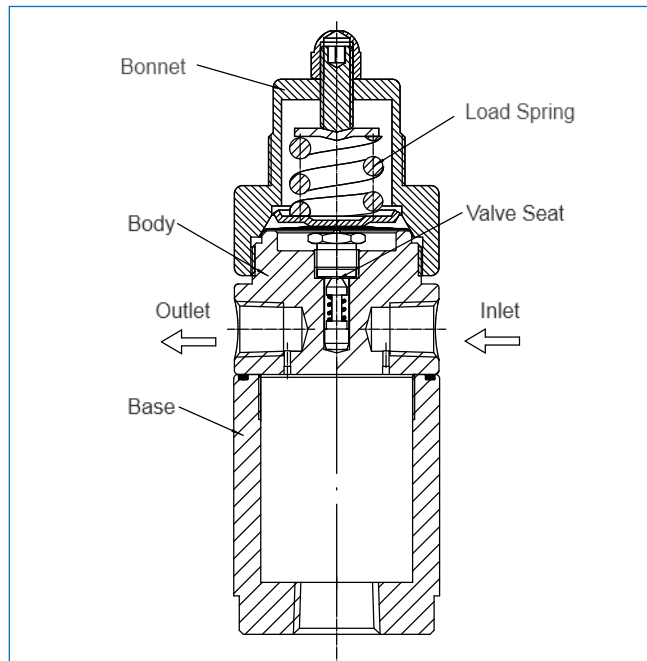




» **R81SLAV-DFW-00-00**

Materials

- **Body** 316L Stainless Steel
- **Bonnet** 316L Stainless Steel
- **Seat** Vespel®
- **Diaphragm** 316L Stainless Steel
- **Adjusting Knob** Stainless Steel



GENTEC® R81SL Series Steam Heated Vaporizing Regulator is a diaphragm sensed single-stage regulator, is designed to heat and/or vaporize a gas or liquid sample before entering an analyzer system.

Product Features

- Metal-to-Metal Seal
- Inlet & Outlet Port Size: 1/4" NPT(F)
- Steam heating connection
- Inlet Port Size: 1/4" NPT(F)
- Outlet Port Size: 1/2" NPT(F)

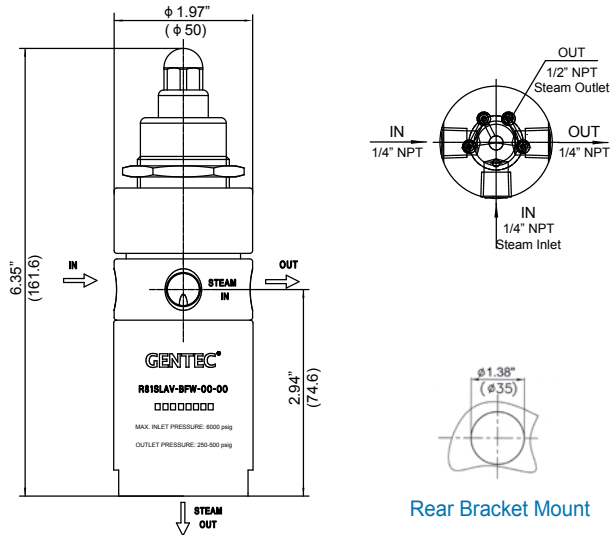
Applications

- Liquid petroleum analyzer
- Petrochemical / refinery / analyzer
- Sampling systems

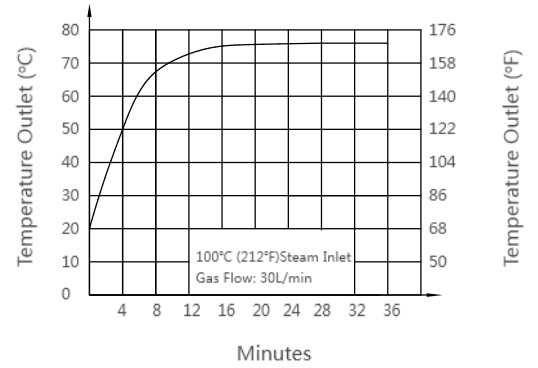
Specifications

- **Maximum inlet pressure:** 6000 psi (414 bar)
- **Safety test pressure:** 1.5 x Maximum inlet pressure
- **Temperature range:** -40 to 500°F (-40 to 260°C)
- **Inboard leakage:** 2×10^{-9} atm.cc/sec He
- **Outboard leakage:** 2×10^{-8} atm.cc/sec He
- **Maximum Cv:** 0.06
- **Weight:** 2.9 lb (1.32 kg)

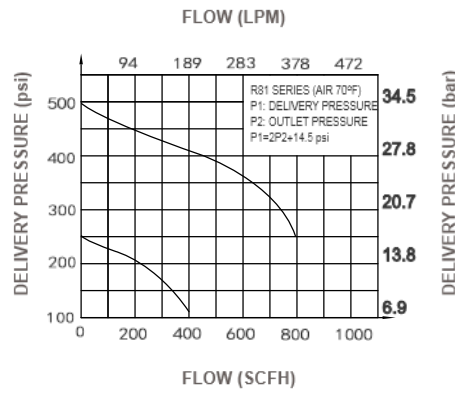
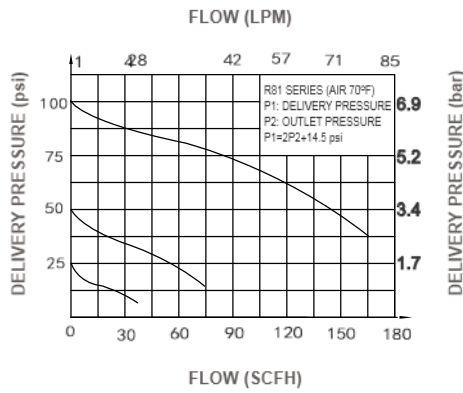
Dimensions



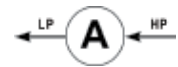
Heating Flow Data



Flow Data



Body Port



Ordering Information

EX: R81SL	A	V-	D	F	W -	00 -	00
Series	Body Ports	Seat	Inlet Pressure Ranges	Outlet Pressure Ranges	Gauge	Inlet Connections	Outlet Connections
• R81SL	A	V: Vespel®	B: 6000 psi (414 bar) D: 3000 psi (206 bar) E: 1500 psi (104 bar)	F: 0-500 psi (34 bar) G: 0-250 psi (17 bar) I: 0-100 psi (7 bar) K: 0-50 psi (3 bar) L: 0-25 psi (2 bar)	W: No Gauge	00: 1/4" NPT (F) 10: 1/8" GENLOK 11: 1/4" GENLOK 15: 6 mm GENLOK 19: 3 mm GENLOK Other connections available*	00: 1/4" NPT (F) 10: 1/8" GENLOK 11: 1/4" GENLOK 15: 6 mm GENLOK 19: 3 mm GENLOK Other connections available*

*: For more connection options contact Gentec.