Regulators

Pressure Regulators

VERIFLO
ISO 9001 Certified
www.parker.com/veriflo

NPR4100 (Catalog 4511)

- Negative pressure regulation
- Internally threadless design
- Convoluted Hastelloy C-22® diaphragm
- For delivery of low pressure gases from liquid sources
- White knob indicates negative pressure

IR4000 Series (Catalog 4511)

- Internally threadless design
- Convoluted Hastelloy C-22® diaphragm
- Integral diaphragm stops prevent oil canning
- Seals available for nitrous oxide and hydrocarbon applications
- Low dead volume
- General purpose for instrument/analyzer and semiconductor applications

IR5000 Series (Catalog 4511)

- Internally threadless design
- Large convoluted Hastelloy C-22® diaphragm
- Greater sensitivity for precise pressure control
- For analyzer system gas management and instrument calibration

HFR900 (Catalog 4511)

- High flow regulator
- Self-contained replaceable valve seat
- For corrosive and noncorrosive fluid applications

IR6000 Series (Catalog 4511)

- Dual stage regulator
- Internally threadless design
- Convoluted Hastelloy C-22® diaphragm
- Virtually eliminates supply pressure effect
- Provides cylinder gas pressure reduction in refineries, process analytical systems and specialty gases

APR66 (Catalog 4511)

- High pressure piston sensing regulator
- Low actuating torque
- Pressures up to 6000 psig (413.7 barg)

Quantum 959 (Catalog 4511)

- Tied diaphragm design to minimize regulator creep
- Internally threadless design
- Metal to metal diaphragm seal

DM3000 (Catalog 4518)

- Miniature pressure regulator for gas instrumentation applications
- ANSI/ISA SP76.00.02 modular surface mount interface
- No threads in wetted area
- Critically dampened to improve flow stability
- Faster purge times

Regulator Groups	Model Series	Type	Pressure		Cv		Body Material				Connections				Catalog
			Maximum Inlet Pressure	Maximum Outlet Pressure	Min	Max	316L SS	Brass	Hastelloy C-22®	MONEL®	Min FNPT	Max FNPT	Compression	Face Seal or Tube	
Single Stage	NPR4100	Absolute Pressure	250 psig 17 barg	-26 in Hg to 10 psig -1.8 in Hg to .7 barg	0.02	0.15	x	x	x	x	1/8"	3/8"	x		4511
	IR4000	General Purpose	4000 psig 276 barg	500 psig 34 barg	0.02	0.15	x	x	x	x	1/8"	3/8"	x		4511
	IR5000	Sensitive	3500 psig 241 barg	250 psig 17 barg	0.02	0.15	x		x		1/8"	1/2"	x		4511
	HFR900	High Flow	500 psig 34 barg	150 psig 10 barg	0.85	0.85	x	x			1/4"	1/2"	x		4511
	APR66	High Pressure	6000 psig 414 barg	6000 psig 414 barg	0.04	0.04	x	x			1/8"	1/4"			4511
	Quantum 959	Tied Diaphragm	3500 psig 241 barg	150 psig 10 barg	0.04	0.20	x		x		1/4"	1/4"		x	4511
	DM3000	Surface Mount					x								4518