

HIGH PRESSURE NEEDLE VALVES



FLUID CONTROLS® HIGH PRESSURE NEEDLE VALVES

High pressure valves with screwed bonnet and integral seat designed as per ANSI B16.34 and thread connector are as per ANSI 1.20.1. Applications are for throttling and straight shut-off. Fluid Controls® High pressure valves are available in CS, SS, Nickel alloys and with NACE certification.

10,000 PSI Needle Valves

Working Pressure	: 10,000 PSI (689 BAR) @ 25°C (77°F)
Max. Temperature	: 540°C (1004°F)
Testing Pressure	: Hydrostatic Body – 15,000 PSI (1034 BAR) Hydrostatic Seat – 10,000 PSI (689 BAR) Pneumatic Seat – 569 PSI (40 kg/cm ²)
Gland Seal	: PTFE(Standard) : For temperature range -73°C (-99.4°F) to 210°C (410°F) Graphoil : For temperature range 180°C (356°F) to 540°C (1004°F)
Mounting Arrangement	: Needle Valves - Panel Mounting



30,000 PSI Needle Valves

Max Working Pressure	: 30,000 PSI (2069 kg/cm ²) @ 25°C (77°F)
Temperature	: 210°C (410°F)
Testing Pressure	: Hydrostatic Body – 45,000 PSI (3103 kg/cm ²) Hydrostatic Seat – 30,000 PSI (2069 kg/cm ²) Pneumatic Seat – 569 PSI (40 kg/cm ²)
Connection Size	: 1/4", 3/8", 9/16"
Orifice Size	: 2.4 mm (0.093")
Gland Seal	: Glass filled PTFE: Temperature Min. -73°C (-99.4°F) to Max. 210°C (410°F)
Mounting Arrangement	: Needle Valves – Integral through-holes for bracket mounting. Panel Mounting option is also available.

