

# OUR WIDE RANGE OF

**Tiger**<sup>®</sup>



*Sure Connections for Safety Lines*

- ❖ BALL VALVES
- ❖ NEEDLE VALVES
- ❖ MANIFOLD VALVES
- ❖ TUBE FITTINGS
- ❖ PIPE FITTINGS

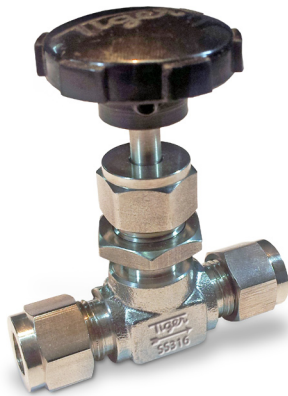
**Swastik**  
**Engineering Works**

## Company Brief

Swastik Engineering Works are maintaining high quality products with the brand name of **Tiger**® manufacturing various types of instrumentation hardware fittings. With more than three decades experience, we believe in continuously improving our products and services. So that customers requirements for safety and performance are satisfied under the brand name of **Tiger**®.

The reputation we enjoy for the excellence of design, material and workmanship of our product is the result of hard labour and careful study of the exact requirement of the various industries in the class of goods in which we are working. **Tiger**® Valves & Fittings are designed to withstand high-pressure service and are capable to satisfy various stringent tests like Pressure impulse, Vibration test, Vacuum test, Temperature cycle test, make & Remake test etc. as per BS 4368 Part IV at our in house testing facilities. The above tests have been periodically witnessed by various inspection agencies / consultants like, EIL, DNV, LRIS, BVQI, ONGC, BARC, BHEL, TOYO to name few.

In today modern world, applications are wide and that include Nuclear Power Plants, Refineries, Petrochemicals, Fertilizers, Thermal Power stations and may more and to meet their specific requirements, we are always trying to improve quality of the products with quality consciousness. We shall, at all time welcome a suggestion from any customer present or prospective, who could help us in bringing our products to their fullest satisfaction to give **Tiger**® valves the stamp of guarantee. **Tiger**® Fittings and Valves are available in variety of construction material ranging from SS (low carbon also), C.S. Monel, and Brass material are tested at reputed Government approved laboratories confirming to ASTM, ANSI, IS etc. standards.



# NEEDLE VALVES

## Description

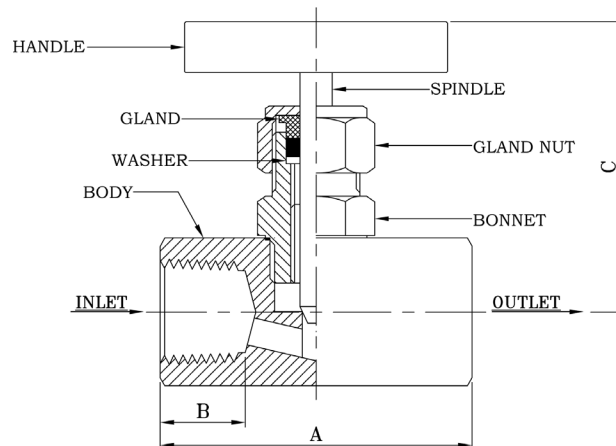
**Tiger** Brand Needle valves offers a comprehensive range of Needle Valves. Our range includes both Integral and Screwed Bonnet designs. These Needle Valves are available in a variety of end connections covering screwed male/female pipe ends and tube ends. They are designed as per applicable standards. It is widely used in gases, liquids and vacuum operations at high pressure and temperature.

## Features

- Available in a variety of end connections.
- A swiveling, non-rotating plug which prevents body leakage and ensures positive aligned seating for repeat operations.
- Hydraulic Test Pressure: (BODY) up to 630 Kg/Cm<sup>2</sup>.
- Hydraulic Test Pressure: (SEAT) up to 420 Kg/Cm<sup>2</sup>.
- Pneumatic Test Pressure: up to 7 Kg/Cm<sup>2</sup>.
- PMI (Positive Material Identification) Test available on request.
- Standards Followed: MSS-SP-99/ASME B16.5/B1.20.1/BS 4368 Part IV/BS 3799.
- Marking and Identification of Valves as per MSS-SP-25.
- Inlet arrow marked on the valve body.

