



Stainless Steel Valves

Section 10 – Stainless Steel

316 Stainless Steel Needle Valves

Seal: PTFE

Working Temperature: +200°C

Working Pressure: 6000 psi (414 bar)

Tech Sheet 10036



BSPP

0099		£
2018-6938	1/4"	96.35
2018-6946	3/8"	106.30
KELM™ Pneumatics 2018-6953	1/2"	135.90

NPTF

0099		£
2018-6904	1/4"	96.35
2018-6912	3/8"	94.15
2018-6920	1/2"	123.80

3,000 psi Rated Mini Needle Valve

Working Temperature: -50°C to +121°C

Maximum Working Pressure: 205 bar

Viton Seals



Tech Sheet 10506



NPT

0292			£
PMV-H-S-4-FF-V	1/4" Female x Female		49.35
PMV-H-S-4-MF-V	1/4" Male x Female		49.35

6,000 psi Rated Imperial Needle Valves

The 'IB' series of needle valves are specially designed & manufactured for use in corrosive & hazardous environments. These valves are for use in process control, instrumentation & flow control applications.

Feature Benefits:

One piece body construction for strength & safety. Non rotating Vee tip design, which forms a bearing joint with the stem eliminating any rotation

Max Working Temperature: -29°C to +121°C

Working Pressure: 6,000 psi (400 bar)

Tech Sheet 2156

Female x Female, NPTF

0292		£
PNV-IB-S-2-FF	1/8"	60.15
PNV-IB-S-4-FF	1/4"	69.90
PNV-IB-S-6-FF	3/8"	88.45
PNV-IB-S-8-FF	1/2"	116.70
PNV-IB-S-12-FF	3/4"	209.25
PNV-IB-S-16-FF	1"	265.55

Tech Sheet 2156

Male x Female, NPTF

0292		£
PNV-IB-S-2-MF	1/8"	66.90
PNV-IB-S-4-MF	1/4"	76.75
PNV-IB-S-6-MF	3/8"	97.70
PNV-IB-S-8-MF	1/2"	127.70
PNV-IB-S-12-MF	3/4"	230.85
PNV-IB-S-16-MF	1"	293.35

Tech Sheet 2156

OD Compression

0292		£
NV6000-18	1/8"	55.10
NV6000-14	1/4"	63.50
NV6000-38	3/8"	80.25
NV6000-12	1/2"	106.15
NV6000-34	3/4"	237.30
NV6000-1	1"	323.60

10,000 psi Rated Imperial Needle Valves

The 'HP' series of needle valves are specially designed & manufactured for use in corrosive & hazardous environments. These valves are for use in process control, instrumentation & flow control applications.

Feature Benefits:

One piece body construction for strength & safety. Non rotating Vee tip design, which forms a bearing joint with the stem eliminating any rotation between the plug & seat on closure ensuring long life.

Each valve is hydrostatically tested in accordance with MSS-SP-99. This procedure includes testing of the body cavity. A Hydrostatic test

is performed with pure water or other liquids of similar or lower viscosity at 1.5 times & seat leakage test at 1.1 times of the maximum working pressure. Each valve is also tested with Nitrogen Gas at 1000psi for seat, seal & shell leakage. Other tests like vibration, temperature, Helium are available upon request.

Max Working Temperature: -50°C to +93°C

Working Pressure: 10,000 psi (700 bar)

Tech Sheet 2157



Female x Female, NPTF

0292		£
PNV-HP-S-2-FF	1/8"	138.70
PNV-HP-S-4-FF	1/4"	138.70
PNV-HP-S-6-FF	3/8"	168.90
PNV-HP-S-8-FF	1/2"	269.65
PNV-HP-S-12-FF	3/4"	388.70
PNV-HP-S-16-FF	1"	584.20

Tech Sheet 2157



Male x Female, NPTF

0292		£
PNV-HP-S-2-MF	1/8"	154.45
PNV-HP-S-4-MF	1/4"	154.45
PNV-HP-S-6-MF	3/8"	185.55
PNV-HP-S-8-MF	1/2"	297.45
PNV-HP-S-12-MF	3/4"	427.15
PNV-HP-S-16-MF	1"	638.60