techhose quality connections



2024 - 2026 Catalogue

www.tech-hose.co.uk

7

NEEDLE VALVES



Brass Needle Valves

Working Temperature: 0°C to +100°C

Maximum Working Pressure: \bigcirc 100 bar





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 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: \bigcirc 413 bar at +38°C



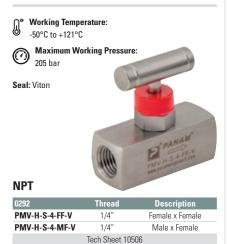
Female x Female, BSPP

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

3,000 psi Rated Mini **Needle Valve**



control applications.	was
Feature Benefits	A47
One piece body construction	Ste
for strength and safety.	Pac
Non rotating Vee tip design,	Gru
which forms a bearing joint	Har
with the stem eliminating	Vee

6,000 psi Rated Imperial

Needle Valves

designed and manufactured

The 'IB' series of needle

for use in corrosive and

hazardous environments.

valves are specially

These valves are for

use in process control,

instrumentation and flow

Working Temperature: -29°C to +121°C



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 She	et 2156

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, sher and gland nut 79-316 m: A479-316 / 17-4PH ckina: PTFE **Ib Screw:** Steel plated ndle: Stainless steel e Tip: A 564-630

Needle Valves The 'HP' series of needle valves are specially designed and manufactured for use in corrosive and

steel

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

stainless steel

10,000 psi Rated Imperial

helium are available upon request. Material: Body, stem, and gland retainer A479-316/A-105 **Gland Packing:** Glass Filled PTFE Packing: PTFE Dust Cap: Plastic Vee Tip: A 564-630

Working Temperature: -50°C to +93°C

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		



7

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 packing washer, lock nut Handle: Stainless steel Maximum Working





Valves & Actuation



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

983