17.6	11.8	12.0	1	1	9398	51257
80-1200	112.2	52.7	57.1	25.9	29.7	31.5	80.8	53.8	13.7	17.7	11.8	15.1	1	1	10461	61020

NOTE:
* Pneumatic connection NPT (in.)

ALGA Double-Acting Pneumatic Actuator

Overall Dimensions - Two Cylinders



Dimensions (in.)

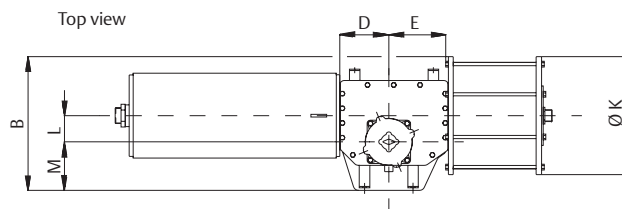
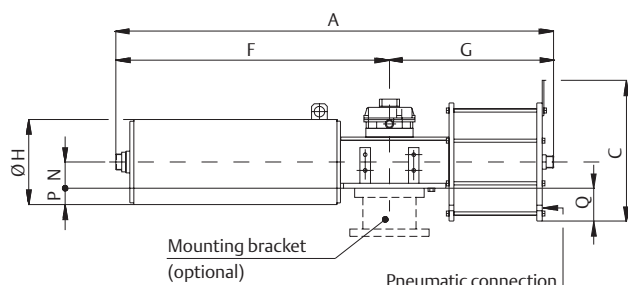
Model	A	B	C	D	E	F	G	ØK	L	M	N	P	Pneumatic connection*		Weight (lb)	Air consumption (cu in.)
													Close	Open		
18#2-635	105.1	36.7	31.7	16.6	19.2	51.2	53.9	28.5	9.0	13.3	7.5	6.7	1	1	2823	21784
18#2-685	107.0	37.2	34.7	16.6	19.2	52.2	54.8	30.0	9.0	13.3	7.5	7.5	1	1	4488	25384
32#2-685	120.9	41.1	34.7	19.7	21.7	58.9	62.0	30.0	10.5	15.4	9.1	6.0	1	1	5610	29717
50#2-935	138.5	47.4	46.0	21.5	24.7	67.6	70.8	41.1	11.7	15.1	9.1	11.5	1	1	9702	63461
50#2-1000	136.9	48.6	49.3	21.5	24.7	66.8	70.1	43.7	11.7	15.1	9.1	12.8	1	1	9002	73224
80#2-935	165.1	52.7	46.0	25.9	29.7	80.7	84.5	41.1	13.7	17.6	11.8	8.8	1	1	11341	74444
80#2-1000	162.9	53.0	49.3	25.9	29.7	79.6	83.4	43.7	13.7	17.6	11.8	10.1	1	1	12661	85428
80#2-1100	159.3	55.0	53.2	25.9	29.7	77.7	81.5	47.6	13.7	17.6	11.8	12.0	1	1	13614	102514
80#2-1200	159.3	56.9	57.1	25.9	29.7	77.7	81.5	51.5	13.7	17.6	11.8	14.0	1	1	15259	122040

NOTE:

* Pneumatic connection NPT (in.)

ALGAS Spring-Return Pneumatic Actuator

Overall Dimensions - Spring to Close, Models 0.3-008A-100-CL to 0.9-0700-485-CL



Dimensions (in.)

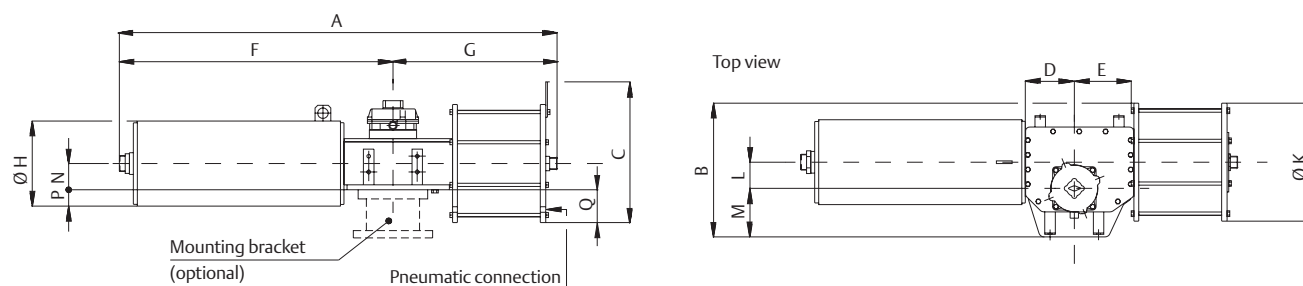
Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
0.3-008A-100-CL	48.3	12.4	7.8	5.3	5.9	28.5	19.9	5.9	4.7	2.7	4.6	2.7	0.2	-0.4	1/4	191	98.0
0.3-008A-135-CL	48.3	12.4	8.7	5.3	5.9	28.5	19.9	5.9	6.0	2.7	4.6	2.7	0.2	0.8	1/4	200	177.0
0.3-008B-100-CL	48.3	12.4	7.8	5.3	5.9	28.5	19.9	5.9	4.7	2.7	4.6	2.7	0.2	-0.4	1/4	191	98.0
0.3-008B-135-CL	48.3	12.4	8.7	5.3	5.9	28.5	19.9	5.9	6.0	2.7	4.6	2.7	0.2	0.8	1/4	200	177.0
0.3-008C-100-CL	48.3	12.4	7.8	5.3	5.9	28.5	19.9	5.9	4.7	2.7	4.6	2.7	0.2	-0.4	1/4	191	98.0
0.3-008C-135-CL	48.3	12.4	8.7	5.3	5.9	28.5	19.9	5.9	6.0	2.7	4.6	2.7	0.2	0.8	1/4	200	177.0
0.3-008C-175-CL	48.9	12.3	9.9	5.4	5.9	28.1	20.9	5.9	7.8	2.8	4.8	2.7	0.6	1.3	1/2	202	292.9
0.3-0100-135-CL	52.3	12.4	10.9	5.3	5.9	32.4	19.9	8.7	6.0	2.7	4.6	2.7	1.6	0.8	1/4	202	177.0
0.3-0100-175-CL	52.5	12.4	10.9	5.3	5.9	32.4	20.1	8.7	7.8	2.7	4.6	2.7	1.6	1.2	1/2	224	293.0
0.3-0100-235-CL	53.7	12.4	11.9	5.3	5.9	32.4	21.4	8.7	10.1	2.7	4.6	2.7	1.6	2.3	1/2	260	549.0
0.3-0150-175-CL	50.4	12.4	11.0	5.3	5.9	30.3	20.1	8.7	7.8	2.7	4.6	2.7	1.6	1.2	1/2	224	293.0
0.3-0150-235-CL	51.7	12.4	11.8	5.3	5.9	30.3	21.4	8.7	10.1	2.7	4.6	2.7	1.6	2.3	1/2	260	549.0
0.9-0200-235-CL	56.8	16.1	11.7	6.2	7.4	34.6	22.2	10.9	10.1	3.1	6.6	3.2	2.2	1.8	1/2	425	549.0
0.9-0200-280-CL	57.2	16.5	14.1	6.2	7.4	34.6	22.6	10.9	13.5	3.1	6.6	3.2	2.2	3.5	3/4	488	854.0
0.9-0200-335-CL	58.5	17.6	18.6	6.2	7.4	34.6	23.9	10.9	15.6	3.1	6.6	3.2	2.2	4.6	1	548	1220.0
0.9-0250-235-CL	54.1	16.1	11.7	6.2	7.4	31.8	22.3	10.9	10.1	3.1	6.6	3.2	2.2	1.9	1/2	546	549.0
0.9-0250-280-CL	54.4	16.5	14.1	6.2	7.4	31.8	22.6	10.9	13.5	3.1	6.6	3.2	2.2	3.5	3/4	568	854.0
0.9-0250-335-CL	55.7	17.6	18.6	6.2	7.4	31.8	23.9	10.9	15.6	3.1	6.6	3.2	2.2	4.6	1	590	1220.0
0.9-0350-280-CL	59.3	16.5	15.1	6.2	7.4	36.7	22.6	13.7	13.5	3.1	6.6	3.2	3.6	3.5	3/4	563	854.0
0.9-0350-335-CL	60.5	17.6	18.6	6.2	7.4	36.7	23.9	13.7	15.6	3.1	6.6	3.2	3.6	4.6	1	634	1220.0
0.9-0350-385-CL	60.7	18.5	20.9	6.2	7.4	36.7	24.0	13.7	17.6	3.1	6.6	3.2	3.6	5.6	1	706	1587.0
0.9-0350-435-CL	60.7	19.5	22.6	6.2	7.4	36.7	24.0	13.7	19.5	3.1	6.6	3.2	3.6	6.6	1	781	2014.0
0.9-0350-485-CL	60.9	21.8	25.4	6.2	7.4	36.7	24.3	13.7	21.8	3.1	7.8	3.2	3.6	8.2	1	880	2502.0
0.9-0400-280-CL	56.7	16.5	15.1	6.2	7.4	34.1	22.6	13.7	13.5	3.1	6.6	3.2	3.6	3.5	3/4	563	854.0
0.9-0400-335-CL	57.9	17.6	18.6	6.2	7.4	34.1	23.8	13.7	15.6	3.1	6.6	3.2	3.6	4.6	1	634	1220.0
0.9-0400-385-CL	58.1	18.5	20.9	6.2	7.4	34.1	24.0	13.7	17.6	3.1	6.6	3.2	3.6	5.6	1	684	1587.0
0.9-0400-435-CL	58.1	19.5	22.6	6.2	7.4	34.1	24.0	13.7	19.5	3.1	6.6	3.2	3.6	6.6	1	777	2014.0
0.9-0400-485-CL	58.1	19.5	22.8	6.2	7.4	34.1	24.0	13.7	21.8	3.1	6.6	3.2	3.6	6.6	1	854	2502.0

Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
0.9-0420-335-CL	57.8	16.9	19.0	5.7	7.5	32.4	25.4	13.8	15.5	3.2	6.4	3.8	4.7	5.3	1	717	1220.4
0.9-0420-385-CL	57.8	18.2	20.0	5.7	7.5	32.4	25.4	13.8	17.7	3.2	6.1	2.5	4.5	6.4	1	774	1586.5
0.9-0420-435-CL	57.8	19.1	23.2	5.7	7.5	32.4	25.4	13.8	19.7	3.2	6.1	2.5	4.7	8.1	1	838	2013.7
0.9-0420-485-CL	57.8	20.3	25.9	5.7	7.5	32.4	25.4	13.8	22.1	3.2	6.1	3.2	4.4	8.6	1	946	2501.8
0.9-0700-335-CL	59.0	17.6	18.6	6.2	7.4	35.1	23.9	13.7	15.6	3.1	6.6	3.2	3.6	4.6	1	684	1220.0
0.9-0700-385-CL	59.0	17.6	20.9	6.2	7.4	35.1	23.9	13.7	17.6	3.1	6.6	3.2	3.6	5.6	1	755	1587.0
0.9-0700-435-CL	59.2	19.5	22.6	6.2	7.4	35.1	24.0	13.7	19.5	3.1	6.6	3.2	3.6	6.6	1	1481	2014.0
0.9-0700-485-CL	59.4	21.8	25.0	6.2	7.4	35.1	24.3	13.7	21.8	3.1	6.6	3.2	3.6	7.7	1	920	2502.0
0.9-0720-385-CL	57.8	18.0	21.3	6.1	7.5	32.4	25.4	13.8	17.7	3.2	6.1	2.5	4.5	6.4	1	777	1586.5
0.9-0720-435-CL	57.8	19.1	23.2	5.7	7.5	32.4	25.4	13.8	19.7	3.2	6.1	2.5	4.7	8.1	1	779	2013.7
0.9-0720-485-CL	57.8	20.3	25.9	5.7	7.5	32.4	25.4	13.8	22.1	3.2	6.1	3.9	4.4	8.6	1	946	2501.8
1.5-0800-385-CL	66.0	19.5	20.6	7.4	8.9	39.1	26.9	14.6	17.7	3.9	6.9	3.9	3.4	4.9	1	1041	1891.6
1.5-0800-435-CL	66.0	20.7	23.2	7.4	8.8	39.1	26.9	14.6	19.7	3.9	6.9	3.9	3.4	5.9	1	1102	2379.8
1.5-0800-485-CL	66.0	22.0	25.8	7.4	8.8	39.1	26.9	14.6	22.1	3.9	6.9	3.9	3.4	7.2	1	1210	2929.0
1.5-0800-535-CL	67.6	23.4	28.2	7.4	8.8	39.1	28.5	14.6	24.4	3.9	7.3	3.9	3.4	8.3	1	1243	3600.2

ALGAS Spring-Return Pneumatic Actuator

Overall Dimensions - Spring to Close, Models 1.5-1100-385-CL to 14-8300-935-CL



Dimensions (in.)

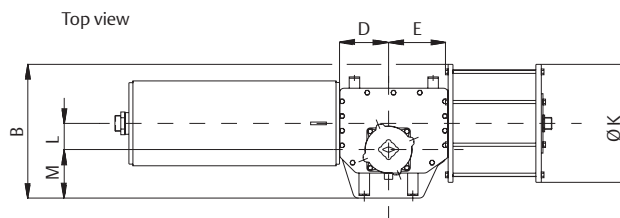
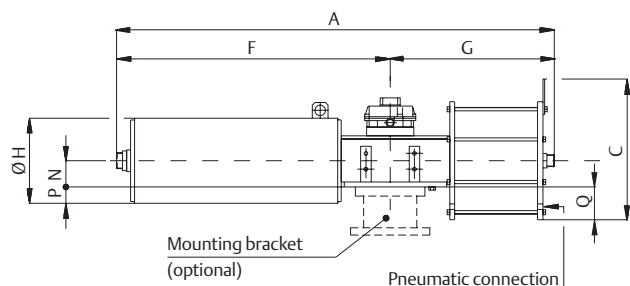
Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
1.5-1100-385-CL	65.9	19.9	20.9	7.3	8.9	40.9	25.1	15.6	17.6	3.9	7.2	3.9	3.9	4.9	1	1047	1892
1.5-1100-435-CL	65.9	20.9	22.6	7.3	8.9	40.9	25.1	15.6	19.5	3.9	7.2	3.9	3.9	5.9	1	1124	2380
1.5-1100-485-CL	66.2	22.0	24.9	7.3	8.9	40.9	25.3	15.6	21.8	3.9	7.2	3.9	3.9	7.0	1	1203	2929
1.5-1100-535-CL	66.5	24.2	27.7	7.3	8.9	40.9	25.7	15.6	24.2	3.9	7.2	3.9	3.9	8.2	1	1240	3600
1.5-1100-585-CL	66.3	26.1	29.6	7.3	8.9	40.9	25.5	15.6	26.1	3.9	7.2	3.9	3.9	9.2	1	1278	4271
1.5-1200-385-CL	68.6	19.9	20.9	7.3	8.9	43.6	25.1	12.6	17.6	3.9	7.2	3.9	2.4	4.9	1	1051	1892
1.5-1200-435-CL	68.6	20.9	22.6	7.3	8.9	43.6	25.1	12.6	19.5	3.9	7.2	3.9	2.4	5.9	1	1106	2380
1.5-1200-485-CL	68.9	22.0	24.9	7.3	8.9	43.6	25.3	12.6	21.8	3.9	7.2	3.9	2.4	7.0	1	1185	2929
1.5-1200-535-CL	69.2	24.2	27.7	7.3	8.9	43.6	25.7	12.6	24.2	3.9	7.2	3.9	2.4	8.2	1	1223	3600
1.5-1200-585-CL	69.0	26.1	29.6	7.3	8.9	43.6	25.5	12.6	26.1	3.9	7.2	3.9	2.4	9.2	1	1260	4271
3-2000-385-CL	91.8	23.4	20.9	11.1	12.9	57.5	34.3	16.2	17.6	6.2	8.4	4.1	4.0	4.7	1	1702	2868
3-2000-435-CL	91.8	24.4	22.7	11.1	12.9	57.5	34.3	16.2	19.5	6.2	8.4	4.1	4.0	5.7	1	1779	3661
3-2000-485-CL	92.0	25.5	26.3	11.1	12.9	57.5	34.5	16.2	21.8	6.2	8.4	4.1	4.0	6.8	1	1854	4515
3-2000-535-CL	92.5	26.7	27.7	11.1	12.9	57.5	35.0	16.2	24.2	6.2	8.4	4.1	4.0	8.0	1	2043	5492
3-2000-585-CL	93.5	27.7	29.6	11.1	12.9	57.5	36.0	16.2	26.1	6.2	8.4	4.1	4.0	9.0	1	2233	6590
6-2500-485-CL	116.0	28.9	25.0	12.8	14.8	76.4	39.6	14.9	21.8	7.2	10.1	5.5	2.0	5.5	1	2349	5187
6-2500-535-CL	116.4	29.4	27.5	12.8	14.8	76.4	39.9	14.9	24.2	7.2	10.1	5.5	2.0	6.6	1	2783	6346
6-2500-585-CL	116.5	30.4	29.6	12.8	14.8	76.4	40.1	14.9	26.1	7.2	10.1	5.5	2.0	7.6	1	2739	7566
6-2500-635-CL	118.1	31.4	31.6	12.8	14.8	76.4	41.8	14.9	28.1	7.2	10.1	5.5	2.0	8.6	1	2910	8909
6-2500-735-CL	118.9	33.3	35.6	12.8	14.8	76.4	42.5	14.9	31.8	7.2	10.1	5.5	2.0	10.4	2x1	3295	11960
6-3800-535-CL	125.3	29.4	27.5	12.8	14.8	85.3	40.1	20.7	24.2	7.2	10.1	5.5	4.9	6.6	1	3520	6346
6-3800-585-CL	125.2	30.4	29.6	12.8	14.8	85.3	40.0	20.7	26.1	7.2	10.1	5.5	4.9	7.6	1	3608	7566
6-3800-635-CL	127.1	31.4	31.6	12.8	14.8	85.3	41.8	20.7	28.1	7.2	10.1	5.5	4.9	8.6	1	3784	8909
6-3800-735-CL	127.8	33.3	35.6	12.8	14.8	85.3	42.5	20.7	31.8	7.2	10.1	5.5	4.9	10.5	2x1	4254	11960

Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
14-5100-635-CL	127.6	34.7	31.6	14.7	17.0	83.9	43.7	20.7	28.1	7.8	12.9	7.5	2.8	6.6	1	3982	9702
14-5100-735-CL	128.3	36.6	35.6	14.7	17.0	83.9	44.4	20.7	31.8	7.8	12.9	7.5	2.8	8.3	2 x 1	4457	12997
14-5100-785-CL	128.3	37.9	38.7	14.7	17.0	83.9	44.4	20.7	34.5	7.8	12.9	7.5	2.8	9.8	2 x 1	4457	14828
14-5100-835-CL	129.9	38.7	40.4	14.7	17.0	83.9	46.0	20.7	36.1	7.8	12.9	7.5	2.8	10.5	2 x 1	5181	16719
14-5100-885-CL	131.5	40.2	43.8	14.7	17.0	83.9	47.6	20.7	39.0	7.8	12.9	7.5	2.8	12.0	2 x 1	5401	18794
14-5100-935-CL	131.4	41.2	46.0	14.7	17.0	83.9	47.5	20.7	41.0	7.8	12.9	7.5	2.8	13.0	2 x 1	5621	20930
14-5400-635-CL	125.5	34.7	31.6	14.7	17.0	81.9	43.7	20.7	28.1	7.8	12.9	7.5	2.8	6.5	1	4213	9702
14-5400-735-CL	126.2	35.2	35.6	14.7	17.0	81.9	44.4	20.7	31.8	7.8	11.5	7.5	2.8	8.4	2 x 1	4510	12997
14-5400-785-CL	126.2	37.9	38.7	14.7	17.0	81.9	44.4	20.7	34.5	7.8	12.9	7.5	2.8	9.8	2 x 1	4972	14828
14-5400-835-CL	126.2	37.4	40.4	14.7	17.0	81.9	44.4	20.7	36.1	7.8	11.5	7.5	2.8	10.5	2 x 1	4950	16719
14-5400-885-CL	123.7	40.2	43.8	14.7	17.0	81.9	41.8	20.7	39.0	7.8	12.9	7.5	2.8	12.0	2 x 1	5401	18794
14-5400-935-CL	129.2	41.0	46.0	14.7	17.0	81.9	47.4	20.7	41.0	7.8	12.7	7.5	2.8	13.1	2 x 1	5720	20930
14-8300-735-CL	128.7	35.2	35.6	14.7	17.0	84.3	44.4	20.7	31.8	7.8	11.5	7.5	2.8	8.4	2 x 1	4620	12997
14-8300-785-CL	128.7	37.9	38.7	14.7	17.0	84.3	44.4	20.7	34.5	7.8	12.9	7.5	2.8	9.8	2 x 1	5588	14828
14-8300-835-CL	128.7	37.4	40.4	14.7	17.0	84.3	44.4	20.7	36.1	7.8	12.9	7.5	2.8	10.5	2 x 1	5060	16719
14-8300-885-CL	126.2	40.2	43.8	14.7	17.0	84.3	41.8	20.7	39.0	7.8	12.9	7.5	2.8	12.0	2 x 1	5126	18794
14-8300-935-CL	131.7	41.0	46.0	14.7	17.0	84.3	47.4	20.7	41.0	7.8	11.5	7.5	2.8	13.1	2 x 1	5830	20930

ALGAS Spring-Return Pneumatic Actuator

Overall Dimensions - Spring to Close, Models 18-9600-835-CL to 80-19700-1800-CL



Dimensions (in.)

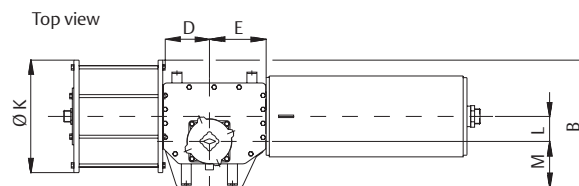
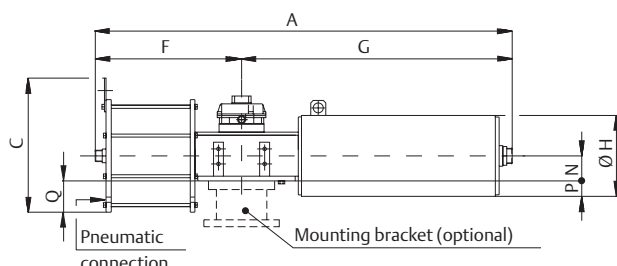
Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
18-9600-835-CL	157.2	40.3	40.4	16.7	19.3	53.5	107.8	21.8	36.1	9.0	13.3	7.6	6.9	10.4	2 x 1	7370.0	19404
18-9600-935-CL	160.2	42.8	46.0	16.7	19.3	55.0	107.8	21.8	41.1	9.0	13.3	7.6	6.9	12.9	2 x 1	8250.0	24286
18-9600-1000-CL	160.3	44.7	49.3	16.6	19.2	55.1	107.8	21.8	43.7	9.0	13.8	7.5	6.9	14.3	2 x 1	8786.8	27825
18-9600-1100-CL	160.2	47.4	53.2	16.7	19.3	55.1	107.8	21.8	47.6	9.0	13.3	7.6	6.9	16.1	2 x 1	9570.0	33683
18-9600-1200-CL	159.4	51.5	57.1	16.6	19.2	53.5	107.8	21.8	51.5	9.0	13.3	7.5	6.9	18.2	2 x 1	9680.0	40273
18-9600-1300-CL	161.9	55.4	61.4	16.6	19.2	56.3	107.8	21.8	55.4	9.0	13.3	7.5	6.9	20.2	2 x 1	12452.0	46985
18-9800-835-CL	156.8	40.3	40.4	16.7	19.3	53.6	107.4	21.8	36.1	9.0	13.3	7.6	6.9	10.4	2 x 1	8140.0	19404
18-9800-935-CL	159.8	42.8	46.0	16.7	19.3	55.0	107.4	21.8	41.1	9.0	13.3	7.6	6.9	12.9	2 x 1	9020.0	24286
18-9800-1000-CL	159.9	44.7	49.3	16.7	19.3	55.1	107.4	21.8	43.7	9.0	13.8	7.5	6.9	14.3	2 x 1	9218.0	27825
18-9800-1100-CL	159.8	47.4	53.2	16.7	19.3	55.1	107.4	21.8	47.6	9.0	13.3	7.6	6.9	16.1	2 x 1	10340.0	33683
18-9800-1200-CL	159.0	51.5	57.1	16.7	19.3	54.4	107.4	21.8	51.5	9.0	13.3	7.6	6.9	18.2	2 x 1	11176.0	40273
18-9800-1300-CL	161.5	55.4	61.4	16.7	19.3	56.4	107.4	21.8	55.4	9.0	13.3	7.5	6.9	20.2	2 x 1	12804.0	46985
18-10500-935-CL	163.1	42.8	46.0	16.7	19.3	54.9	110.8	26.1	41.1	9.0	13.3	7.6	9.0	12.9	2 x 1	10527.0	24286
18-10500-1000-CL	163.2	44.7	49.3	16.7	19.3	55.2	110.6	26.1	43.7	9.0	13.8	7.5	9.0	14.3	2 x 1	11057.2	27825
18-10500-1100-CL	163.1	47.4	53.2	16.7	19.3	55.0	110.8	26.1	47.6	9.0	13.3	7.6	9.0	16.1	2 x 1	10450.0	33683
18-10500-1200-CL	162.3	48.6	57.1	16.7	19.3	53.5	110.6	26.1	51.5	9.0	13.8	7.5	9.0	18.2	2 x 1	11827.2	40273
18-10500-1300-CL	164.8	55.4	61.4	16.7	19.3	56.8	110.6	26.1	55.4	9.0	13.3	7.6	9.0	20.0	2 x 1	11827.2	46985
18-11000-935-CL	158.5	42.8	46.0	16.7	19.3	55.0	106.2	26.1	41.1	9.0	13.3	7.6	9.0	12.9	2 x 1	9020.0	24286
18-11000-1000-CL	158.7	44.7	49.3	16.7	19.3	55.2	106.1	26.1	43.7	9.0	13.8	7.5	9.0	14.3	2 x 1	10340.0	27825
18-11000-1100-CL	158.5	47.4	53.2	16.7	19.3	55.0	106.2	26.1	47.6	9.0	13.3	7.6	9.0	16.1	2 x 1	10340.0	33683
18-11000-1200-CL	157.9	51.5	57.1	16.7	19.3	54.4	106.2	26.1	51.5	9.0	13.3	7.6	9.0	18.1	2 x 1	9020.0	40273
18-11000-1300-CL	160.3	50.5	61.4	16.7	19.3	56.8	106.1	26.1	55.4	9.0	13.8	7.5	9.0	20.2	2 x 1	14234.0	46985
32-12000-1100-CL	176.5	50.6	53.2	19.7	22.8	63.8	115.8	31.2	47.4	10.5	16.4	9.2	9.9	14.6	2 x 1	13868.8	39663
32-12000-1200-CL	175.7	52.7	57.1	19.7	22.8	63.1	115.8	31.2	51.5	10.5	16.4	9.2	9.9	16.5	2 x 1	15065.6	47229
32-12000-1300-CL	177.8	54.6	61.4	19.7	22.8	65.1	115.8	31.2	55.4	10.5	16.4	9.2	9.9	18.5	2 x 1	15752.0	55528
32-15000-1100-CL	177.3	50.6	53.2	19.7	22.8	64.7	116.6	31.2	47.6	10.5	16.4	9.2	9.9	14.6	2 x 1	14445.2	39663
32-15000-1200-CL	176.5	52.7	57.1	19.7	22.8	63.1	116.6	31.2	51.5	10.5	16.4	9.2	9.9	16.5	2 x 1	15268.0	47229
32-15000-1300-CL	178.5	55.4	61.4	19.7	22.8	65.1	116.6	31.2	55.4	10.5	16.4	9.2	9.9	18.5	2 x 1	16280.0	55528

Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
50-15400-1100-CL	185.6	50.5	53.2	21.4	24.7	69.6	121.4	31.2	47.6	11.7	15.1	9.1	10.0	14.7	2 x 1	14302.2	43934
50-15400-1200-CL	187.4	52.5	57.1	21.4	24.7	64.9	121.4	31.2	51.5	11.7	15.1	9.1	10.0	16.7	2 x 1	15125.0	52477
50-15400-1300-CL	191.8	54.5	61.4	21.4	24.7	73.4	121.4	31.2	55.4	11.7	15.1	9.1	10.0	18.6	2 x 1	16803.6	61630
50-15400-1450-CL	187.4	58.0	70.4	21.4	24.7	69.4	121.4	31.2	62.4	11.7	15.1	9.1	10.0	22.1	2 x 1	16896.0	76641
50-15600-1100-CL	185.6	50.6	53.2	21.4	24.7	69.6	121.4	31.2	47.6	11.7	15.1	9.1	10.0	14.7	2 x 1	14328.6	43934
50-15600-1200-CL	187.4	52.5	57.1	21.4	24.7	64.9	121.4	31.2	55.4	11.7	15.1	9.1	10.0	16.7	2 x 1	15151.4	52477
50-15600-1300-CL	191.8	54.5	61.4	21.4	24.7	65.4	121.4	31.2	55.4	11.7	15.1	9.1	10.0	18.6	2 x 1	16830.0	61630
50-15600-1450-CL	187.4	58.0	70.4	21.4	24.7	69.5	121.4	31.2	62.4	11.7	15.1	9.1	10.0	22.1	2 x 1	16852.0	76641
65-18400-1600-CL	204.5	64.1	78.2	24.6	26.9	127.7	78.0	34.1	67.9	11.2	17.9	12.3	5.1	22.7	2 x 1	21395.0	90310
65-18400-1700-CL	205.7	66.1	85.2	24.6	26.9	126.9	78.0	34.1	74.7	11.2	17.9	12.3	5.2	25.4	2 x 1	23773.2	101903
65-18400-1800-CL	205.7	67.7	84.1	24.6	26.9	127.7	78.0	34.1	77.2	11.2	17.9	11.9	5.2	26.7	2 x 1	26149.2	114413
65-19400-1600-CL	205.7	64.1	78.2	24.6	26.9	132.2	76.8	34.1	67.9	11.2	17.9	12.3	5.1	22.7	2 x 1	21439.0	90310
65-19400-1700-CL	210.2	66.1	85.2	24.6	26.9	132.2	77.9	34.1	74.7	11.2	17.9	12.3	5.2	25.4	2 x 1	23821.6	101903
65-19400-1800-CL	210.2	67.7	84.1	24.6	26.9	132.2	76.8	34.1	77.2	11.2	17.9	11.9	5.2	26.7	2 x 1	26202.0	114413
80-18700-1800-CL	218.7	76.4	85.8	25.9	29.2	89.2	129.5	33.5	76.3	13.7	17.0	13.1	8.6	26.4	2 x 1	29040.0	137295
80-19700-1800-CL	223.2	76.4	85.8	25.9	29.2	89.2	134.0	33.5	76.3	13.7	17.0	13.1	9.7	26.4	2 x 1	29700.0	137295

ALGAS Spring-Return Pneumatic Actuator

Overall Dimensions - Spring to Open, Models 0.3-008A-100-OP to 0.9-0700-485-OP



Dimensions (in.)

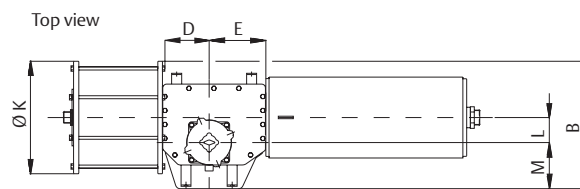
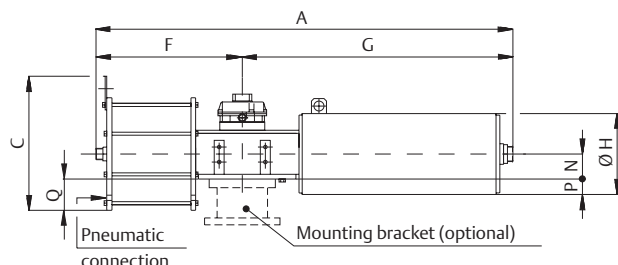
Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
0.3-008A-100-OP	48.8	12.6	7.9	5.4	5.9	20.1	28.7	5.9	4.7	2.8	4.7	2.8	0.2	-0.4	1/4	192	98.0
0.3-008A-135-OP	48.8	12.6	8.7	5.4	5.9	20.1	28.7	5.9	6.1	2.8	4.7	2.8	0.2	0.8	1/4	201	177.0
0.3-008B-100-OP	48.8	12.6	7.9	5.4	5.9	20.1	28.7	5.9	4.7	2.8	4.7	2.8	0.2	-0.4	1/4	192	98.0
0.3-008B-135-OP	48.8	12.6	8.7	5.4	5.9	20.1	28.7	5.9	6.1	2.8	4.7	2.8	0.2	0.8	1/4	201	177.0
0.3-008C-100-OP	48.8	12.6	7.9	5.4	5.9	20.1	28.7	5.9	4.7	2.8	4.7	2.8	0.2	-0.4	1/4	192	98.0
0.3-008C-135-OP	48.8	12.6	8.7	5.4	5.9	20.1	28.7	5.9	6.1	2.8	4.7	2.8	0.2	0.8	1/4	201	177.0
0.3-008C-175-OP	48.9	12.3	9.9	5.4	5.9	20.9	28.1	5.9	7.8	2.8	4.8	2.7	0.6	1.3	1/2	202	292.9
0.3-0100-135-OP	52.8	12.6	11.0	5.4	5.9	20.1	32.7	8.8	6.1	2.8	4.7	2.8	1.7	0.8	1/4	203	177.0
0.3-0100-175-OP	53.0	12.6	11.0	5.4	5.9	20.3	32.7	8.8	7.9	2.8	4.7	2.8	1.7	1.2	1/2	225	293.0
0.3-0100-235-OP	54.3	12.6	12.0	5.4	5.9	21.6	32.7	8.8	10.2	2.8	4.7	2.8	1.7	2.4	1/2	260	549.0
0.3-0150-175-OP	50.9	12.6	11.1	5.4	5.9	20.3	30.6	8.8	7.9	2.8	4.7	2.8	1.7	1.2	1/2	225	293.0
0.3-0150-235-OP	52.2	12.6	11.9	5.4	5.9	21.6	30.6	8.8	10.2	2.8	4.7	2.8	1.7	2.4	1/2	260	549.0
0.9-0200-235-OP	57.3	16.3	11.9	6.3	7.5	22.4	34.9	11.0	10.2	3.1	6.7	3.3	2.2	1.9	1/2	425	549.0
0.9-0200-280-OP	57.8	16.7	14.2	6.3	7.5	22.8	34.9	11.0	13.6	3.1	6.7	3.3	2.2	3.5	3/4	489	854.0
0.9-0200-335-OP	59.1	17.7	18.8	6.3	7.5	24.1	34.9	11.0	15.7	3.1	6.7	3.3	2.2	4.6	1	549	1220.0
0.9-0250-235-OP	54.6	16.3	11.9	6.3	7.5	22.5	32.1	11.0	10.2	3.1	6.7	3.3	2.2	1.9	1/2	547	549.0
0.9-0250-280-OP	55.0	16.7	14.2	6.3	7.5	22.8	32.1	11.0	13.6	3.1	6.7	3.3	2.2	3.5	3/4	569	854.0
0.9-0250-335-OP	56.3	17.7	18.8	6.3	7.5	24.1	32.1	11.0	15.7	3.1	6.7	3.3	2.2	4.6	1	591	1220.0
0.9-0350-280-OP	59.8	16.7	15.2	6.3	7.5	22.8	37.0	13.8	13.6	3.1	6.7	3.3	3.7	3.5	3/4	564	854.0
0.9-0350-335-OP	61.1	17.7	18.8	6.3	7.5	24.1	37.0	13.8	15.7	3.1	6.7	3.3	3.7	4.6	1	635	1220.0
0.9-0350-385-OP	61.3	18.7	21.1	6.3	7.5	24.3	37.0	13.8	17.7	3.1	6.7	3.3	3.7	5.6	1	708	1587.0
0.9-0350-435-OP	61.3	19.7	22.8	6.3	7.5	24.3	37.0	13.8	19.7	3.1	6.7	3.3	3.7	6.6	1	783	2014.0
0.9-0350-485-OP	61.5	22.0	25.7	6.3	7.5	24.5	37.0	13.8	22.0	3.1	7.9	3.3	3.7	8.3	1	882	2502.0
0.9-0400-280-OP	57.2	16.7	15.2	6.3	7.5	22.8	34.4	13.8	13.6	3.1	6.7	3.3	3.7	3.5	3/4	564	854.0
0.9-0400-335-OP	58.4	17.7	18.8	6.3	7.5	24.0	34.4	13.8	15.7	3.1	6.7	3.3	3.7	4.6	1	635	1220.0
0.9-0400-385-OP	58.7	18.7	21.1	6.3	7.5	24.3	34.4	13.8	17.7	3.1	6.7	3.3	3.7	5.6	1	686	1587.0
0.9-0400-435-OP	58.7	19.7	22.8	6.3	7.5	24.3	34.4	13.8	19.7	3.1	6.7	3.3	3.7	6.6	1	778	2014.0
0.9-0400-485-OP	58.7	19.7	23.0	6.3	7.5	24.3	34.4	13.8	22.0	3.1	6.7	3.3	3.7	6.6	1	855	2502.0

Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
0.9-0420-335-OP	57.8	16.9	19.0	5.7	7.5	25.4	32.4	13.8	15.5	3.2	6.4	3.8	4.7	5.3	1	717	1220.4
0.9-0420-385-OP	57.8	18.2	20.0	5.7	7.5	25.4	32.4	13.8	17.7	3.2	6.1	4.5	2.5	6.4	1	774	1586.5
0.9-0420-435-OP	57.8	19.1	23.2	5.7	7.5	25.4	32.4	13.8	19.7	3.2	6.1	4.7	4.7	8.1	1	838	2013.7
0.9-0420-485-OP	57.8	20.3	25.9	5.7	7.5	25.4	32.4	13.8	22.1	3.2	6.1	3.2	4.4	8.6	1	946	2501.8
0.9-0700-335-OP	59.6	17.7	18.8	6.3	7.5	24.1	35.5	13.8	15.7	3.1	6.7	3.3	3.7	4.6	1	686	1220.0
0.9-0700-385-OP	59.6	17.7	21.1	6.3	7.5	24.1	35.5	13.8	17.7	3.1	6.7	3.3	3.7	5.6	1	756	1587.0
0.9-0700-435-OP	59.7	19.7	22.8	6.3	7.5	24.3	35.5	13.8	19.7	3.1	6.7	3.3	3.7	6.6	1	1484	2014.0
0.9-0700-485-OP	60.0	22.0	25.2	6.3	7.5	24.5	35.5	13.8	22.0	3.1	6.7	3.3	3.7	7.8	1	922	2502.0
0.9-0720-385-OP	57.8	18.0	21.3	6.1	7.5	25.4	32.4	13.8	17.7	3.2	6.1	2.5	4.5	6.4	1	777	1586.5
0.9-0720-435-OP	57.8	19.1	23.2	5.7	7.5	25.4	32.4	13.8	19.7	3.2	6.1	2.5	4.7	8.1	1	779	2013.7
0.9-0720-485-OP	57.8	20.3	25.9	5.7	7.5	25.4	32.4	13.8	22.1	3.2	6.1	3.9	4.4	8.6	1	946	2501.8
1.5-0800-385-OP	66.0	19.5	20.6	7.4	8.9	26.9	39.1	14.6	17.7	3.9	6.9	3.9	3.4	4.9	1	1041	1891.6
1.5-0800-435-OP	66.0	20.7	23.2	7.4	8.8	26.9	39.1	14.6	19.7	3.9	6.9	3.9	3.4	5.9	1	1102	2379.8
1.5-0800-485-OP	66.0	22.0	25.8	7.4	8.8	26.9	39.1	14.6	22.1	3.9	6.9	3.9	3.4	7.2	1	1210	2929.0
1.5-0800-535-OP	67.6	23.4	28.2	7.4	8.8	28.5	39.1	14.6	24.4	3.9	7.3	3.9	3.4	8.3	1	1243	3600.2

ALGAS Spring-Return Pneumatic Actuator

Overall Dimensions - Spring to Open, Models 1.5-1100-385-OP to 14-8300-935-OP



Dimensions (in.)

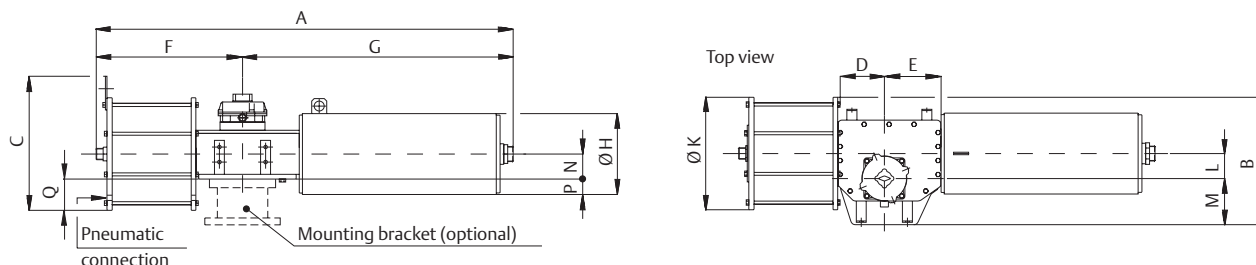
Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
1.5-1100-385-OP	66.6	20.1	21.1	7.4	8.9	25.3	41.3	15.7	17.7	3.9	7.3	3.9	3.9	4.9	1	1049	1892
1.5-1100-435-OP	66.6	21.1	22.8	7.4	8.9	25.3	41.3	15.7	19.7	3.9	7.3	3.9	3.9	5.9	1	1127	2380
1.5-1100-485-OP	66.8	22.2	25.2	7.4	8.9	25.6	41.3	15.7	22.0	3.9	7.3	3.9	3.9	7.1	1	1206	2929
1.5-1100-535-OP	67.2	24.4	28.0	7.4	8.9	25.9	41.3	15.7	24.4	3.9	7.3	3.9	3.9	8.3	1	1243	3600
1.5-1100-585-OP	67.0	26.4	29.8	7.4	8.9	25.7	41.3	15.7	26.4	3.9	7.3	3.9	3.9	9.3	1	1281	4271
1.5-1200-385-OP	69.3	20.1	21.1	7.4	8.9	25.3	44.0	12.7	17.7	3.9	7.3	3.9	2.4	4.9	1	1054	1892
1.5-1200-435-OP	69.3	21.1	22.8	7.4	8.9	25.3	44.0	12.7	19.7	3.9	7.3	3.9	2.4	5.9	1	1109	2380
1.5-1200-485-OP	69.5	22.2	25.2	7.4	8.9	25.6	44.0	12.7	22.0	3.9	7.3	3.9	2.4	7.1	1	1188	2929
1.5-1200-535-OP	69.9	24.4	28.0	7.4	8.9	25.9	44.0	12.7	24.4	3.9	7.3	3.9	2.4	8.3	1	1226	3600
1.5-1200-585-OP	69.7	26.4	29.8	7.4	8.9	25.7	44.0	12.7	26.4	3.9	7.3	3.9	2.4	9.3	1	1263	4271
3-2000-385-OP	92.7	23.6	21.1	11.2	13.0	34.6	58.0	16.3	17.7	6.3	8.5	4.2	4.0	4.7	1	1706	2868
3-2000-435-OP	92.7	24.6	22.9	11.2	13.0	34.6	58.0	16.3	19.7	6.3	8.5	4.2	4.0	5.7	1	1784	3661
3-2000-485-OP	92.9	25.8	26.5	11.2	13.0	34.8	58.0	16.3	22.0	6.3	8.5	4.2	4.0	6.9	1	1858	4515
3-2000-535-OP	93.4	27.0	28.0	11.2	13.0	35.4	58.0	16.3	24.4	6.3	8.5	4.2	4.0	8.1	1	2048	5492
3-2000-585-OP	94.4	28.0	29.8	11.2	13.0	36.3	58.0	16.3	26.4	6.3	8.5	4.2	4.0	9.1	1	2238	6590
6-2500-485-OP	117.1	29.1	25.2	12.9	14.9	40.0	77.1	15.1	22.0	7.3	10.2	5.5	2.0	5.5	1	2355	5187
6-2500-535-OP	117.5	29.7	27.8	12.9	14.9	40.3	77.1	15.1	24.4	7.3	10.2	5.5	2.0	6.7	1	2789	6346
6-2500-585-OP	117.6	30.7	29.8	12.9	14.9	40.5	77.1	15.1	26.4	7.3	10.2	5.5	2.0	7.7	1	2745	7566
6-2500-635-OP	119.3	31.7	31.9	12.9	14.9	42.2	77.1	15.1	28.3	7.3	10.2	5.5	2.0	8.7	1	2917	8909
6-2500-735-OP	120.0	33.6	35.9	12.9	14.9	42.9	77.1	15.1	32.1	7.3	10.2	5.5	2.0	10.5	2 x 1	3303	11960
6-3800-535-OP	126.5	29.7	27.8	12.9	14.9	40.5	86.1	20.9	24.4	7.3	10.2	5.5	4.9	6.7	1	3527	6346
6-3800-585-OP	126.4	30.7	29.8	12.9	14.9	40.4	86.1	20.9	26.4	7.3	10.2	5.5	4.9	7.7	1	3616	7566
6-3800-635-OP	128.3	31.7	31.9	12.9	14.9	42.2	86.1	20.9	28.3	7.3	10.2	5.5	4.9	8.7	1	3792	8909
6-3800-735-OP	129.1	33.6	35.9	12.9	14.9	42.9	86.1	20.9	32.1	7.3	10.2	5.5	4.9	10.6	2 x 1	4264	11960

Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
14-5100-635-OP	128.8	35.0	31.9	14.8	17.1	44.1	84.7	20.9	28.3	7.9	13.0	7.6	2.8	6.6	1	3990	9702
14-5100-735-OP	129.5	36.9	35.9	14.8	17.1	44.8	84.7	20.9	32.1	7.9	13.0	7.6	2.8	8.4	2 x 1	4467	12997
14-5100-785-OP	129.5	38.3	39.1	14.8	17.1	44.8	84.7	20.9	34.8	7.9	13.0	7.6	2.8	9.9	2 x 1	4467	14828
14-5100-835-OP	131.1	39.1	40.8	14.8	17.1	46.4	84.7	20.9	36.4	7.9	13.0	7.6	2.8	10.6	2 x 1	5192	16719
14-5100-885-OP	132.7	40.6	44.2	14.8	17.1	48.0	84.7	20.9	39.4	7.9	13.0	7.6	2.8	12.1	2 x 1	5412	18794
14-5100-935-OP	132.6	41.6	46.4	14.8	17.1	48.0	84.7	20.9	41.4	7.9	13.0	7.6	2.8	13.1	2 x 1	5633	20930
14-5400-635-OP	126.7	35.0	31.9	14.8	17.1	44.1	82.7	20.9	28.3	7.9	13.0	7.6	2.8	6.6	1	4222	9702
14-5400-735-OP	127.4	35.6	35.9	14.8	17.1	44.8	82.6	20.9	32.1	7.9	11.6	7.6	2.8	8.5	2 x 1	4519	12997
14-5400-785-OP	127.4	38.3	39.1	14.8	17.1	44.8	82.6	20.9	34.8	7.9	13.0	7.6	2.8	9.9	2 x 1	4982	14828
14-5400-835-OP	127.4	37.7	40.8	14.8	17.1	44.8	82.6	20.9	36.4	7.9	11.6	7.6	2.8	10.6	2 x 1	4960	16719
14-5400-885-OP	124.9	40.6	44.2	14.8	17.1	42.2	82.6	20.9	39.4	7.9	13.0	7.6	2.8	12.1	2 x 1	5412	18794
14-5400-935-OP	130.5	41.4	46.4	14.8	17.1	47.8	82.6	20.9	41.4	7.9	12.8	7.6	2.8	13.2	2 x 1	5732	20930
14-8300-735-OP	129.9	35.6	35.9	14.8	17.1	44.8	85.1	20.9	32.1	7.9	11.6	7.6	2.8	8.5	2 x 1	4630	12997
14-8300-785-OP	129.9	38.3	39.1	14.8	17.1	44.8	85.1	20.9	34.8	7.9	13.0	7.6	2.8	9.9	2 x 1	5600	14828
14-8300-835-OP	129.9	37.7	40.8	14.8	17.1	44.8	85.1	20.9	36.4	7.9	13.0	7.6	2.8	10.6	2 x 1	5071	16719
14-8300-885-OP	127.4	40.6	44.2	14.8	17.1	42.2	85.1	20.9	39.4	7.9	13.0	7.6	2.8	12.1	2 x 1	5137	18794
14-8300-935-OP	133.0	41.4	46.4	14.8	17.1	47.8	85.1	20.9	41.4	7.9	11.6	7.6	2.8	13.2	2 x 1	5842	20930

