

SNV02

Needle valves made of stainless steel, high-pressure version

- Max. pressure 3600 psi or 5800 psi / 250 or 400 bar
- Medium temperatures to 480 °F / 250 °C
- For nominal pipe sizes from 1/8" to 2"
- Process connection G or NPT
- Wetted parts made of stainless steel AIS 316 Ti / 1.4571, packing made of PTFE or graphite



Description:

PKP needle valves model SNV02 accurately regulate the flow of liquids in piping systems.

The devices are designed in two parts, the upper part is screwed into the base and is sealed with PTFE or graphite packing.

Applications:

A variety of versions are available in stainless steel AIS 316 Ti / 1.4571 for nominal sizes 1/8" to 2" G or NPT screw threads, and for two nominal pressures (3600 psi or 5800 psi / 250 or 400 bar). These device versions can be deployed in a wide range of applications.

Designs:

SNV02.G: thread connection G, to DIN / ISO 228
SNV02.N: thread connection NPT, to ANSI / ASME B1.20.1-1983

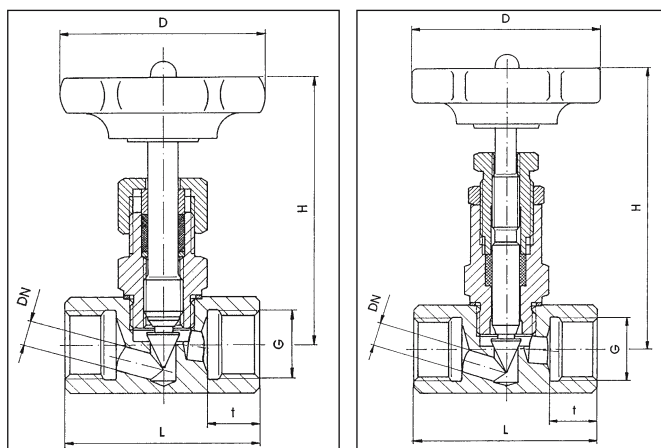
Nominal pressures:

SNV02.x.x.1: 3600 psi / 250 bar
SNV02.x.x.2: 5800 psi / 400 bar

Dimension:

3600 psi / 250 bar

5800 psi / 400 bar



Process connection	Dimension (inch / mm)			
	L screw thread G	L screw thread NPT	H	D
3600 psi / 250 bar				
1/8"	1,77 / 45	1,97 / 50	2,91 / 74	1,97 / 50
1/4"	1,97 / 50	2,17 / 55	2,87 / 73	1,97 / 50
3/8"	2,17 / 55	2,36 / 60	2,83 / 72	1,97 / 50
1/2"	2,36 / 60	2,56 / 65	3,27 / 83	2,48 / 63
3/4"	2,95 / 75	3,15 / 80	3,94 / 100	2,48 / 63
1"	3,94 / 100	4,13 / 105	4,33 / 110	3,15 / 80
1 1/4"	4,72 / 120	4,92 / 125	5,31 / 135	3,94 / 100
1 1/2"	5,12 / 130	5,31 / 135	5,51 / 140	3,94 / 100
2"	6,3 / 160	6,5 / 165	5,91 / 150	3,94 / 100
5800 psi / 400 bar				
1/8"	2,17 / 55	2,36 / 60	3,7 / 94	1,97 / 50
1/4"	2,36 / 60	2,56 / 65	3,66 / 93	1,97 / 50
3/8"	2,95 / 75	3,15 / 80	3,62 / 92	1,97 / 50
1/2"	3,94 / 100	4,13 / 105	3,78 / 96	2,48 / 63
3/4"	4,72 / 120	4,92 / 125	4,25 / 108	2,48 / 63
1"	5,12 / 130	5,31 / 135	4,84 / 123	3,15 / 80

Special versions

- Compression fitting (coupling) to DIN 2353, series S and L
- Clamping tapered ring screw joints
- Non-standard sizes up to 4"
- Maximum pressure version up to 9100 psi / 630 bar upon request

Ordering Code:

Order number: SNV02. G. 1. 1. 15. 0

SNV02 needle valve made of stainless steel

Design:

G = G screw thread
 N = NPT screw thread
 S = custom connection

Process connection:

1 = female thread at both sides
 2 = female/male thread
 3 = male thread at both sides

Max. pressure:

1 = 3600 psi / 250 bar
 2 = 5800 psi / 400 bar
 9 = custom version

Nominal pipe size:

06 = 1/8"
 08 = 1/4"
 10 = 3/8"
 15 = 1/2"
 20 = 3/4"
 25 = 1"
 32 = 1 1/4"
 40 = 1 1/2"
 50 = 2"

Options:

0 = none
 2 = high-temperature design up to 480 °F / 250 °C
 9 = custom version, please specify in writing

Technical details:

Materials:

body: stainless steel AISI 316 Ti / 1.4571
packing: standard up to 212 °F / 100 °C: PTFE
 high-temperature up to 250°C:
 graphite

Max. pressure:

3600 psi or 5800 psi /
 250 or 400 bar
 as per „Ordering Code“

max. temperature:

standard: 212 °F / 100 °C
 high-temperature: 480 °F / 250 °C

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