

# Performance Data – (Pneumatic)

## Double-Acting Actuators

Actuator Model	Volume (cu. in.) ▲		Maximum Operating Pressure (MOP)* (PSIG)	Approximate Weight of Actuator (lb)
	Inboard	Outboard		
FG01008	365	343	192	146
FG01009	465	435	151	151
FG01010	621	580	114	161
FG01012	898	835	80	172
FG01014	1096	1015	66	182
FG2009	465	435	187	186
FG2010	621	580	141	190
FG2012	898	835	100	204
FG2014	1096	1015	81	213
FG2016	1443	1336	61	251
FG3010	751	767	200	257
FG3012	1093	1104	142	273
FG3014	1337	1344	117	283
FG3016	1736	1697	90	314
FG3020	2940	2675	56	378
FG4012	1281	1354	200	421
FG4014	1561	1646	194	433
FG4016	2067	2172	147	460
FG4020	3277	2885	92	552
FG4024	4741	5146	63	633
FG4028	6746	7055	45	797
FG5016	2603	2762	200	859
FG5020	4157	4383	164	866
FG5024	6127	6231	112	976
FG5028	8659	8669	80	1150
FG5032	10470	11719	61	1541
FG5036	13107	14588	48	1807
FG7020	4707	4740	200	1661
FG7024	6826	7317	178	1670
FG7028	10800	10822	126	1880
FG7032	13441	14126	96	2170
FG7036	14851	17102	76	2470

### Notes:

- ▲ 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 FG-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 FG-Series actuators.
- For dual cylinder models, this volume equals the volume of one inboard plus one outboard.



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	Inboard	Outboard		
•FG70228	21622	21622	63	2648
FG8024	8103	8154	200	2364
FG8028	11921	13138	172	2500
FG8032	15791	17191	131	2705
FG8036	20100	21785	103	3271
FG8040	24993	26919	84	3534
•FG80232	32982	32982	65	3787
•FG80236	41885	41885	52	4919
FG10028	16975	18462	200	3663
FG10032	19550	21272	200	3965
FG10036	25491	26978	158	4481
FG10040	31679	33355	128	4753
•FG100232	40822	40822	100	5289
•FG100236	52469	52469	80	6321
•FG100240	65033	65033	64	6865
FG13040	44244	43924	200	7725
FG13044	53958	53274	165	7945
FG13048	64597	63515	140	8815
FG13052	76161	74648	120	8955
•FG130240	88168	88168	100	10625
•FG130244	107232	107232	83	11065
•FG130248	128112	128112	70	12805
•FG130252	150809	150809	60	13085

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## Spring-Return Actuators

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FG01008-SR4	365	192	286
SR3	365	192	295
SR2	365	192	300
SR1	365	192	302
FG01009-SR4	465	200	291
SR3	465	200	300
SR2	465	200	305
SR1	465	200	307
FG01010-SR4	621	166	301
SR3	621	166	310
SR2	621	166	315
SR1	621	166	317
FG01012-SR4	898	116	312
SR3	898	116	321
SR2	898	116	326
SR1	898	116	328
FG01014-SR4	1096	91	322
SR3	1096	91	331
SR2	1096	91	336
SR1	1096	91	338
FG2009-SR6	465	187	359
SR5	465	187	379
SR4	465	187	399
SR3	465	187	414
SR2	465	187	421
SR1	465	187	429
FG2010-SR6	621	141	364
SR5	621	141	384
SR4	621	141	404
SR3	621	141	419
SR2	621	141	426
SR1	621	141	434
FG2012-SR6	898	100	377
SR5	898	100	397
SR4	898	100	417
SR3	898	100	432
SR2	898	100	439
SR1	898	100	447

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FG2014-SR6	1096	81	387
SR5	1096	81	407
SR4	1096	81	427
SR3	1096	81	442
SR2	1096	81	449
SR1	1096	81	457
FG2016-SR6	1443	61	424
SR5	1443	61	444
SR4	1443	61	464
SR3	1443	61	479
SR2	1443	61	486
SR1	1443	61	494
FG3010-SR4	751	200	554
SR3	751	200	568
SR2	751	200	584
SR1	751	200	588
FG3012-SR4	1093	142	570
SR3	1093	142	584
SR2	1093	142	600
SR1	1093	142	604
FG3014-SR4	1337	117	580
SR3	1337	117	594
SR2	1337	117	610
SR1	1337	117	614
FG3016-SR4	1736	90	611
SR3	1736	90	625
SR2	1736	90	641
SR1	1736	90	645
FG3020-SR4	2940	56	675
SR3	2940	56	689
SR2	2940	56	705
SR1	2940	56	709
FG4012-SR4	1281	200	883
SR3	1281	200	943
SR2	1281	200	959
FG4014-SR4	1561	194	895
SR3	1561	194	954
SR2	1561	194	970
SR1	1561	194	980

