P912 Pressure Regulator

- Versatile
- Control Accuracy
- Compact Design
- Removable Vent Screen

The Type P912 pressure regulator functions as a pneumatic pressure controlling device with an adjustable set point. The P912 can be used in a variety of applications in which accurate pressure regulation is required. The internal relief feature allows the regulator to respond quickly and to relieve excessive pressure.

Applications

Applicable to a wide range of gaseous fluids, including air, natural gas and propane. Can be used as a LP regulator.

Specifications

	P912		
Inlet	1/4 NPT		
Outlet	1/4 or 3/8 NPT		
Temperature Range	-20 to 170 ºF (-29˚ to 77˚C)		
Outlet Pressure Ranges	3-7 inches WC	7 to 17 mBAR	
	5-10 inches WC	12 to 25 mBAR	
	9.25-13 inches WC	23 to 32 mBAR	U.L. 144 Listed
	10 inches WC-1.05 PSIG	25 to 72 mBAR	
	0.8-2.7 PSIG	55-186 mBAR	U.L. 144 Listed
	2.7-5 PSIG	186-340 mBAR	U.L. 144 Listed
Maximum allowable inlet pressure	250 PSIG (17.3 BAR)		
Approximate Weight	1.3 lbs.	0.59 kg	

Materials of Construction

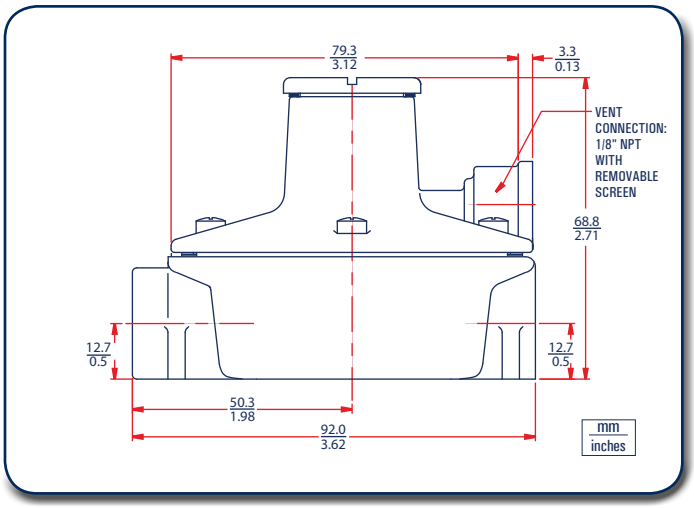
	P912
Body, Bonnet	Zinc
Diaphragm	Nitrile
Diaphragm Assembly	Zinc/Nitrile
Gaskets	Non-asbestos, CGR 2750
Pin	Stainless Steel
Vent screen	Monel
Spring	Zinc-Plated Steel
Diaphragm Piston	Zinc-Plated Steel

Output Pressure Settings	Outlet Pressure Setting	Spring Part Number	Offset	Capacity in SCFH (m3/h) of 0.6 Specific Gravity Natural Gas								
				Inlet Pressure, PSIG/BAR								
				5	10	25	50	75	100	150	200	250
				0.34	0.69	1.7	3.4	5.2	6.9	10	14	17
5 inches WC	3 to 7 inches WC	655-681-000	1 inch WC	50	65	75	100					
12 mBAR	7 to 17 mBAR		2.5 mBAR	1.34	1.74	2.01	2.68					
7 inches WC	5 to 10 inches WC	655-682-000	1 inch WC		75	112	155	155	155	155	155	
17 mBAR	12 to 25 mBAR		2.5 mBAR		2.01	3.0	4.15	4.15	4.15	4.15	4.15	
11 inches WC	9-1/4 to 13 inches WC	655-683-000	1 inch WC		75	140	155	155	155	155	155	155
27 mBAR	23 to 32 mBAR		2.5 mBAR		2.01	3.75	4.15	4.15	4.15	4.15	4.15	4.15
15 inches WC	10 inches WC to 1.05 PSIG	655-684-000	2 inch WC		68	100	135	150	160	190	200	200
27 mBAR	25 to 72 mBAR		5 mBAR		1.82	2.68	3.62	4.02	4.29	5.09	5.36	5.36
1 psig	0.8 to 2.7 psig	655-695-000	10%		40	40	85	90	100	155	160	185
					1.47	1.07	2.28	2.41	2.68	4.15	4.29	4.96
69 mBAR	55 to 186 mBAR		20%		55	100	135	155	185	240	285	300
					1.47	2.68	3.62	4.15	4.96	6.43	7.64	8.04
2 psig	0.8 to 2.7 psig	655-695-000	10%		50	85	105	130	145	200	260	300
					1.34	2.28	2.81	3.48	3.89	5.36	6.97	8.04
140 mBAR	55 to 186 mBAR		20%		70	120	180	240	300	400	450	500
					1.88	3.22	4.82	6.43	8.04	10.7	12.1	13.4
5 psig	2.7 to 5 psig	655-696-000	10%		68	85	135	170	200	325	400	500
					1.82	2.28	3.62	4.56	5.36	8.71	10.7	13.4
340 mBAR	186 to 340 mBAR		20%		75	135	200	280	360	560	685	750
					2.01	3.62	5.36	7.50	9.65	15.0	18.4	20.1