ALGAS Spring-Return Pneumatic Actuator

Overall Dimensions - Spring to Open, Models 18-9600-835-OP to 80-19700-1800-OP



Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
18-9600-835-OP	158.7	40.7	40.8	16.9	19.5	54.1	108.9	22.1	36.5	9.1	13.4	7.8	7.0	10.6	2 x 1	7385	19404
18-9600-935-OP	161.7	43.3	46.5	16.9	19.5	55.6	108.9	22.1	41.6	9.1	13.4	7.8	7.0	13.1	2 x 1	8267	24286
18-9600-1000-OP	161.9	45.1	49.8	16.8	19.5	55.7	108.8	22.1	44.1	9.1	14.0	7.6	7.0	14.5	2 x 1	8805	27825
18-9600-1100-OP	161.7	47.9	53.8	16.9	19.5	55.7	108.9	22.1	48.1	9.1	13.4	7.8	7.0	16.3	2 x 1	9590	33683
18-9600-1200-OP	161.0	52.0	57.7	16.8	19.5	54.1	108.8	22.1	52.0	9.1	13.4	7.6	7.0	18.4	2 x 1	9700	40273
18-9600-1300-OP	163.5	56.0	62.1	16.8	19.5	56.9	108.8	22.1	56.0	9.1	13.4	7.6	7.0	20.4	2 x 1	12478	46985
18-9800-835-OP	158.3	40.7	40.8	16.9	19.5	54.2	108.5	22.1	36.5	9.1	13.4	7.8	7.0	10.6	2 x 1	8157	19404
18-9800-935-OP	161.3	43.3	46.5	16.9	19.5	55.6	108.5	22.1	41.6	9.1	13.4	7.8	7.0	13.1	2 x 1	9039	24286
18-9800-1000-OP	161.5	45.1	49.8	16.9	19.5	55.7	108.4	22.1	44.1	9.1	14.0	7.6	7.0	14.5	2 x 1	9237	27825
18-9800-1100-OP	161.3	47.9	53.8	16.9	19.5	55.7	108.5	22.1	48.1	9.1	13.4	7.8	7.0	16.3	2 x 1	10362	33683
18-9800-1200-OP	160.6	52.0	57.7	16.9	19.5	54.9	108.4	22.1	52.0	9.1	13.4	7.8	7.0	18.4	2 x 1	11199	40273
18-9800-1300-OP	163.1	56.0	62.1	16.9	19.5	57.0	108.4	22.1	56.0	9.1	13.4	7.6	7.0	20.4	2 x 1	12831	46985
18-10500-935-OP	164.7	43.3	46.5	16.9	19.5	55.5	111.9	26.4	41.6	9.1	13.4	7.8	9.2	13.1	2 x 1	10549	24286
18-10500-1000-OP	164.8	45.1	49.8	16.9	19.5	55.8	111.7	26.4	44.1	9.1	14.0	7.6	9.2	14.5	2 x 1	11080	27825
18-10500-1100-OP	164.7	47.9	53.8	16.9	19.5	55.6	111.9	26.4	48.1	9.1	13.4	7.8	9.2	16.3	2 x 1	10472	33683
18-10500-1200-OP	163.9	49.1	57.7	16.9	19.5	54.1	111.7	26.4	52.0	9.1	14.0	7.6	9.2	18.4	2 x 1	11852	40273
18-10500-1300-OP	166.4	56.0	62.1	16.9	19.5	57.4	111.7	26.4	56.0	9.1	13.4	7.8	9.2	20.3	2 x 1	11852	46985
18-11000-935-OP	160.1	43.3	46.5	16.9	19.5	55.6	107.3	26.4	41.6	9.1	13.4	7.8	9.2	13.1	2 x 1	9039	24286
18-11000-1000-OP	160.2	45.1	49.8	16.9	19.5	55.8	107.2	26.4	44.1	9.1	14.0	7.6	9.2	14.5	2 x 1	10362	27825
18-11000-1100-OP	160.1	47.9	53.8	16.9	19.5	55.6	107.3	26.4	48.1	9.1	13.4	7.8	9.2	16.3	2 x 1	10362	33683
18-11000-1200-OP	159.5	52.0	57.7	16.9	19.5	54.9	107.3	26.4	52.0	9.1	13.4	7.8	9.2	18.3	2 x 1	9039	40273
18-11000-1300-OP	161.9	51.0	62.1	16.9	19.5	57.4	107.2	26.4	56.0	9.1	14.0	7.6	9.2	20.4	2 x 1	14264	46985
32-12000-1100-OP	178.2	51.2	53.8	19.9	23.1	64.5	116.9	31.5	47.9	10.7	16.6	9.3	10.1	14.8	2 x 1	13898	39663
32-12000-1200-OP	177.5	53.2	57.7	19.9	23.1	63.7	116.9	31.5	52.0	10.7	16.6	9.3	10.1	16.7	2 x 1	15097	47229
32-12000-1300-OP	179.5	55.2	62.1	19.9	23.1	65.8	116.9	31.5	56.0	10.7	16.6	9.3	10.1	18.7	2 x 1	15785	55528
32-15000-1100-OP	179.0	51.2	53.8	19.9	23.1	65.3	117.7	31.5	48.1	10.7	16.6	9.3	10.1	14.8	2 x 1	14476	39663
32-15000-1200-OP	178.2	53.2	57.7	19.9	23.1	63.7	117.7	31.5	52.0	10.7	16.6	9.3	10.1	16.7	2 x 1	15300	47229
32-15000-1300-OP	180.3	56.0	62.1	19.9	23.1	65.8	117.7	31.5	56.0	10.7	16.6	9.3	10.1	18.7	2 x 1	16314	55528

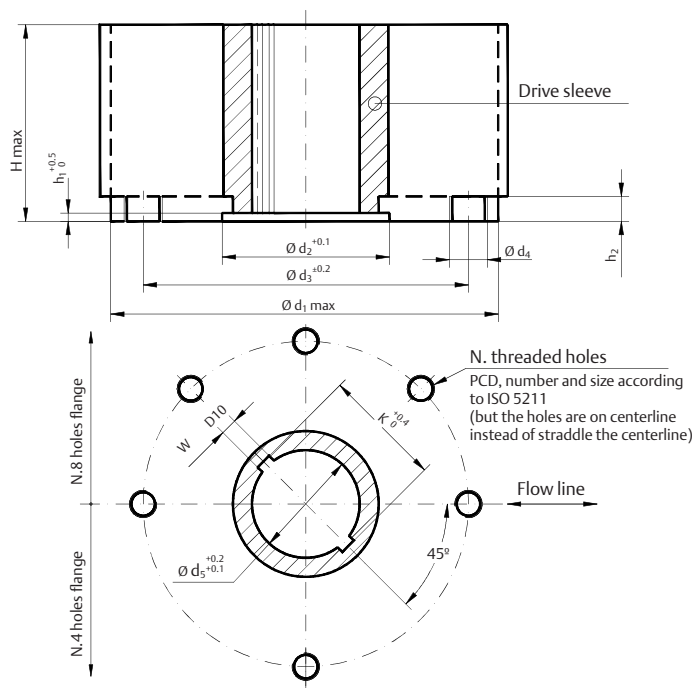
Dimensions (in.)

Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	NPT (in.)	Weight (lb)	Air consumption (cu in.)
50-15400-1100-OP	187.4	51.0	53.8	21.6	25.0	70.3	122.6	31.5	48.1	11.9	15.3	9.2	10.2	14.9	2 x 1	14332	43934
50-15400-1200-OP	189.2	53.1	57.7	21.6	25.0	65.6	122.6	31.5	52.0	11.9	15.3	9.2	10.2	16.9	2 x 1	15157	52477
50-15400-1300-OP	193.6	55.1	62.1	21.6	25.0	74.1	122.6	31.5	56.0	11.9	15.3	9.2	10.2	18.8	2 x 1	16839	61630
50-15400-1450-OP	189.2	58.6	71.1	21.6	25.0	70.1	122.6	31.5	63.0	11.9	15.3	9.2	10.2	22.4	2 x 1	16931	76641
50-15600-1100-OP	187.4	51.1	53.8	21.6	25.0	70.3	122.6	31.5	48.1	11.9	15.3	9.2	10.2	14.9	2 x 1	14359	43934
50-15600-1200-OP	189.2	53.1	57.7	21.6	25.0	65.6	122.6	31.5	56.0	11.9	15.3	9.2	10.2	16.9	2 x 1	15183	52477
50-15600-1300-OP	193.6	55.1	62.1	21.6	25.0	66.1	122.6	31.5	56.0	11.9	15.3	9.2	10.2	18.8	2 x 1	16865	61630
50-15600-1450-OP	189.2	58.6	71.1	21.6	25.0	70.2	122.6	31.5	63.0	11.9	15.3	9.2	10.2	22.4	2 x 1	16887	76641
65-18400-1600-OP	204.5	64.1	78.2	24.6	26.9	78.0	127.7	34.1	67.9	11.2	17.9	12.3	5.1	22.7	2 x 1	21395	90310
65-18400-1700-OP	205.7	66.1	85.2	24.6	26.9	78.0	126.9	34.1	74.7	11.2	17.9	12.3	5.2	25.4	2 x 1	23773	101903
65-18400-1800-OP	205.7	67.7	84.1	24.6	26.9	78.0	127.7	34.1	77.2	11.2	17.9	11.9	5.2	26.7	2 x 1	26149	114413
65-19400-1600-OP	205.7	64.1	78.2	24.6	26.9	76.8	132.2	34.1	67.9	11.2	17.9	12.3	5.1	22.7	2 x 1	21439	90310
65-19400-1700-OP	210.2	66.1	85.2	24.6	26.9	77.9	132.2	34.1	74.7	11.2	17.9	12.3	5.2	25.4	2 x 1	23822	101903
65-19400-1800-OP	210.2	67.7	84.1	24.6	26.9	76.8	132.2	34.1	77.2	11.2	17.9	11.9	5.2	26.7	2 x 1	26202	114413
80-18700-1800-OP	220.8	77.2	86.7	26.2	29.5	90.1	130.8	33.9	77.1	13.8	17.2	13.3	8.8	26.7	2 x 1	29101	137295
80-19700-1800-OP	225.3	77.2	86.7	26.2	29.5	90.1	135.3	33.9	77.1	13.8	17.2	13.3	9.8	26.7	2 x 1	29762	137295

ALGA / ALGAS / ALGAS-QA Pneumatic Actuator

Mounting Dimensions

Actuator models 0.3 to 6.0



Top view of the Scotch yoke mechanism
(actuator shown in closed position)

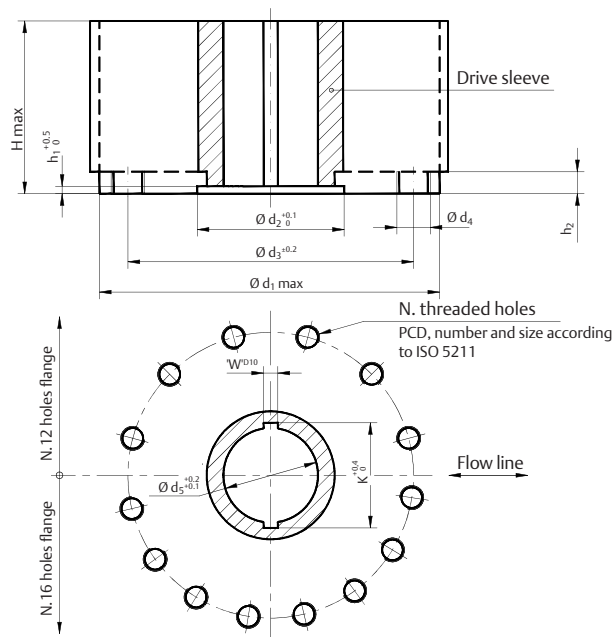
Coupling dimensions (in.) models 0.3 to 0.6

Actuator model	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	$\varnothing d_4$	N	h_1	h_2	H max	$\varnothing d_5$	W	K
0.3	9.4	3.7	6.5	M20	4	0.2	0.7	5.0	2.8	0.5	3.0
0.9	12.2	4.4	10.0	M16	8	0.2	0.7	5.9	3.4	0.6	3.7
1.5	14.2	5.7	11.7	M20	8	0.2	0.7	7.5	4.4	0.7	4.7
3	16.9	7.7	14.0	M30	8	0.4	0.9	7.9	6.2	1.0	6.6
6	20.5	9.8	16.0	M36	8	0.6	1.1	10.2	7.9	1.1	8.4

NOTE:

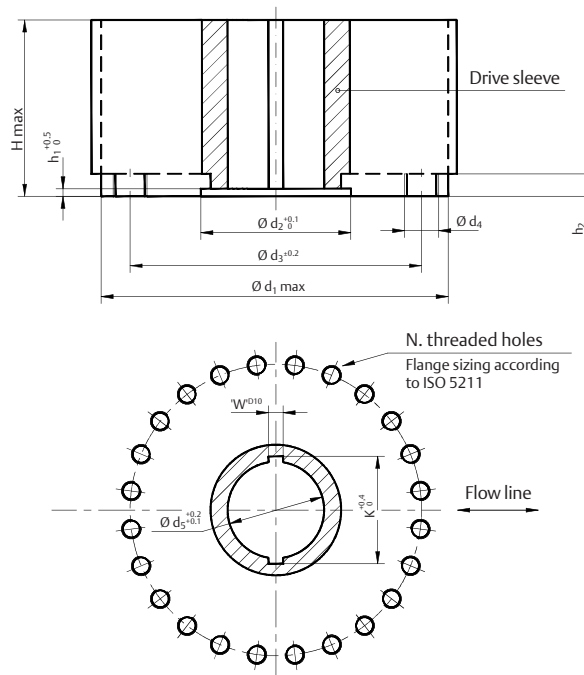
$\varnothing d_1$ is maximum adapter flange diameter.

Actuator models 14 to 32



Top view of the Scotch yoke mechanism
(actuator shown in closed position)

Actuator models 50 to 80



Top view of the Scotch yoke mechanism
(actuator shown in closed position)

Coupling dimensions (in.) models 14 to 32

Actuator model	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	$\varnothing d_4$	N	h_1	h_2	H max	$\varnothing d_5$	W	K
14	22.8	9.8	19.0	M36	12	0.4	1.1	13.4	6.9	1.8	7.7
18	26.8	11.4	23.7	M36	16	0.5	1.3	13.8	7.9	1.8	8.7
32	30.7	12.2	23.7	M36	16	0.5	1.3	15.7	8.7	2.0	9.6

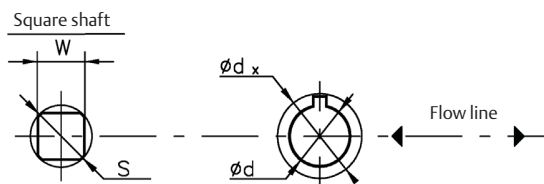
Coupling dimensions (in.) models 50 and 80

Actuator model	$\varnothing d_1$	$\varnothing d_2$	$\varnothing d_3$	$\varnothing d_4$	N	h_1	h_2	H max	$\varnothing d_5$	W	K
50	31.5	12.4	27.5	M36	24	0.4	1.3	16.9	9.4	2.2	10.4
65	35.8	14.5	32.0	M42x4.5	24	0.4	1.5	21.3	11.0	1.8	12.9
80	35.4	14.6	32.0	M42	24	0.4	1.5	21.3	11.0	1.8	12.9
100	47.2	17.7	41.0	M42	32	0.3	2.2	23.6	11.8	2.8	12.9

NOTE:

$\varnothing d_1$ is maximum adapter flange diameter.

Stem acceptance



Stem acceptance dimensions for insert bushes (in.)

Housing size	Max. stem diameter with rectangular key d (bxh) ^[2] (inch)	Max. accepted diameter described by the key dx ^[3] (inch)	Max. accepted square stem (inch)		Max. accepted square stem height (inch) ^{**}
			W	S [*]	
0.3	2.09 (0.63x0.39)	2.52	1.81	2.52	4.72
0.9	2.44 (0.71x0.43)	2.87	2.17	2.87	5.51
1.5	3.35 (0.87x0.55)	3.90	2.87	3.90	7.09
3	4.96 (1.26x0.71)	5.71	4.09	5.71	7.48
6	6.34 (1.57x0.87)	7.28	5.24	7.28	9.84
14	4.13 (1.10x0.63)	4.76	-	-	13.39
18	4.80 (1.26x0.71)	5.51	-	-	13.78
32	6.30 (1.57x0.87)	7.20	-	-	15.75
50	6.30 (1.57x0.87)	7.20	-	-	16.93
65	-	-	-	-	21.26
80	-	-	-	-	21.26
100	-	-	-	-	23.62

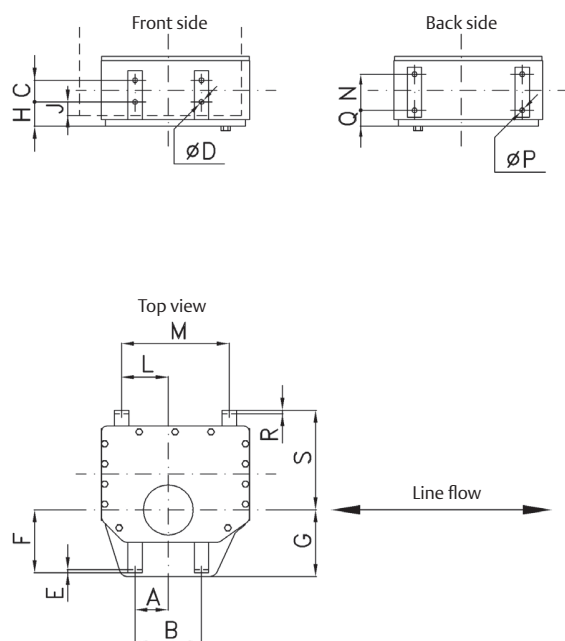
NOTES:

1. The listed maximum acceptance values are applicable for stems with keyways parallel or perpendicular to the flow line and for square stems with diagonal parallel with the flow line.
 2. Key according to UNI6604 or DIN 6885 sh.1 or ISO 773 or equivalent.
 3. For stem with key not correspondent to any specification, check the dimension dx .
- * S max: maximum external diameter in case of rounded edge.
 ** Without adapter flange.

