

Ultra High Pressure Valve Assembly

Type HP-40 (40,000 psia)

DESCRIPTION

The HP-40 is an ultra high pressure control valve using a tri-axially forged stainless steel body along with a solid Stellite innervalve assembly. The HP-40 can be used for both flow control as well as a Class IV shutoff valve. The versatility of the HP-40 creates a singular solution for your high pressure applications.

APPLICATION

The HP-40 valve is used in industrial applications, research and process pilot plants on liquids and gases. The main use is in high-pressure chemical injection, which is used in the production of high-pressure low density polyethylene (HPLDPE).

MATERIALS

Body	Tri-axially forged 316 stainless steel
Innervalve	Stellite® 6B (plug and seat)
Packing	Standard is Glass filled PTFE/PFA CV rings or Torlon®/PFA CV rings
Actuator	Painted carbon steel, nickel plated carbon steel and stainless steel

ACTUATOR CHOICES

Standard	Air-to-open, fail close Air-to-close, fail open
Effective Area	35 square inches
Standard Signals	3-15#, 3-27#, 6-30#, 22-45#*
Optional Signals	With positioner, 3-9#, 9-15#
Accessories	Filter regulator, gauges, I/P, limit switches, handwheel on standard unit, solenoids

*Positioner Required

OPTIONAL FEATURES

- Stainless steel actuator and hardware for explosion-proof requirements.



STANDARD FEATURES

- Wide range of interchangeable trims
- Choice of linear or quick opening trims
- ANSI Class III shutoff for sizes P-1 through P-6
- ANSI Class IV shutoff for sizes K through O
- Solid Stellite® innervalve
- 9/16 in. high-pressure cone and collar fittings (F562C)
- Pressure rating of 40,000 psia (2758 bar) @ 100° F (38° C)