P912 Part Matrix

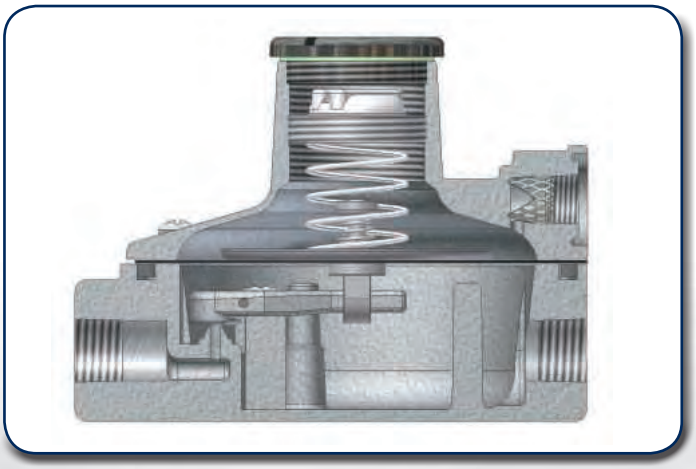
P912			1	0	0	0	0	0	
	▲	▲	▲	▲	▲	▲	▲	▲	Outlet Port Size
	02								1/4
	03								3/8
									Output Pressure
		020							3" - 7" WC
		040							5" - 10" WC
		060							9.25" - 13" WC
		080							10" WC-1.05 PSIG
		100							0.8 - 2.7 PSIG
		120							2.7 - 5 PSIG
			1	0	0	0	0	0	

