

Regulators

Back Pressure Regulators



ABP1 (Catalog 4510)

- Reduce contamination and accurately control back pressure
- Internally threadless design
- Convoluted Hastelloy C-22® diaphragm
- Integral diaphragm stop



ABP3 (Catalog 4510)

- Internally threadless design
- Provides sensitive pressure adjustments
- Large convoluted Hastelloy C-22® diaphragm
- Integral diaphragm stop



BPR50 (Catalog 4510)

- For use with corrosive and non-corrosive fluids
- Adjustable from 100 psi (6.7 bar) to 2000 psi (138 bar)
- Piston sensed high pressure back pressure regulator

Regulator Groups	Model Series	Type	Pressure		Cv		Body Material			Connections		Catalog
			Maximum Inlet Pressure	Maximum Outlet Pressure	Min	Max	316L SS	Hastelloy C-22®	Monel®	Min FNPT	Max FNPT	
Back Pressure	ABP1	General Purpose	Up to 500 psig 34 barg		0.06	0.30	X	X	X	1/8"	1/4"	4510
	ABP3	Sensitive	Up to 60 psig 4 barg		0.06	0.30	X	X		1/8"	1/4"	4510
	BPR50	High Pressure	Up to 2500 psig 172 barg		0.45	0.45	X			1/4"	1/4"	4510

Vaporizing Regulators



AVR3 (Catalog 4512)

- Steam heat design
- Field serviceable heat transfer element
- Internally threadless design
- Internal liquid volume only .5cc
- Convoluted Hastelloy C-22® diaphragm



AVR4 (Catalog 4512)

- Electrical heat design
- Field serviceable heat transfer element
- CSA, Cenelec, and ATEX certified
- Internally threadless design
- 120v or 240v, 50/60 Hz
- Convoluted Hastelloy C-22® diaphragm

Regulator Groups	Model Series	Type	Pressure		Cv		Body Material		Connections		Catalog
			Maximum Inlet Pressure	Maximum Outlet Pressure	Min	Max	316L SS	MONEL®	Min FNPT	Max FNPT	
Vaporizing Regulators	AVR3	Steam Heated	4000 psig 276 barg	500 psig 34 barg	0.06	0.06	X	X	1/8"	1/8"	4512
	AVR4	Electrically Heated	4000 psig 276 barg	500 psig 34 barg	0.06	0.06	X	X	1/8"	1/8"	4512



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