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FG4016-SR4	2067	147	922
SR3	2067	147	981
SR2	2067	147	998
SR1	2067	147	1007
FG4020-SR4	3277	92	1014
SR3	3277	92	1074
SR2	3277	92	1090
SR1	3277	92	1099
FG4024-SR4	4741	63	1095
SR3	4741	63	1154
SR2	4741	63	1170
SR1	4741	63	1179
FG4028-SR3	6746	45	1319
SR2	6746	45	1335
SR1	6746	45	1344
FG5016-SR4	2603	200	1698
SR3	2603	200	1762
SR2	2603	200	1818
FG5020-SR4	4157	164	1705
SR3	4157	164	1769
SR2	4157	164	1825
SR1	4157	164	1819
FG5024-SR4	6127	112	1815
SR3	6127	112	1879
SR2	6127	112	1935
SR1	6127	112	1929
FG5028-SR4	8659	80	1989
SR3	8659	80	2053
SR2	8659	80	2109
SR1	8659	80	2103
FG5032-SR4	10470	61	2380
SR3	10470	61	2443
SR2	10470	61	2500
SR1	10470	61	2494
FG5036-SR3	13107	48	2710
SR2	13107	48	2766
SR1	13107	48	2760

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FG7020-SR4	4707	200	3189
SR3	4707	200	3104
FG7024-SR4	6826	178	3198
SR3	6826	178	3113
SR2	6826	178	3463
SR1	6826	178	3378
FG7028-SR4	10800	126	3408
SR3	10800	126	3323
SR2	10800	126	3673
SR1	10800	126	3588
FG7032-SR4	13441	96	3698
SR3	13441	96	3613
SR2	13441	96	3963
SR1	13441	96	3878
FG7036-SR4	14851	76	3998
SR3	14851	76	3913
SR2	14851	76	4263
SR1	14851	76	4178
FG70T28-SR3	21600	63	4095
SR2	21600	63	4445
SR1	21600	63	4360
FG8024-SR3	8103	200	5220
SR2	8103	200	5381
SR1	8103	200	5670
FG8028-SR3	11921	172	5356
SR2	11921	172	5516
SR1	11921	172	5806
FG8032-SR3	15791	131	5561
SR2	15791	131	5722
SR1	15791	131	6011
FG8036-SR3	20100	103	6127
SR2	20100	103	6288
SR1	20100	103	6577
FG8040-SR3	24993	84	6390
SR2	24993	84	6551
SR1	24993	84	6840

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FG80T32-SR3	31582	65	6707
SR2	31582	65	6868
SR1	31582	65	7157
FG80T36-SR3	40200	52	7839
SR2	40200	52	8000
SR1	40200	52	8289
FG10028-SR4	16975	200	7208
SR3	16975	200	7568
SR2	16975	200	7958
FG10032-SR4	19550	200	7510
SR3	19550	200	7870
SR2	19550	200	8260
SR1	19550	200	8720
FG10036-SR4	25491	158	8026
SR3	25491	158	8368
SR2	25491	158	8776
SR1	25491	158	9326
FG10040-SR4	31679	128	8298
SR3	31679	128	8658
SR2	31679	128	9048
SR1	31679	128	9508
FG100T32-SR4	39100	100	8755
SR3	39100	100	9115
SR2	39100	100	9505
SR1	39100	100	9965
FG100T36-SR4	50982	80	9607
SR3	50982	80	9967
SR2	50982	80	10357
SR1	50982	80	10817
FG100T40-SR4	63358	64	10103
SR3	63358	64	10463
SR2	63358	64	10853
SR1	63358	64	11313
FG13040-SR4	44244	200	14850
SR3	44244	200	15585
SR2	44244	200	16800
SR1	44244	200	17535

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FG13044-SR4	53958	165	15070
SR3	53958	165	15805
SR2	53958	165	17020
SR1	53958	165	17755
FG13048-SR4	64597	140	15940
SR3	64597	140	16675
SR2	64597	140	17890
SR1	64597	140	18625
FG13052-SR4	76161	120	16080
SR3	76161	120	16815
SR2	76161	120	18030
SR1	76161	120	18765
FG130T40-SR4	90843	100	17150
SR3	90843	100	17885
SR2	90843	100	19100
SR1	90843	100	19835
FG103T44-SR4	110871	83	17605
SR3	110871	83	18340
SR2	110871	83	19555
SR1	110871	83	20290
FG130T48-SR4	132814	70	19240
SR3	132814	70	19975
SR2	132814	70	21190
SR1	132814	70	21925
FG130T52-SR4	156672	60	19240
SR3	156672	60	19975
SR2	156672	60	21190
SR1	156672	60	21925

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