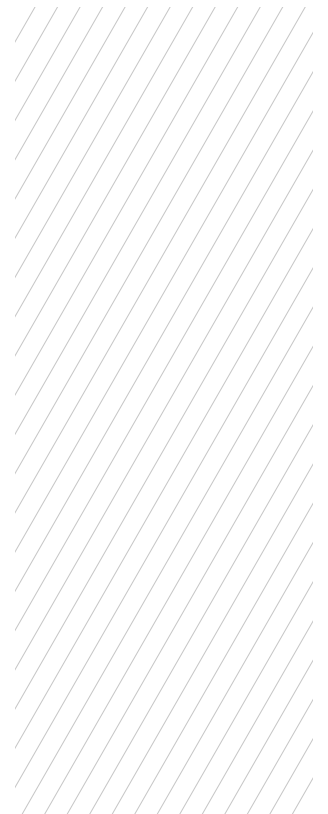




DIAPHRAGM VALVE

- 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

RX04F



RX04F | HIGH PERFORMANCE UHP LINE VALVES

SPECIFICATIONS

Max. inlet pressure See table below	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 below	Nominal seat diameter 4 mm (0,16")	Certified max. Helium across the seat leak rate (at max. pressure) $\leq 1 \times 10^{-9}$ mbar.l/s
Wetted volume < 1.2 cm ³	Flow capacity (Cv) 0.2	Certified max. Helium inboard leak rate (at max. pressure) $\leq 1 \times 10^{-9}$ mbar.l/s
Burst pressure >700 bar (10,152 psig)		

CONSTRUCTION MATERIAL

	Parts	Material
Wetted parts	Body	SS 316L, VAR
	Seat	PCTFE, PVDF, VESPEL®
	Diaphragm	Phynox®
Non-wetted parts	Backup diaphragm	Phynox®

SURFACE FINISH

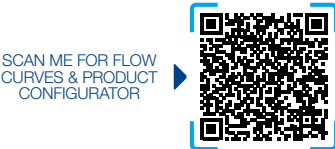
S	Ra 0.4 µm (15 µin)
V	Ra 0.25 µm EP (10 µin)

VALVE VERSION / MAX. WORKING PRESSURE

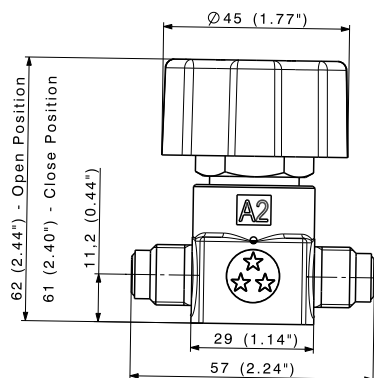
Valve	Max. working pressure
RX04-F (LM) Multiturn handwheel	20 bar
RX04-F (HM) Multiturn handwheel	240 bar
RX04-F (BP*) Pneumatically actuated	10 bar
RX04-F (LP*) Pneumatically actuated	20 bar
RX04-F (HP*) Pneumatically actuated	240 bar

TEMPERATURE RANGE

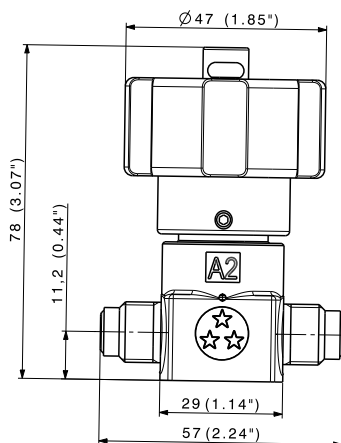
Seat (Actuation type)	Temperature Range
PCTFE / PVDF (manual & pneumatic*)	-40°C to +65°C (-40°F to +149°F)
Vespe® (manual & pneumatic*)	-40°C to +150°C (-40°F to +302°F)
*-20C° pneumatic versions	



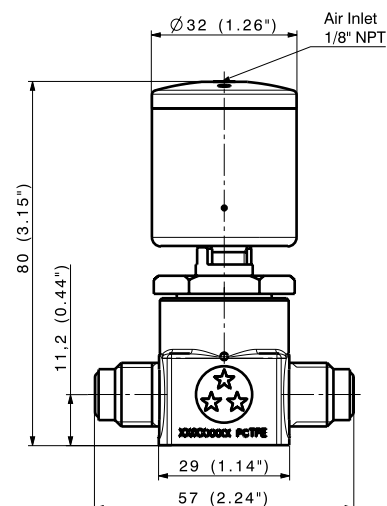
**RX04F – MULTI-TURN VALVE
(LM, HM) WITH OPEN/CLOSE WINDOW**



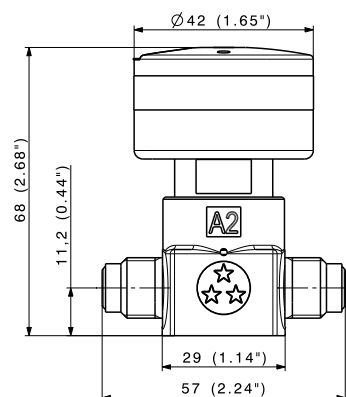
**RX04F – MULTI-TURN VALVE (MSF)
WITH OPEN/CLOSE WINDOW**



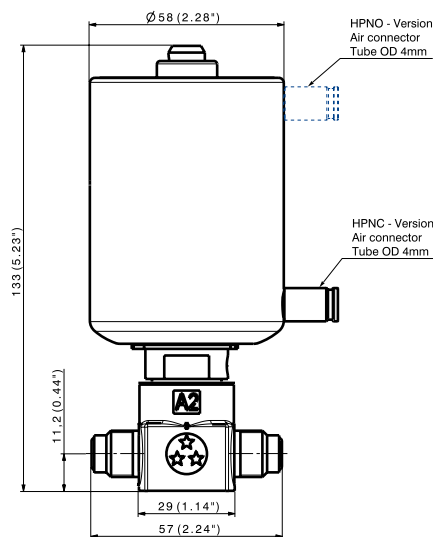
**RX04F – PNEUMATIC VALVE LOW
PRESSURE (BPNC, BPNO)**



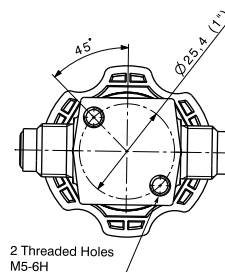
**RX04F – PNEUMATIC VALVE
MEDIUM PRESSURE (LPNC, LPNO)**



**RX04F – PNEUMATIC VALVE HIGH
PRESSURE (HPNC, HPNO)**



RX04F – BOTTOM VIEW



PRODUCT CONFIGURATOR

	Body type	Surface Finish		Max. delivery pressure		Porting Configuration		Body Material		Body Material	End Connection		Options			
RX04	F	S		BP		2W1		-		K	4MI4MI					
	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 ¼" - Male fix	4MI	Panel Mounting	FT
			Ra 0.25 µm EP (10 µin)	V	Multi-Turn Handwheel (240 bar)	HM			VAR**	A	PI (Vespel®)	V			Electric limit switch***	CI
					Pneumatically actuated (10 bar)	BP*					PVDF	P			LOTO	MSF
					Pneumatically actuated (20 bar)	LP*										
					Pneumatically actuated (240 bar)	HP										

* Add NO for normally open or NC for normally closed

** On demand

*** On HP and LP actuators only

All specifications and dimensions are subject to change without notice



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