## Needle Valve, Screwed, Bonnet, 800#

Product Drawing



It is primarily used in situations where throttling of fluids is required. It is used for precise control of flow. (Special requirements available on request)

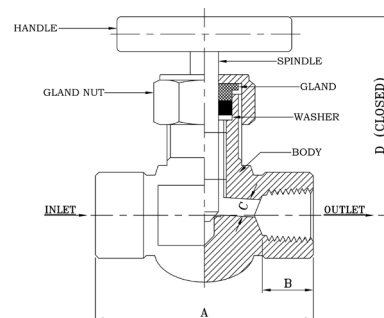
### Product Dimension Table

INCH				
Part No.	Size	A	B	C
NVSB4N	1 / 4"	48.0	14.2	63.5

*DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE*

## Needle Valve, Threaded, 800#

Product Drawing



It is primarily used in situations where throttling of fluids is required. It is used for precise control of flow. (Special requirements available on request)

### Product Dimension Table

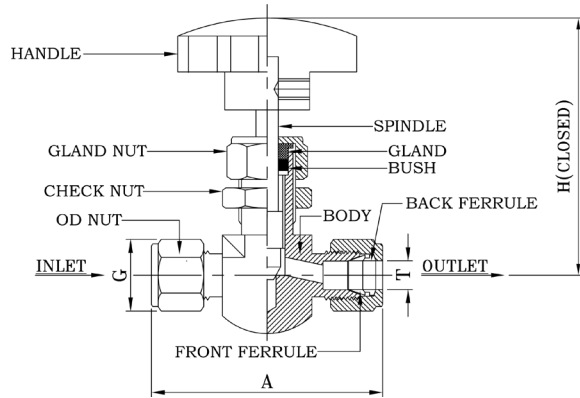
INCH					
Part No.	Size	T	A	G	F
NV2N	1 / 8"	35.0	10.2	3.0	45.0
NV4N	1 / 4"	44.0	14.2	4.7	50.0
NV6N	3 / 8"	50.0	14.2	5.5	60.0
NV8N	1 / 2"	63.0	19.0	7.0	65.0
NV12N	3 / 4"	63.0	19.0	8.7	80.0
NV16N	1"	89.0	24.0	10.3	100.0

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## Needle Valve, OD Type, 800#



Product Drawing



It is primarily used in situations where throttling of fluids is required. It is used for precise control of flow. (Special requirements available on request)

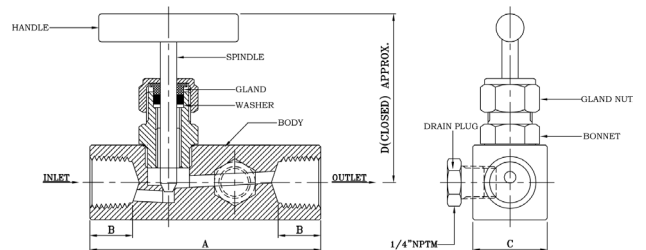
### Product Dimension Table

INCH					
Part No.	Size	T	A	G	H
NV2T	1 / 8"	1 / 8"	43.8	11.1	45.0
NV4T	1 / 4"	1 / 4"	56.5	14.2	50.0
NV6T	3 / 8"	3 / 8"	61.5	17.5	60.0
NV8T	1 / 2"	1 / 2"	71.5	22.2	75.0

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## Needle Valve, Pressure Gauge Valve, CL.600PSI

Product Drawing



It is primarily used in situations where throttling of fluids is required. It is used for precise control of flow. (Special requirements available on request)

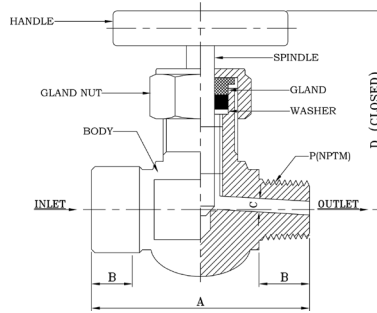
### Product Dimension Table

INCH					
Part No.	Size	A	B	C	D
3WNV4N	1 / 4"	54.0	14.2	20.0	53.0
3WNV8N	1 / 2"	80.0	19.0	32.0	70.0

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## Needle Valve, Male X Female, 800#

### Product Drawing



It is primarily used in situations where throttling of fluids is required. It is used for precise control of flow. (Special requirements available on request)

### Product Dimension Table

INCH					
Part No.	Size	A	B	C	D
NV2NM	1 / 8"	35.0	10.2	3.0	45.0
NV4NM	1 / 4"	44.0	14.2	4.7	50.0
NV6NM	3 / 8"	50.0	14.2	5.5	60.0
NV8NM	1 / 2"	63.0	19.0	7.0	65.0
NV12NM	3 / 4"	63.0	19.0	8.7	80.0
NV16NM	1"	89.0	24.0	10.3	100.0

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