

HIGH PRESSURE REGULATORS - GAS



LF-301

Economical piston sensed regulator with two sensor sizes to control to 70bar (12mm sensor) or 180bar (8mm sensor).

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing	Venting option
1/4"	0.06	Gas	210bar 3000psi	PCTFE	180bar 2600psi	Piston	Non venting
			300bar 4350psi	PEEK			



LF-540

High Pressure regulator with sensitive piston sensed elements and unbalanced main valve for positive shut off. Two sensor sizes provide accurate control with low torque adjustment. Non captured self vent or non venting options.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4"	0.1	Gas	550bar 8000psi	PEEK	414bar 6000psi	Piston	Non / Self venting



LF-550

Same features as LF-540 but with higher inlet pressure rating and removable seat cartridge assembly. Three sensor sizes provide accurate control with low torque adjustment. Non captured self vent or non venting options.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4"	0.1	Gas	690bar 10000psi	PEEK	690bar 10000psi	Piston	Non / Self venting



LF-692

High spec high pressure regulator with 3 sensor ranges to control up to 690bar. Lower entry plug for quick access and servicing of PEEK seat. Self venting with captured vent port.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4"	0.1	Gas	690bar 10000psi	PEEK	690bar 10000psi	Piston	Non / Self venting captured



MINI-301

Extremely compact regulator with high inlet pressure rating to 690bar - originally designed for use on Hydrogen Fuel Cell applications.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/8"	0.06	Gas	690bar 10000psi	PCTFE	350bar 5100psi	Piston	Non venting



MF-101

Simple and accurate piston sensed regulator for medium flow applications on liquid or gas applications. As standard with an unbalanced main valve or optional balanced main valve allows inlet pressure to 300bar.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4"	0.5	Gas	100bar 1500psi 300bar(mod) 4350psi	PCTFE PEEK	35bar 500psi	Piston	Non / Self venting



MF-230 MF-231

Versatile and economical regulator for gas applications. Teflon lined diaphragm and piston sensed options, with balanced main valve to minimise load on seat and provide stable control. Easy to access seat cartridge from base of regulator.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/2"	1.0	Gas	230bar 3350psi	PCTFE	10bar 150psi 200bar 2900psi	Diaphragm Piston	Non / Self venting



MF-300 MF-301

Economical piston sensed regulator with two precision machined sensing elements for accurate control of pressure on 'Medium Flow' applications. Balanced main valve to minimise load on seat and provide stable control.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/2" 3/4"	2.0	Gas	300bar 4350psi	PCTFE	250bar 3625psi	Piston	Non / Self venting



MF-400 MF-401

Versatile non venting regulator for liquid and gas applications. Diaphragm sensed element for sensitive control to 10bar and range of piston elements for higher outlet ranges to 400bar.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/2" 3/4"	2.0	Gas Liquid	400bar 5800psi	PCTFE PEEK	10bar 150psi 400bar 5300psi	Diaphragm Piston	Non venting



MF-414G

Piston sensed regulator with captured self vent to safely pipe away flammable or toxic gases. Long spring chamber to minimise droop effect under flowing conditions.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/2" 3/4"	2.0	Gas	414bar 6000psi	PEEK	414bar 6000psi	Piston	Non / Self venting captured

HIGH PRESSURE REGULATORS - HYDRAULIC



HYD-691

Economical hydraulic regulator with ceramic (HYD691) seating and captured self vent all built into a compact design. Ideal for oil based applications.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4" 3/8"	0.06	Liquid	690bar 10000psi	Ceramic	690bar 10000psi	Piston	Non / Self venting captured



LGC-690

Specially designed regulator for control of low outlet pressures typically used on logic control systems where control of setpoint has to be within +/-1bar accuracy. Features include balanced main valve, diaphragm sensed element, and lower entry access to seating cartridge with built in filter.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4" 3/8"	0.3	Liquid	414bar 6000psi	PEEK	10bar 150psi	Piston	Non / Self venting captured



LF-690 LF-691

Innovative market leading design with ceramic seating that lasts 5 times longer than metal seated alternatives. Easy to access seat cartridge and fully supported main valve to minimise unstable resonating. Supplied with segregated captured vent as standard. Ideal for water glycol.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/4" 3/8"	0.05 0.1	Liquid	1380bar 20000psi	Ceramic Vespel™	1380bar 20000psi	Piston	Non / Self venting captured



MF-414H

Medium Flow regulator with same ceramic seating features as LF-690. Balanced Main Valve to minimise load on seats and ensure stable pressure control. Also supplied with segregated captured vent as standard.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1/2" 3/4"	2.0	Liquid	414bar 6000psi	Ceramic Vespel™	414bar 6000psi	Piston	Non / Self venting captured

HIGH FLOW REGULATORS



HF-300G/H HF-301G/H

High flow regulator with diaphragm or piston sensed options for use on liquid or gas applications.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1"	4.0	Gas Liquid	300bar 4350psi	PCTFE Vespe ^l ™	10bar 150psi	Diaphragm	Non venting
					300bar 4350psi	Piston	



HF-250G/H HF-251G/H

High flow regulator with diaphragm or piston sensed options for use on liquid or gas applications.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
1 1/2"	7.0	Gas Liquid	250bar 3625psi	PCTFE Vespe ^l ™	10bar 150psi	Diaphragm	Non venting
					250bar 3625psi	Piston	



HF-210G/H HF-211G/H

High flow regulator with diaphragm or piston sensed options for use on liquid or gas applications. Spring / dome loaded option.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
2"	13.0	Gas Liquid	210bar 3000psi	PCTFE Vespe ^l ™	10bar 150psi	Diaphragm	Non venting
					200bar 2900psi	Piston	



HF-200G/H HF-201G/H

High flow regulator with diaphragm or piston sensed options for use on liquid or gas applications.

Port size	Cv	Service	Max inlet	Seat	Max outlet	Sensing element	Venting option
3"	30.0	Gas Liquid	200bar 2900psi	PCTFE Vespe ^l ™	10bar 150psi	Diaphragm	Non venting
					150bar 2175psi	Piston	