P912 Dimensions



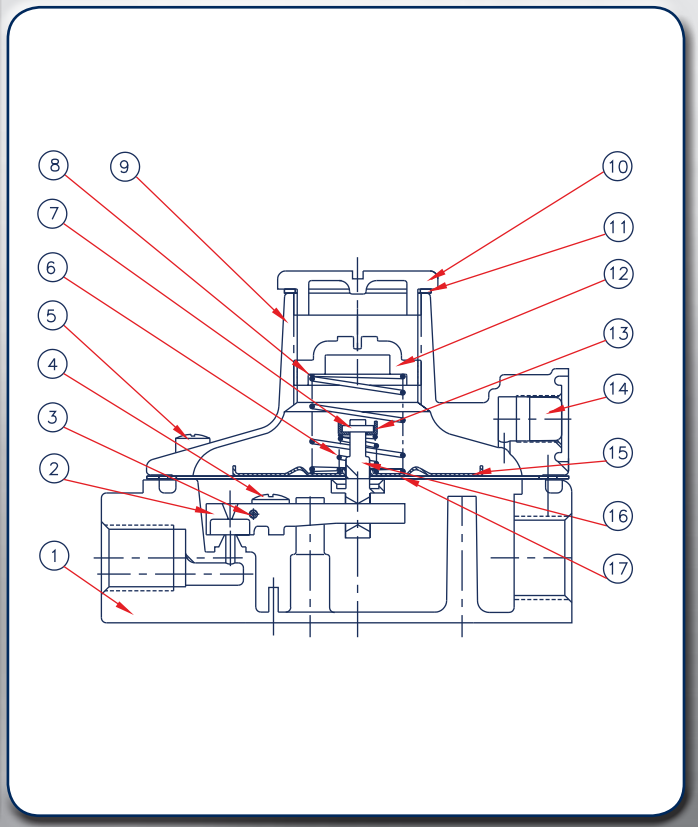
P912 Regulator Rebuild Kits

For Spring Ranges	Kit Includes	Part No.
3 - 7 " WC & 5 - 10 " WC	Arm Assembly, CRG Gasket. Monel Screen, Nitrile Diaphragm	971-912-200
9.25 - 13 " WC & 10 " WC - 1.05 psig	Arm Assembly, CRG Gasket. Monel Screen, Nitrile Diaphragm	971-912-100
0.8 - 2.7 psig & 2.7 - 5 psig	Arm Assembly, CRG Gasket. Monel Screen, Nitrile Diaphragm	971-912-000



P912 Parts

Item	Description		Part Number
1	Body	3/8 NPT Port, Zinc	664-310-000
		1/4 NPT Port, Zinc	664-311-000
2	Arm Assembly, Nitrile/Zinc	For 3-7" WC and 5-10" WC Only	827-012-000
		For All other ranges	827-009-000
3	Rod, Stainless Steel		646-540-000
4	Machine Screw, 5/16", plated steel (qty. 2)		648-000-417
5	Machine Screw, 3/8", plated steel (qty. 6)		648-000-418
6	Backup spring, plated steel (2.7 - 5.0 PSIG Range)		655-685-000
	Backup spring, plated steel (All Ranges Other than 2.7 - 5 PSIG)		655-715-000
7	Pin, Stainless Steel		635-062-000
8	Range Spring	3-7" WC red, plated steel	655-681-000
		5-10" WC orange, plated steel	655-682-000
		9.25-13" WC cadmium, plated steel	655-683-000
		10" WC-1.05 PSIG, blue, plated steel	655-684-000
		0.8-2.7 PSIG, yellow, plated steel	655-695-000
		2.7-5 PSIG, green, plated steel	655-696-000
9	Bonnet, Zinc		604-226-000
10	Closing Cap, Acetal		610-055-000
11	Gasket, Non-asbestos CGR 2750		624-064-000
12	Adjusting Screw, Acetal		648-000-419
13	Spring Seat, Plated Steel		650-128-000
14	Screen, Monel		647-019-000
15	Diaphragm Piston, Plated Steel		637-313-000
16	Poppet, Zinc		640-001-000
17	Diaphragm, Nitrile	(0.8 - 2.7 PSIG & 2.7 - 5.0 PSIG Ranges Only)	600-498-000
		(All Ranges Other than 0.8 - 2.7 PSIG & 2.7 - 5.0 PSIG)	600-506-000



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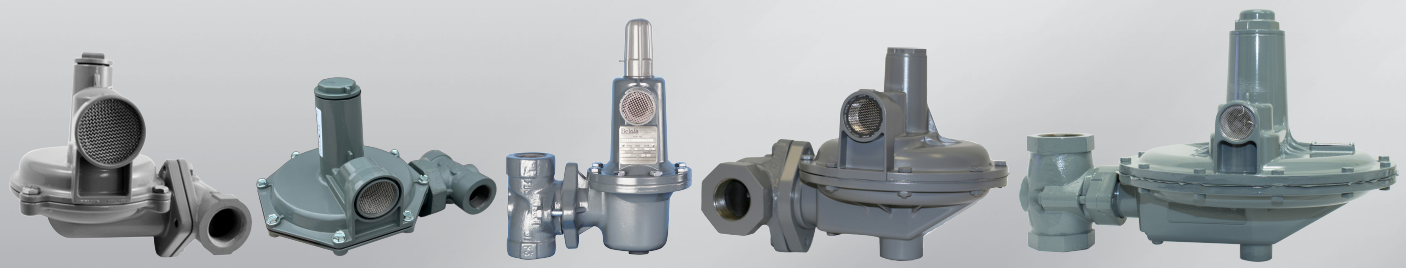

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