

Data sheet

Sheet No.: GPI2.01 RevA

Date: September 2009

G-Series

Performance Data – (Pneumatic)

Double-Acting Actuators G-Series

Actuator Model	Volume (Cu.In.)▲		Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
	Inboard	Outboard		
G01008	365	343	192	155
G01009	465	435	151	149
G01010	621	580	114	162
G01012	898	835	80	172
G01014	1096	1015	66	185
G2009	465	435	187	196
G2010	621	580	141	190
G2012	898	835	100	204
G2014	1096	1015	81	213
G2016	1443	1336	61	251
G3010	751	767	200	257
G3012	1093	1104	142	273
G3014	1337	1344	117	283
G3016	1736	1697	90	314
G3020	2940	2675	56	378
G4012	1281	1354	200	421
G4014	1561	1646	194	433
G4016	2067	2172	147	460
G4020	3277	2885	92	552
G4024	4741	5146	63	633
G4028	6746	7055	45	797
G5016	2603	2762	200	859
G5020	4157	4383	164	866
G5024	6127	6231	112	976
G5028	8659	8669	80	1150
G5032	10470	11719	61	1541
G5036	13107	14588	48	1807
G7020	4707	4740	200	1661
G7024	6826	7317	178	1670
G7028	10800	10822	126	1880
G7032	13441	14126	96	2170
G7036	14851	17102	76	2470

▲ Maximum volume including cavity required for calculating consumption per stroke.

* **Maximum Operating Pressure (MOP)** – The maximum recommended pressure at which the actuator should be operated.

Maximum Relief Valve Set Pressure (MRP) – The maximum recommended relief pressure value set point.

MRP is calculated by multiplying MOP times 1.15 for G-Series actuators.

Maximum System Pressure (MSP) – The maximum allowable system supply pressure to which an actuator may be exposed. MSP is calculated by multiplying MOP times 1.25 for G-Series actuators.

- For dual cylinder models this volume equals the volume of one inboard plus one outboard.

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Sheet No.: GPI2.02 RevA

Date: September 2009

G-Series

Performance Data – (Pneumatic)

Double-Acting Actuators G-Series (cont.)

Actuator Model	Volume (Cu.In.) ▲		Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
	Inboard	Outboard		
•G70228	21622	21622	63	2652
G8024	8103	8154	200	2470
G8028	11921	13138	172	2500
G8032	15791	17191	131	2705
G8036	20100	21785	103	3271
G8040	24993	26919	84	3534
•G80232	32982	32982	65	3909
•G80236	41885	41885	52	4702
G10028	16975	18462	200	3800
G10032	19550	21272	200	3949
G10036	25491	26978	158	4449
G10040	31679	33355	128	4719
•G100232	40822	40822	100	5310
•G100236	52469	52469	80	6310
•G100240	65033	65033	64	6850
G13040	44244	43924	200	7531
G13044	53958	53274	165	7945
G13048	64597	63515	140	8446
G13052	76161	74648	120	8955
•G130240	88168	88168	100	9997
•G130244	107232	107232	83	10865
•G130248	128112	128112	70	11827
•G130252	150809	150809	60	12885

▲ Maximum volume including cavity required for calculating consumption per stroke.

* **Maximum Operating Pressure (MOP)** – The maximum recommended pressure at which the actuator should be operated.

Maximum Relief Valve Set Pressure (MRP) – The maximum recommended relief pressure value set point.

MRP is calculated by multiplying MOP times 1.15 for G-Series actuators.

Maximum System Pressure (MSP) – The maximum allowable system supply pressure to which an actuator may be exposed. MSP is calculated by multiplying MOP times 1.25 for G-Series actuators.

- For dual cylinder models this volume equals the volume of one inboard plus one outboard.