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Accessories Mounting Dimensions

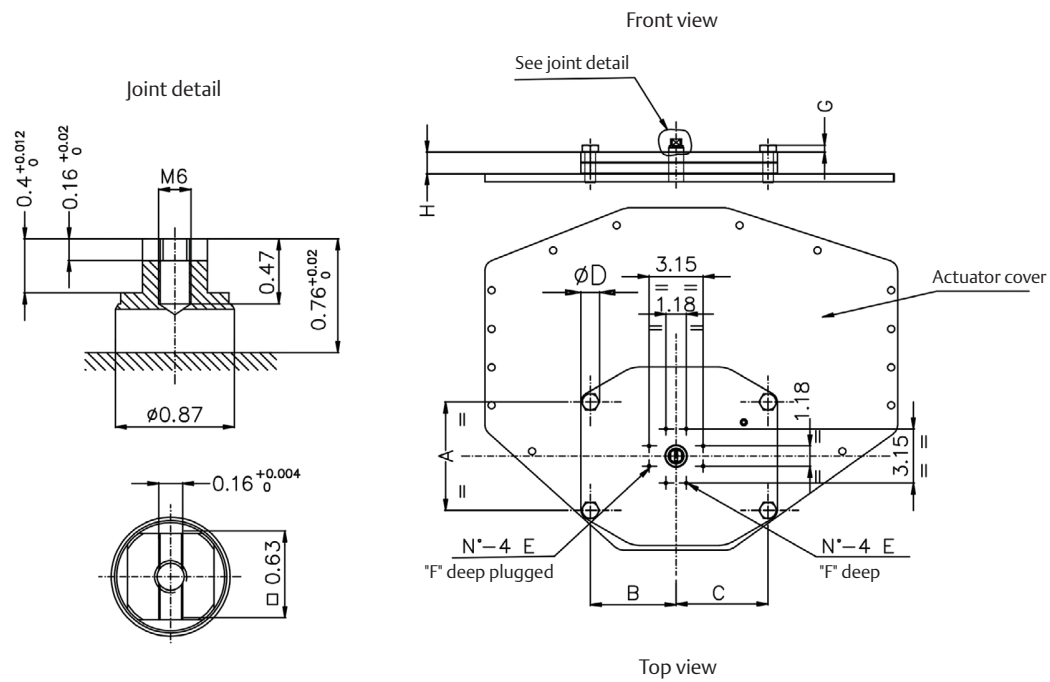
Actuator models 0.3 to 80



Accessories mounting dimensions (in.)

Actuator model	A	B	C	$\varnothing D$	E	F	G	H	J	L	M	N	$\varnothing P$	Q	R	S
0.3	3.0	6.0	2.3	0.5	0.2	4.4	4.6	1.4	0.5	3.6	7.8	2.3	0.5	1.4	0.2	7.8
0.9	3.6	7.2	2.3	0.5	0.2	6.0	6.6	2.4	1.4	3.3	7.8	2.3	0.5	1.9	0.2	9.5
1.5	3.6	7.2	2.3	0.5	0.2	6.8	7.2	2.4	1.4	5.1	11.7	3.9	0.5	1.8	0.2	11.1
3	4.6	9.2	3.3	0.9	0.3	7.9	8.4	2.2	1.0	9.0	19.5	3.9	0.5	2.1	0.2	14.5
6	5.3	17.7	4.5	0.9	0.3	9.7	10.1	2.3	0.9	8.7	19.5	3.9	0.5	3.4	0.3	18.7
14	12.3	24.6	7.8	1.1	0.4	8.9	12.9	3.8	2.1	8.6	19.5	6.6	1.1	3.9	0.3	21.2
18	12.3	24.6	7.8	1.1	0.4	9.2	13.3	2.8	1.2	11.9	26.5	8.4	1.1	3.1	0.4	23.4
32	12.3	24.6	7.8	1.1	0.4	15.0	15.4	2.8	1.2	16.1	34.7	8.4	1.1	5.8	0.4	25.7
50	15.1	33.5	9.8	1.2	0.5	14.5	15.1	3.0	1.4	18.4	40.2	8.4	1.1	6.4	0.4	41.8
65	15.4	33.9	9.8	1.2	0.6	15.0	18.0	4.2	2.0	18.7	40.5	8.5	1.1	10.6	0.6	32.7
80	19.5	39.0	9.8	1.2	0.6	17.1	17.6	4.2	2.0	19.5	42.9	8.4	1.1	10.5	0.6	35.1
100	19.7	43.3	9.8	1.2	0.8	22.2	23.6	5.0	2.0	19.7	43.3	8.5	1.1	13.1	0.6	50.2

Accessories mounting holes on actuator top (cover and yoke)



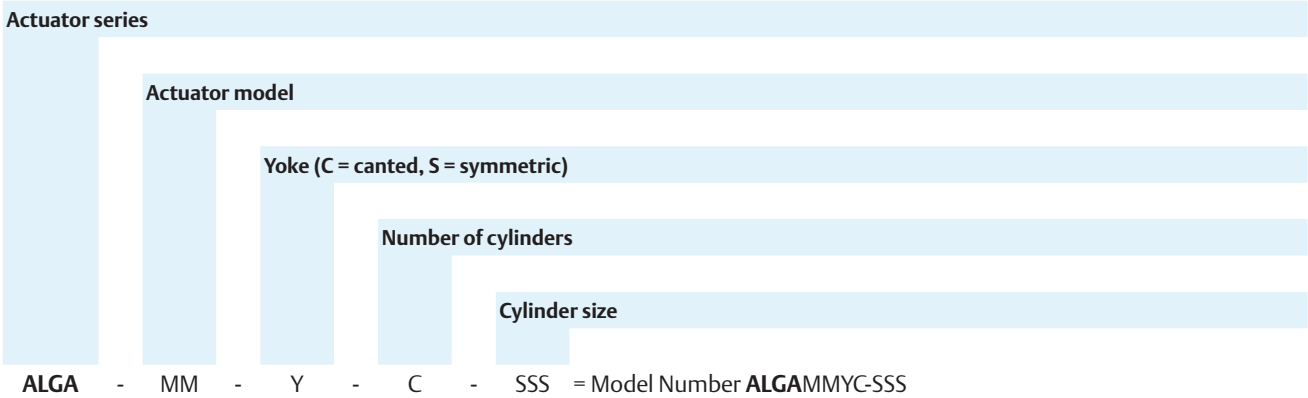
Dimensions (in.)

Actuator model	A	B	C	D	E	F	G	H
0.3	N/A	N/A	N/A	N/A	M5	0.35	N/A	1.26
0.9	N/A	N/A	N/A	N/A	M5	0.35	N/A	1.26
1.5	N/A	N/A	N/A	N/A	M5	0.35	N/A	1.26
3	6.30	5.00	5.35	1.18	M5	0.35	0.43	1.26
6	6.30	5.00	5.35	1.18	M5	0.35	0.43	1.26
14	6.30	5.00	5.35	1.18	M5	0.35	0.43	1.26
18	12.36	4.29	4.29	1.18	M5	0.35	0.43	1.26
32	12.36	4.29	4.29	1.18	M5	0.35	0.43	1.26
50	11.04	5.45	5.45	1.45	M5	0.35	0.51	1.26
65	16.14	7.08	7.08	1.73	M5	0.35	0.63	1.26
80	16.14	7.08	7.08	1.73	M5	0.35	0.63	1.26
100	18.11	8.07	8.07	1.73	M5	0.35	0.63	1.26

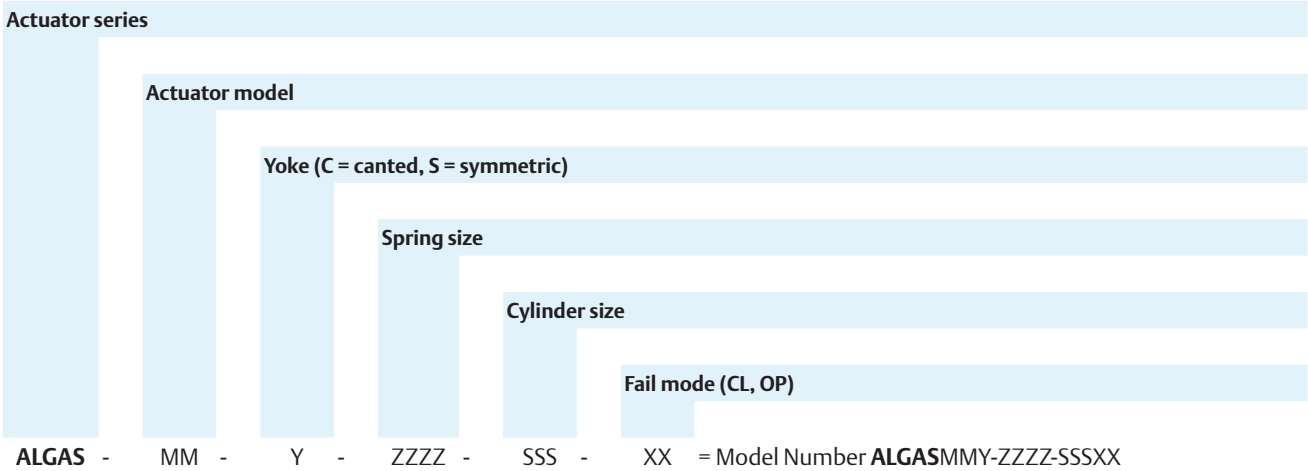
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Selection Guide

Scotch Yoke Double-Acting Pneumatic Actuators



Scotch Yoke Single Acting Pneumatic Actuators



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