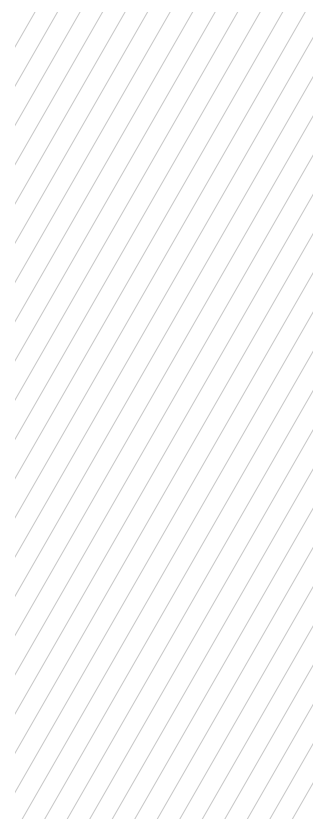




DIAPHRAGM VALVE

- 100% Helium Leak Test performed
- Assembling, testing & Packaging in cleanroom
- Reverse seat design for high life cycle
- Individual serial number for full traceability
- Electropolished surface
- Fluid specific seat material as standard options
- Low internal volume
- 316L VAR® stainless steel double melt per SEMI F20 option available
- Multiturn handwheel with open/close indicator
- Loto option
- Pneumatic version available
- Indicative switch option

RX08



RX08F | HIGH PERFORMANCE UHP LINE VALVES

SPECIFICATIONS

Max. inlet pressure See table next page	Pneumatic actuator opening pressure 5 to 7 bar (73 to 102 psig)*	Certified max. Helium outboard leak rate $\leq 1 \times 10^{-9}$ mbar.l/s
Temperature range See table next page	Nominal seat diameter 8 mm (0.31")	Certified max. Helium across the seat leak rate (at max. pressure) $\leq 1 \times 10^{-9}$ mbar.l/s
Wetted volume $< 1.6 \text{ cm}^3$	Flow capacity (Cv) 0.5	Certified max. Helium inboard leak rate (at max. pressure) $\leq 1 \times 10^{-9}$ mbar.l/s
Burst pressure > 700 bar (10152 psig)		

CONSTRUCTION MATERIAL

	Parts	Material
Wetted parts	Body	SS 316L, VAR
	Seat	PCTFE, PVDF, VESPEL®
	Diaphragm	Phynox®
Non-wetted parts	Backup diaphragm	Phynox®
	Handwheel	Plastic (MT)
	Actuator Body	SS 316L or Aluminium
	Others	Stainless Steel, Alloys, brass

SURFACE FINISH

S	Ra 0.4 µm (15 µin)
V	Ra 0.25 µm EP (10 µin)

VALVE VERSION / MAX. WORKING PRESSURE

Valve	Max. working pressure
RX08F (LM) Multiturn handwheel ^{1 2}	20 bar
RX08F (HM) Multiturn handwheel ^{1 2}	240 bar
RX08F (LP) Pneumatically actuated	20 bar
RX08F (HP) Pneumatically actuated	240 bar

¹ FT (Panel Mounting) option available

² MSF LOTO option available

³ Position indication switch available

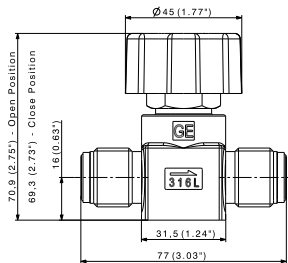
TEMPERATURE RANGE

Seat (Actuation type)	Temperature Range
PCTFE / PVDF (manual & pneumatic*)	-40°C to +65°C (-40°F to +149°F)
Vespe® (manual & pneumatic*)	-40°C to +150°C (-40°F to +302°F)
*-20C° pneumatic versions	

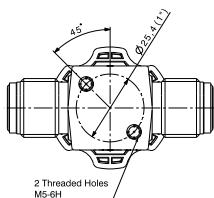
SCAN ME FOR FLOW
CURVES & PRODUCT
CONFIGURATOR



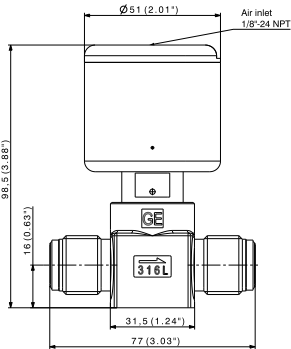
RX08F – MULTI-TURN VALVE
(LM, HM) WITH OPEN/CLOSE WINDOW



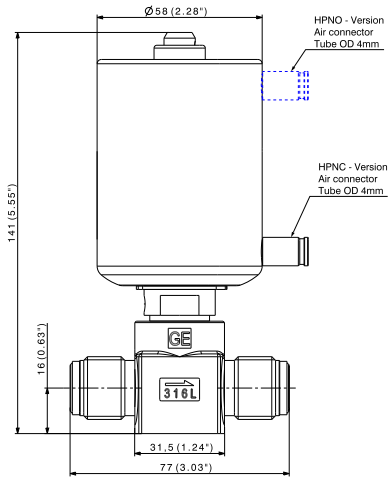
RX08F - BOTTOM VIEW



RX08F – PNEUMATIC VALVE
MEDIUM PRESSURE (LPNC, LPNO)



RX08F - PNEUMATIC VALVE HIGH
PRESSURE (HPNC, HPNO)



PRODUCT CONFIGURATOR

	Body type		Surface Finish		Max. Delivery Pressure		Porting Configuration		Body Material		Body Material		End Connection		Options	
RX08	F		S		BP		2W1		-		K		6MI6MI			
	Forged body	F	Ra 0.4 µm (15 µin)	S	Multi-Turn Handwheel (20 bar)	LM	2W1	2W1	SS 316L	-	PCTFE (Kel-F®)	K	Metal face seal 3/8" - Male fix	6MI	Panel Mounting	FT
				V	Multi-Turn Handwheel (240 bar)	HM			VAR**	A	PI (Vespel®)	V			Electric limit switch***	CI
			Ra 0.25 µm EP (10 µin)		Pneumatically (20 bar)	LP*					PVDF	P			LOTO	MSF
					Pneumatically (240 bar)	HP*										

* Add NO for normally open or NC for normally closed
** On demand
*** On HP and LP actuators only



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