

# Parker Pelin Star TN Series Needle Valve

Catalog 1011C-A



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# Introduction

Parker PELIN STAR Brand Needle Valves have been designed for use at pressures up to 6,000 (414 bar) and working temperatures up to 1,000 °F (538 °C). A non-rotating lower stem helps to protect packing life by removing rotation from the packing area. Stem packing below the threads isolates lubricant from the media.



# Features

- Safety back seated spindle prevents stem blowout
- Packing below threads to prevent lubricant washout
- Stem swivel above the packing eliminates entrapment area and increases packing life.
- 316 stainless steel construction.
- 100% factory tested.
- NACE compliant wetted parts available

# Specifications

**Pressure Rating:**

6000 psig (414 bar) CWP

**Temperature Rating:**

PTFE Packing:

-65 °F to 500 °F (-54 °C to 260 °C)

**Graphite Packing:**

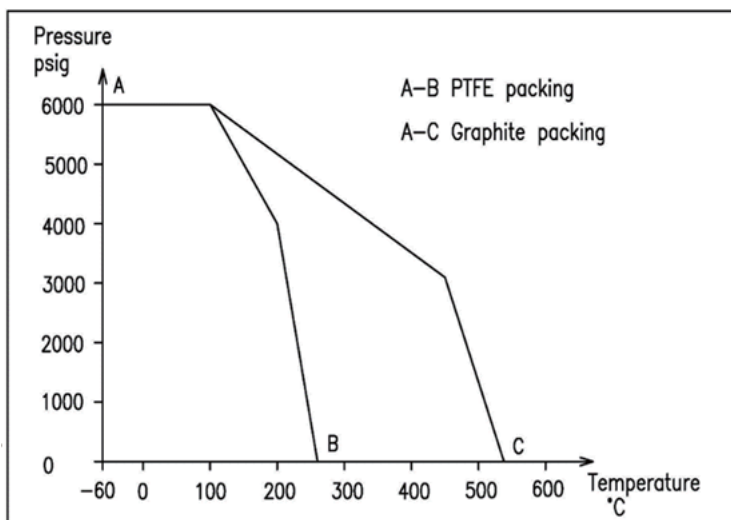
-65 °F to 1000 °F (-54 °C to 538 °C)

**Orifice:**

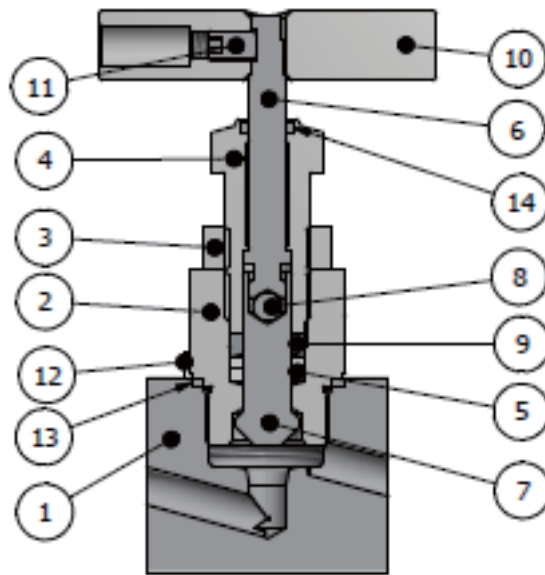
6mm



## Pressure vs. Temperature



# Construction



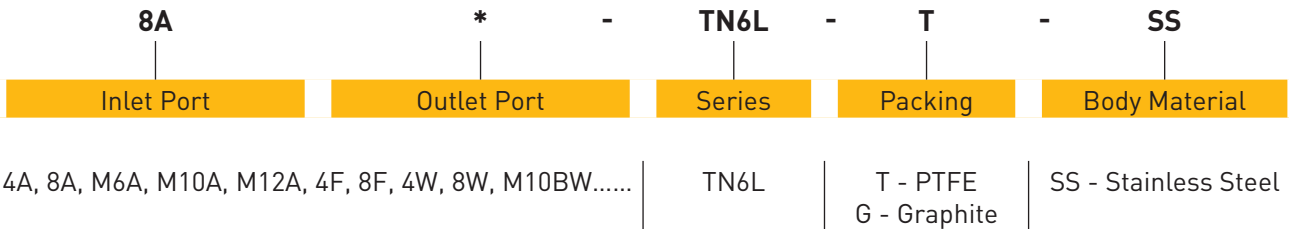
Item	Part	Material
1	Body	ASTM A479 316SS
2	Bonnet	PTFE ASTM D1710
3	Lock Nut	ASTM A479 316SS
4	Packing Nut	ASTM A479 316SS
5	Packing	A2-70 St,St
6	Upper Stem	ASTM A479 316SS
7	Lower Stem	ASTM A479 316SS
8	Ball	ASTM A276 440C
9	Bushing	ASTM A479 316SS
10	Handle	ASTM A479 304SS
11	Set Screw	18-8(1.4310)
12	Lock Pin	A2-70 St,St
13	Gasket	ASTM A479 316SS
14	Dust Seal	Graphite JB/T 7758.2

# How to order

The correct part number is easily derived from the following number sequence. The five product characteristics required are coded as shown below. \*Note: If the inlet and outlet ports are the same eliminate the outlet port designator.

## Example: 8A - TN6L - T - SS

Description a TNV valve with 1/2" A-Lok port connection, 6mm seat, line straight 2 way, PTFE packing, Stainless Steel material body



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