

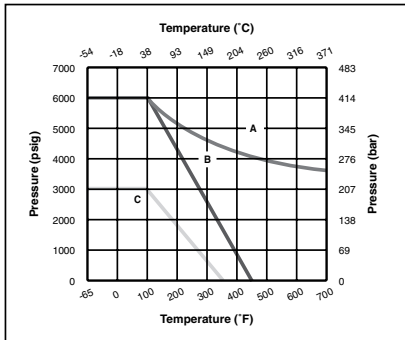
**General Description:** Parker compact SN6 Needle Valves provide shut-off and coarse regulation of liquids and gases utilized in process and instrumentation applications. These rugged valves are manufactured from stainless steel barstock and are integral bonnet designs with packing above the stem threads.

- Features:**
- Integral bonnet design
  - 316 stainless steel construction
  - Choice of two stem types:
    - R-Stem – All metal, blunt stem tip
    - K-Stem – PCTFE stem tip
  - Choice of PTFE or Grafoil® packing
  - Inline and angle patterns
  - 100% factory tested

**Specifications:**

Pressure Rating		Temperature Rating		
R-Stem	K-Stem	PTFE Packing	PCTFE Stem Tip	Grafoil® (G) Packing
6000 psig CWP	3000 psig CWP	-65° F to 450° F	-65° F to 350° F	-65° F to 700° F

**Pressure vs. Temperature**



Legend: A - Grafoil® packing with R stem; B - PTFE packing with R stem; C - PTFE packing with K stem.

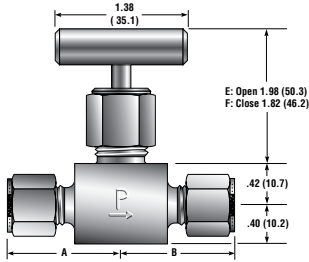
Note: To determine MPa, multiply bar by 0.1

Note: When combining seat and seal materials, the most restrictive temperature rating becomes the limiting factor on temperature range.

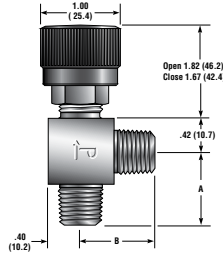
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NEEDLE VALVES

SN6 SERIES



Model Shown: 4Z-SN6LR-G-SS



Model Shown: 4M-SN6AK-SS

Part No.		End Connections		Stem Type	Flow Data					Dimensions	
Inline	Angle	Inlet (Port 1)	Outlet (Port 2)		Orifice (in.)	Inline C <sub>T</sub>	Inline X <sub>T</sub> *	Angle C <sub>T</sub>	Angle X <sub>T</sub> *	A (in.)	B (in.)
4A-SN6LR	4A-SN6AR	1/4" Compression A-LOK®		Blunt	0.125	0.29	0.56	0.34	0.55	1.17	1.17
4A-SN6LK	4A-SN6AK	1/4" Compression A-LOK®		PCTFE	0.125	0.23	0.63	0.27	0.58	1.17	1.17
4F-SN6LR	4F-SN6AR	1/4" Female NPT		Blunt	0.125	0.29	0.56	0.34	0.55	0.94	0.94
4F-SN6LK	4F-SN6AK	1/4" Female NPT		PCTFE	0.125	0.23	0.63	0.27	0.58	0.94	0.94
4M-SN6LR	4M-SN6AR	1/4" Male NPT		Blunt	0.125	0.29	0.56	0.34	0.55	0.99	0.99
4M-SN6LK	4M-SN6AK	1/4" Male NPT		PCTFE	0.125	0.23	0.63	0.27	0.58	0.99	0.99
4Z-SN6LR	4Z-SN6AR	1/4" Compression CPI™		Blunt	0.125	0.29	0.56	0.34	0.55	1.17	1.17
4Z-SN6LK	4Z-SN6AK	1/4" Compression CPI™		PCTFE	0.125	0.23	0.63	0.27	0.58	1.17	1.17
4M4A-SN6LR	4M4A-SN6AR	1/4" Male NPT	1/4" A-LOK®	Blunt	0.125	0.29	0.56	0.34	0.55	0.99	1.17
4M4A-SN6LK	4M4A-SN6AK	1/4" Male NPT	1/4" A-LOK®	PCTFE	0.125	0.23	0.63	0.27	0.58	0.99	1.17
4M4F-SN6LR	4M4F-SN6AR	1/4" Male NPT	1/4" Female NPT	Blunt	0.125	0.29	0.56	0.34	0.55	0.99	0.94
4M4F-SN6LK	4M4F-SN6AK	1/4" Male NPT	1/4" Female NPT	PCTFE	0.125	0.23	0.63	0.27	0.58	0.99	0.94
4M4Z-SN6LR	4M4Z-SN6AR	1/4" Male NPT	1/4" CPI™	Blunt	0.125	0.29	0.56	0.34	0.55	0.99	1.17
4M4Z-SN6LK	4M4Z-SN6AK	1/4" Male NPT	1/4" CPI™	PCTFE	0.125	0.23	0.63	0.27	0.58	0.99	1.17

\* Tested in accordance with ISA S75.02. Gas flow will be choked when  $P_1 - P_2 / P_1 = x_T$ .  
† For CPI™ and A-LOK®, dimensions are measured with nuts in the finger tight position

HOW TO ORDER

The correct part number is easily derived from the following number sequence. Eliminate the Stem Packing product characteristic if PTFE Packing is ordered. The six product characteristics required are coded as shown below.  
\*Note: If the inlet and outlet ports are the same, eliminate the outlet port designator.

**Example:**    **4Z**    **\***    -    **SN6L**    **K**    -    **G**    -    **SS**

                  ①                    ②                    ③                    ④                    ⑤                    ⑥

                  Inlet                    Outlet                    Valve                    Stem                    Stem                    Body

                  Port                    Port                    Series                    Type                    Packing                    Material

Describes an in-line pattern SN6 Series needle valve equipped with 1/4" CPI™ compression inlet and outlet ports, a PCTFE tipped stem, Grafoil® packing, and stainless steel construction.

Note: This valve is not panel mountable.  
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