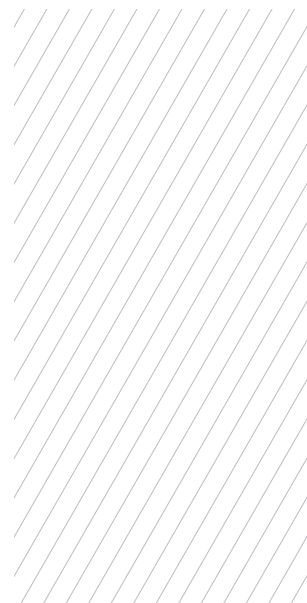




DIAPHRAGM LOADED HIGH PRESSURE REGULATOR FOR HP & UHP APPLICATIONS

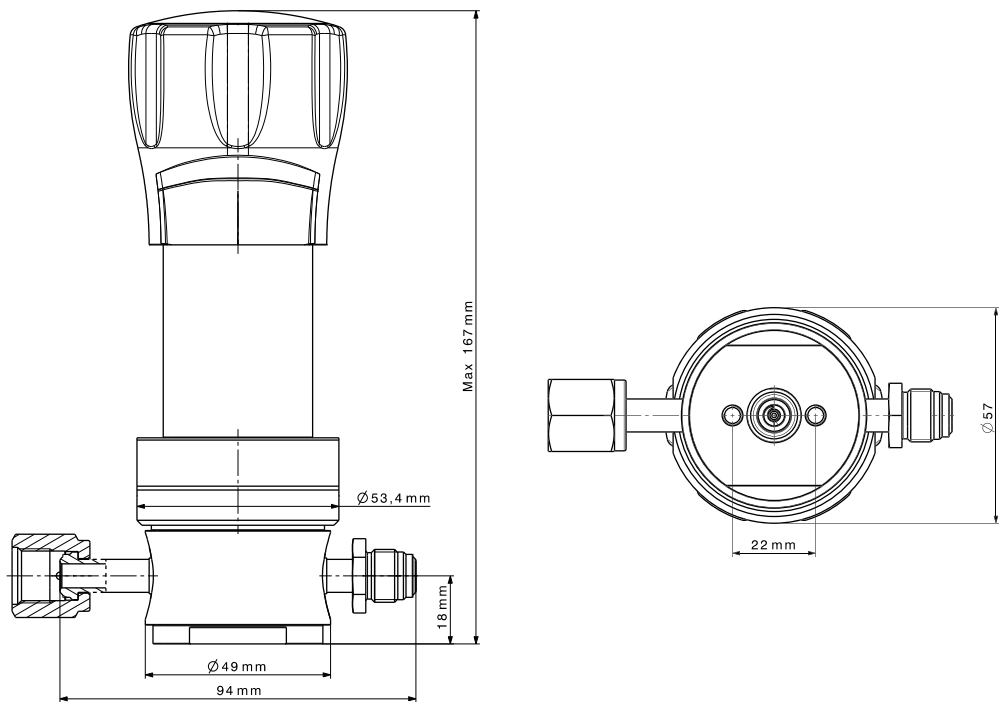
- Unique threadless design in all versions for a higher purity level
- Optimized supply pressure effect and excellent flow stability
- Life duration according to CGA E4
- Vacuum to 310 bar (4,500 psig) inlet
- Assembling, testing & packaging in cleanroom: Class ISO 4
- Individual serial number for full traceability
- Electropolished surface per SEMI F19 UHP Grade
- 316L VAR® stainless steel double melt per SEMI F20 option available

RX3600



RX3600 | HIGH PRESSURE DIAPHRAGM REGULATOR

FOR THE HIGHEST LEVEL OF PURITY



SPECIFICATIONS

Max. inlet pressure	Poppet type	Certified max. Helium outboard leak rate
240/310 bar (3,500/4,500 psig)	Free diaphragm	$\leq 1 \times 10^{-9}$ mbar.l/s
Outlet pressure	Burst pressure	Certified max. Helium across the seat leak rate (at max. pressure)
34/100 bar (500/1,450 psig)	300% of operating pressure	$\leq 1 \times 10^{-8}$ mbar.l/s
Temperature range	Proof pressure	Certified max. Helium inboard leak rate (at max. pressure)
-20°C to +65°C (-4°F to +149°F)	150% of operating pressure	$\leq 1 \times 10^{-9}$ mbar.l/s

Flow capacity (Cv)	0.15
Supply pressure effect I*	5

*1 bar / 100 bar inlet pressure change

CONSTRUCTION MATERIAL

	Parts	Material
Wetted parts	Body	SS 316L, VAR
	Seat	PCTFE, (VESPEL® optional)
	Diaphragm	SS 316L (Hastelloy optional)
	Poppet	SS 316L (Hastelloy optional)
	Spring	SS 316L (Hastelloy optional)
	Spring Holder	SS 316L
Non-wetted parts	Bonnet	SS 303
	Handwheel	PA 6.6
	Others	Stainless Steel and Brass

SURFACE FINISH

S	Ra 0.4 µm (15 µin)
V	Ra 0.25 µm EP (10 µin)
U	Ra 0.13 µm EP (5 µin)

SCAN ME FOR FLOW CURVES & PRODUCT CONFIGURATOR



PRODUCT CONFIGURATOR

	Regulator type	Outlet pressure		Seat material		Cv value		Body material	Surface finish		Porting Configuration		Connections		Actuation type	Inlet pressure		Options			
RX	36	K		K		015		S	V		2W1		4F4F		M	240		HPG0			
High outlet pressure with diaphragm (Free diaphragm)	36	34 bar (500 psig)	K	PCTFE*	K	0.15	015	Stainless Steel AISI 316L	S	Ra 0.4 µm (15 µin)	S	2 ports	2 W 1	¼" Female VCR	4F	Hand-wheel	M	240 bar (3,500 psig)*	240	Hastelloy Trim	H
		100 (1,450 psig)	L	Vespel	V			Stainless Steel AISI 316 AOD Var	V	Ra 0.25 µm EP (10 µin)	V	3 ports	3 W 4	¼" Male VCR	4M			310 bar (4,500 psig)	310	Gauge (bar/PSI)	P G 0
									U	4 ports	4 W 6	Gauge (MPa)	P G 1								

* PCTFE seat only available for a maximum inlet pressure of 240 bar (3,500 psig)



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