



# techhose

QUALITY CONNECTIONS

Hydraulics

Pneumatics  
& Vacuum

Industrial

Compressed Air  
& Ring Main

Process &  
Instrumentation

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## Valves & Actuation

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Needle Valves

## NEEDLE VALVES



## Brass Needle Valves

**Working Temperature:**  
0°C to +100°C

**Maximum Working Pressure:**  
100 bar



## Female x Female, BSPP

0441	Thread
EV-18	1/8"
EV-14	1/4"
EV-38	3/8"
EV-12	1/2"

Tech Sheet 10028



## Male x Male, BSPT

0441	Thread
EVMM-18	1/8"
EVMM-14	1/4"
EVMM-38	3/8"
EVMM-12	1/2"

Tech Sheet 10029

## NEEDLE VALVES

stainless  
steel

GENEBRE

## Stainless Steel Needle Valves

## Features:

- Safety bonnet lock prevents accidental loosening
- Flow can be controlled in both directions

**Working Temperature:**  
-54°C to +232°C

**Maximum Working Pressure:**  
413 bar at +38°C



## Female x Female, BSPP

0902	Thread
2225-14	1/4"
2225-38	3/8"
2225-12	1/2"
2225-34	3/4"
2225-1	1"

Tech Sheet 6161

# NEEDLE VALVES

stainless steel



## 3,000 psi Rated Mini Needle Valve

**Working Temperature:**  
-50°C to +121°C

**Maximum Working Pressure:**  
205 bar

Seal: Viton



### NPT

0292	Thread	Description
PMV-H-S-4-FF-V	1/4"	Female x Female
PMV-H-S-4-MF-V	1/4"	Male x Female

Tech Sheet 10506

## 6,000 psi Rated Imperial Needle Valves

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

### Feature Benefits

One piece body construction for strength and safety.

Non rotating Vee tip design, which forms a bearing joint with the stem eliminating

any rotation between the plug and seat on closure ensuring long life.

**Testing:** All valves are 100% factory tested and complete traceability is available upon request.

**Material:** Body, panel nut, washer and gland nut A479-316

**Stem:** A479-316 / 17-4PH

**Packing:** PTFE

**Grub Screw:** Steel plated

**Handle:** Stainless steel

**Vee Tip:** A 564-630

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

**Maximum Working Pressure:**  
413 bar (6,000 psi)

### Female x Female, NPTF

0292	Thread
PNV-IB-S-2-FF	1/8"
PNV-IB-S-4-FF	1/4"
PNV-IB-S-6-FF	3/8"
PNV-IB-S-8-FF	1/2"
PNV-IB-S-12-FF	3/4"
PNV-IB-S-16-FF	1"

Tech Sheet 2156



### Female x Female, BSPP

0292	Thread
2018-6938	1/4"
2018-6946	3/8"
2018-6953	1/2"

Tech Sheet 10036

### Male x Female, NPTF

0292	Thread
PNV-IB-S-2-MF	1/8"
PNV-IB-S-4-MF	1/4"
PNV-IB-S-6-MF	3/8"
PNV-IB-S-8-MF	1/2"
PNV-IB-S-12-MF	3/4"
PNV-IB-S-16-MF	1"

Tech Sheet 2156



### OD Compression

0292	OD
NV6000-18	1/8"
NV6000-14	1/4"
NV6000-38	3/8"
NV6000-12	1/2"
NV6000-34	3/4"
NV6000-1	1"

Tech Sheet 2156



## 10,000 psi Rated Imperial Needle Valves

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

### Feature Benefits

One piece body construction for strength and safety.

Non rotating Vee tip design, which forms a bearing joint with the stem eliminating any rotation between the plug and seat on closure ensuring long life.

**Testing:** 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 and 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 and shell leakage. Other tests like vibration, temperature and helium are available upon request.

**Material:** Body, stem, packing washer, lock nut and gland retainer A479-316/A-105

**Gland Packing:** Glass Filled PTFE

**Packing:** PTFE

**Handle:** Stainless steel

**Dust Cap:** Plastic

**Vee Tip:** A 564-630

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

**Maximum Working Pressure:**  
700 bar (10,000 psi)

### Female x Female, NPTF

0292	Thread
PNV-HP-S-2-FF	1/8"
PNV-HP-S-4-FF	1/4"
PNV-HP-S-6-FF	3/8"
PNV-HP-S-8-FF	1/2"
PNV-HP-S-16-FF	1"

Tech Sheet 2157



### Male x Female, NPTF

0292	Thread
PNV-HP-S-2-MF	1/8"
PNV-HP-S-4-MF	1/4"
PNV-HP-S-6-MF	3/8"
PNV-HP-S-8-MF	1/2"
PNV-HP-S-12-MF	3/4"
PNV-HP-S-16-MF	1"

Tech Sheet 2157



You might also need...  
**Hydraulic Tubing**  
...see page 181