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Sheet No.: GPI2.03 RevA

Date: September 2009

G-Series

Performance Data – (Pneumatic)

Spring-Return Actuators G-Series

Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
G01008-SR4	365	192	295
SR3	365	192	304
SR2	365	192	309
SR1	365	192	311
G01008-SR4	465	200	289
SR3	465	200	298
SR2	465	200	303
SR1	465	200	305
G01010-SR4	621	166	302
SR3	621	166	311
SR2	621	166	316
SR1	621	166	318
G01012-SR4	898	116	312
SR3	898	116	321
SR2	898	116	326
SR1	898	116	328
G01014-SR4	1096	97	325
SR3	1096	97	334
SR2	1096	97	339
SR1	1096	97	341
G2009-SR6	465	187	369
SR5	465	187	409
SR4	465	187	409
SR3	465	187	424
SR2	465	187	424
SR1	465	187	439
G2010-SR6	621	141	364
SR5	621	141	404
SR4	621	141	404
SR3	621	141	419
SR2	621	141	419
SR1	621	141	434
G2012-SR6	898	100	377
SR5	898	100	417
SR4	898	100	417
SR3	898	100	432
SR2	898	100	432
SR1	898	100	447
Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)

Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
G2014-SR6	1096	81	387
SR5	1096	81	427
SR4	1096	81	427
SR3	1096	81	442
SR2	1096	81	442
SR1	1096	81	457
G2016-SR6	1443	61	424
SR5	1443	61	464
SR4	1443	61	464
SR3	1443	61	479
SR2	1443	61	479
SR1	1443	61	494
G3010-SR4	751	200	554
SR3	751	200	568
SR2	751	200	584
SR1	751	200	588
G3012-SR4	1093	142	570
SR3	1093	142	584
SR2	1093	142	600
SR1	1093	142	604
G3014-SR4	1337	117	580
SR3	1337	117	594
SR2	1337	117	610
SR1	1337	117	614
G3016-SR4	1736	90	611
SR3	1736	90	625
SR2	1736	90	641
SR1	1736	90	645
G3020-SR4	2940	56	675
SR3	2940	56	689
SR2	2940	56	705
SR1	2940	56	709
G4012-SR4	1281	200	883
SR3	1281	200	943
SR2	1281	200	959
G4014-SR4	1561	194	895
SR3	1561	194	954
SR2	1561	194	970
SR1	1561	194	980
Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)

▲ Maximum volume including cavity required for calculating consumption per stroke.

* **Maximum Operating Pressure (MOP)** – The maximum recommended pressure at which the actuator should be operated.

Maximum Relief Valve Set Pressure (MRP) – The maximum recommended relief pressure value set point.

MRP is calculated by multiplying MOP times 1.15 for G-Series actuators.

Maximum System Pressure (MSP) – The maximum allowable system supply pressure to which an actuator may be exposed. MSP is calculated by multiplying MOP times 1.25 for G-Series actuators.

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Sheet No.: GPI2.04 RevA

Date: September 2009

G-Series

Performance Data – (Pneumatic)

Spring-Return Actuators G-Series (cont.)

Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
G4016-SR4	2067	147	922
SR3	2067	147	981
SR2	2067	147	998
SR1	2067	147	1007
G4020-SR4	3277	92	1014
SR3	3277	92	1074
SR2	3277	92	1090
SR1	3277	92	1099
G4024-SR4	4741	63	1095
SR3	4741	63	1154
SR2	4741	63	1170
SR1	4741	63	1179
G4028-SR3	6746	45	1319
SR2	6746	45	1335
SR1	6746	45	1344
G5016-SR4	2603	200	1698
SR3	2603	200	1762
SR2	2603	200	1818
G5020-SR4	4157	164	1705
SR3	4157	164	1769
SR2	4157	164	1825
SR1	4157	164	1819
G5024-SR4	6127	112	1815
SR3	6127	112	1879
SR2	6127	112	1935
SR1	6127	112	1929
G5028-SR4	8659	80	1989
SR3	8659	80	2053
SR2	8659	80	2109
SR1	8659	80	2103
G5032-SR4	10470	61	2380
SR3	10470	61	2443
SR2	10470	61	2500
SR1	10470	61	2494
G5036-SR3	13107	48	2710
SR2	13107	48	2766
SR1	13107	48	2760
Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)

Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
G7020-SR4	4707	200	3185
SR3	4707	200	3100
G7024-SR4	6826	178	3194
SR3	6826	178	3109
SR2	6826	178	3459
SR1	6826	178	3374
G7028-SR4	10800	126	3404
SR3	10800	126	3319
SR2	10800	126	3669
SR1	10800	126	3584
G7032-SR4	13441	96	3694
SR3	13441	96	3694
SR2	13441	96	3959
SR1	13441	96	3874
G7036-SR4	14851	76	3994
SR3	14851	76	3909
SR2	14851	76	4259
SR1	14851	76	4174
G70T28-SR3	21600	63	4091
SR2	21600	63	4441
SR1	21600	63	4356
G8024-SR3	8103	200	5326
SR2	8103	200	5487
SR1	8103	200	5776
G8028-SR3	11921	172	5356
SR2	11921	172	5516
SR1	11921	172	5806
G8032-SR3	15791	131	5561
SR2	15791	131	5722
SR1	15791	131	6011
G8036-SR3	20100	103	6127
SR2	20100	103	6288
SR1	20100	103	6577
G8040-SR3	24993	84	6390
SR2	24993	84	6551
SR1	24993	84	6840
Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)

▲ Maximum volume including cavity required for calculating consumption per stroke.

* **Maximum Operating Pressure (MOP)** – The maximum recommended pressure at which the actuator should be operated.

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Sheet No.: GPI2.05 RevA

Date: September 2009

G-Series

Performance Data – (Pneumatic)

Spring-Return Actuators

G-Series (cont.)

Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
G80T32-SR3	31582	65	6765
SR2	31582	65	6926
SR1	31582	65	7215
G80T36-SR3	40200	52	7558
SR2	40200	52	7719
SR1	40200	52	8008
G10028-SR4	16975	200	7460
SR3	16975	200	7820
SR2	16975	200	8210
G10032-SR4	19550	200	7510
SR3	19550	200	7870
SR2	19550	200	8260
SR1	19550	200	8720
G10036-SR4	25491	158	8010
SR3	25491	158	8370
SR2	25491	158	8760
SR1	25491	158	9220
G10040-SR4	31679	128	8280
SR3	31679	128	8640
SR2	31679	128	9030
SR1	31679	128	9490
G100T32-SR4	39100	100	8740
SR3	39100	100	9100
SR2	39100	100	9490
SR1	39100	100	9950
G100T36-SR4	50982	80	9620
SR3	50982	80	9980
SR2	50982	80	10370
SR1	50982	80	10830
G100T40-SR4	63358	64	10080
SR3	63358	64	10440
SR2	63358	64	10830
SR1	63358	64	11290
G13040-SR4	44244	200	14656
SR3	44244	200	15391
SR2	44244	200	16606
SR1	44244	200	17341
Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)

Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)
G13044-SR4	53958	165	15070
SR3	53958	165	15805
SR2	53958	165	17020
SR1	53958	165	17755
G13048-SR4	64597	140	15571
SR3	64597	140	16306
SR2	64597	140	17521
SR1	64597	140	18256
G13052-SR4	76161	120	16080
SR3	76161	120	16815
SR2	76161	120	18030
SR1	76161	120	18765
G130T40-SR4	90843	100	16755
SR3	90843	100	17490
SR2	90843	100	18705
SR1	90843	100	19440
G103T44-SR4	110871	83	17615
SR3	110871	83	18350
SR2	110871	83	19565
SR1	110871	83	20300
G130T48-SR4	132814	70	18491
SR3	132814	70	19226
SR2	132814	70	20441
SR1	132814	70	21176
G130T52-SR4	156672	60	19240
SR3	156672	60	19975
SR2	156672	60	21190
SR1	156672	60	21925
Actuator Model	Volume Per Stroke (Cu.In.)▲	Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (Lbs.)

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