

# SNV02

## Needle Valves made of Stainless Steel, High Pressure Version

- Max. pressure PN 250 and PN 400
- Medium temperatures until 250 °C
- For nominal pipe sizes from 1/8" to 2"
- Process connections G or NPT
- Wetted parts made of stainless steel 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.

### Typical applications:

Versions are available in stainless steel 1.4571 for nominal sizes 1/8" to 2" G- or NPT- screw threads, and for two nominal pressures (PN250 or PN400) These device versions can be used in a wide range of applications.

## Models:

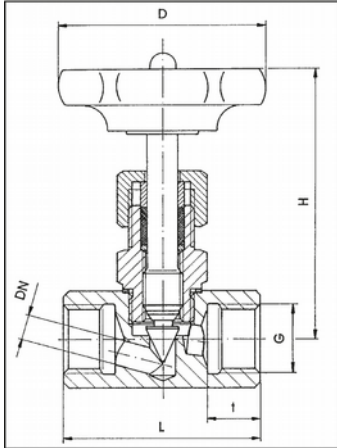
<b>SNV02.G:</b>	Thread connection G, acc. to DIN / ISO 228
<b>SNV02.N:</b>	Thread connection NPT, acc. to ANSI / ASME B1.20.1-1983

## Nominal pressures:

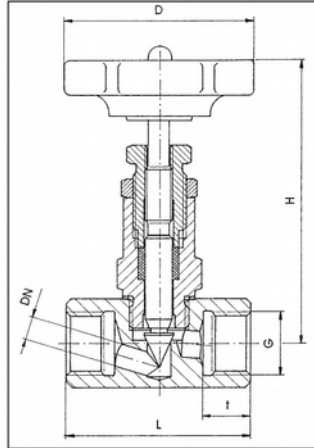
<b>SNV02.x.x.1:</b>	PN 250
<b>SNV02.x.x.2:</b>	PN 400

## Dimensions:

### PN 250



### PN 400



Process connection G	Dimensions in mm				Kvs-value* [l/min]
	L screw thread G	L screw thread NPT	H	D	
<b>PN 250</b>					
1/8	45	50	74	50	4,5
1/4	50	55	73	50	8
3/8	55	60	72	50	9
1/2	60	65	83	63	15
3/4	75	80	100	63	28
1	100	105	110	80	42,5
1 1/4	120	125	135	100	70
1 1/2	130	135	140	100	93
2	160	165	150	100	120
<b>PN 400</b>					
1/8	45	50	94	50	4,5
1/4	50	55	93	50	8
3/8	55	60	92	50	9
1/2	60	65	96	63	15
3/4	75	80	108	63	28
1	100	105	123	80	42,5

## Special versions:

- Compression fitting to DIN 2353, series S and L
- Clamp tapered ring screw joints
- Non-standard sizes up to 4"
- Maximum pressure version up to 630 bar

on request

## Order Code:

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

Needle Valve made of stainless steel,  
high pressure version

### Model:

G = G-screw thread  
N = NPT-screw thread  
S = Special connection

### Process connection:

1 = Female thread at both sides  
2 = Female/male thread  
3 = Male thread at both sides

### Max. pressure:

1 = PN 250  
2 = PN 400  
9 = Special 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 = without  
2 = high temperature version up to 250 °C  
9 = please specify in plain text

## Technical Data:

### Material:

Housing: stainless steel 1.4571  
Packing: standard up to 100 °C: PTFE  
high temperature up to 250 °C: graphite

### Max. pressure:

PN 250 / PN 400  
acc. to Model Code

### Max. medium temperature:

standard: 100 °C  
high temperature: 250 °C