

GOVERNOR STANDARD MODEL

2 PSIG



STANDARD MODEL

MAIN FEATURES

- ANSI Z21.80A-2019 / CSA 6.22A-2019 Class I for outlet pressures up to 14" W.C. certified
- ANSI Z21.18B-2019 / CSA 6.3B-2019 for inlet pressure up to 5 PSIG certified
- Integral Vent Limiter
- External Vent Limiter – no vent line required**
- Positive 100% bubble tight lockup
- Inlet and Outlet test ports
- 500 to 1 Turndown
- Filter included in all models

VENT SIZE

- 1/4" NPT - 1/2" – 1"
- 1/2" NPT – 1 1/4" – 4"

OUTLET SPRING RANGE

- Green 2" W.C. to 5.1" W.C.*
- Red 2.75" W.C. to 7.87" W.C.*
- Black 6" W.C. to 14" W.C.*
- Yellow 9.8" W.C. to 27.5" W.C.
- Violet 23.6" W.C. to 2.13 PSIG
- Orange 2 to 4.26 PSIG

SPECIFICATIONS

- Suitable for use with Natural Gas, LPG, and other non-corrosive, clean gas
- Max. Inlet Pressure: CSA rated - 2 PSIG
Non-CSA applications - 7.25 PSIG
- Outlet Pressure: 2" W.C. to 14" W.C. and up to 4.25 PSIG for non-CSA applications
- Temperature Range: -40°F to 150°F
- Connections: 1/2" - 4"
- Maximum Emergency Inlet Exposure Pressure: 80 PSIG
- Suitable for indoor or outdoor installation***

Do not use 31051, 31052, and 31053 on high efficiency generators or boilers

*Spring is CSA outlet pressure certified **As approved by local codes and standards ***Brass vent limiter must be removed for outdoor installation

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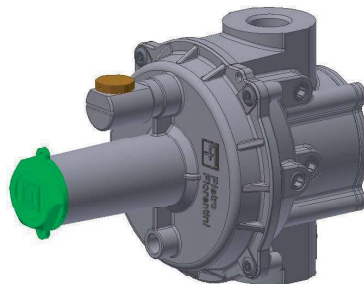
CAPACITY IN CFH FOR .60 SPECIFIC GRAVITY GAS WITH FILTER (CAPACITY WITHOUT FILTER IN BRACKETS)

Tab 3

Model #	Outlet Pressure Set Point	Operating Inlet Pressure		
		14" W.C.	1 PSIG	2 PSIG
31051 ½"	8" W.C.	306 (360)	552 (649)	785 (923)
	11" W.C.	218 (256)	511 (601)	788 (927)
31052 ¾"	8" W.C.	369 (450)	665 (812)	946 (1,154)
	11" W.C.	363 (321)	616 (751)	950 (1,154)
31053 1"	8" W.C.	495 (585)	893 (1,055)	1,154 (1,270)
	11" W.C.	353 (417)	826 (977)	1,154 (1,270)
31150 ½" high capacity	8" W.C.	675 (855)	1,218 (1,543)	1,731 (2,193)
	11" W.C.	481 (609)	1,127 (1,428)	1,738 (2,201)
31151 ¾" high capacity	8" W.C.	788 (1,080)	1,421 (1,949)	2,020 (2,771)
	11" W.C.	561 (770)	1,315 (1,803)	2,028 (2,781)
31152 1" high capacity	8" W.C.	990 (1,283)	1,786 (2,314)	2,540 (3,290)
	11" W.C.	706 (914)	1,653 (2,142)	2,354 (3,302)
31153 1¼"	8" W.C.	2,071 (3,062)	3,735 (5,522)	5,311 (7,851)
	11" W.C.	1,476 (2,183)	3,457 (5,110)	5,330 (7,880)
31154 1½"	8" W.C.	2,567 (3,197)	4,629 (5,766)	6,581 (8,197)
	11" W.C.	1,829 (2,279)	4,284 (5,336)	6,605 (8,228)
31155 2"	8" W.C.	5,179 (5,854)	9,339 (10,557)	13,278 (15,009)
	11" W.C.	3,691 (4,173)	8,643 (9,770)	13,327 (15,065)
31156/F 2½"	8" W.C.	6,530 (7,431)	11,775 (13,999)	16,741 (19,051)
	11" W.C.	4,655 (5,297)	10,898 (12,401)	16,803 (19,121)
31157/F 3"	8" W.C.	7,205 (9,007)	12,993 (16,242)	18,473 (23,092)
	11" W.C.	5,136 (6,240)	12,025 (15,032)	18,542 (23,177)
31158/F 4"	8" W.C.	12,835 (15,762)	23,245 (28,424)	32,906 (40,411)
	11" W.C.	9,149 (11,236)	21,420 (26,306)	33,027 (40,560)

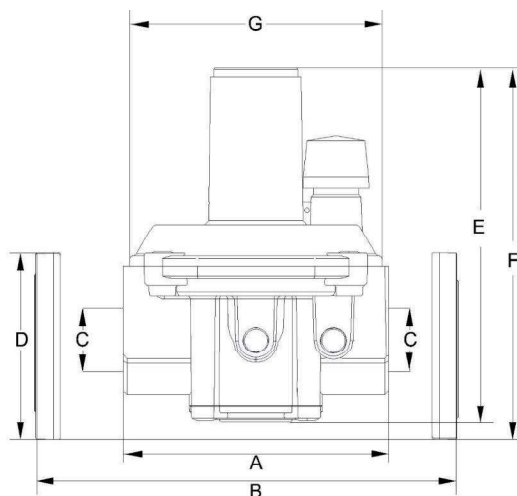
NOTE: for capacities at 1.5 PSIG inlet pressure capacity is reduced by 10% or a .9 multiplier from the 2 PSIG table.

For additional sizing, visit www.linepressureregulator.com • 800.554.1036



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STANDARD MODEL DIMENSIONS



Tab 6

Model	Size	A	B	C	D	E	F	G*	Weight (lbs)
PF400S	3/8 NPT	3.90	-	3/8	-	3.42	-	3.10	0.56
PF400S	1/2" NPT	3.90	-	1/2	-	3.42	-	3.10	0.56
31051	1/2" NPT	4.09	-	1/2	-	5.59	-	3.78	1.61
31052	3/4" NPT	4.09	-	3/4	-	5.59	-	3.78	1.55
31053	1" NPT	4.09	-	1	-	5.59	-	3.78	1.47
31150	1/2" NPT	4.72	-	1/2	-	6.89	-	4.49	2.22
31151	3/4" NPT	4.72	-	3/4	-	6.89	-	4.49	2.16
31152	1" NPT	4.72	-	1	-	6.89	-	4.49	2.01
31153	1 1/4" NPT	7.68	-	1 1/4	-	10	-	7.56	7.92
31154	1 1/2" NPT	7.68	-	1 1/2	-	10	-	7.56	7.76
31155	2" NPT	9.29	-	2	-	12.44	13.74	7.56	12.18
31156/F	2 1/2" FLANGED	-	16.9	3	ANSI 150	-	17.09	12.52	35.00
31157/F	3" FLANGED	-	16.9	3	ANSI 150	-	17.09	12.52	34.00
31158/F	4" FLANGED	-	16.9	4	ANSI 150	-	19.76	12.52	32.00

* (G) Dimensions is the width of the regulator Test connections 1/8" NPT