

 **APPLICATIONS** [Vimec instrumentation Needle Valve](http://www.vimec-valves.com/index.php) are made from bar-stock and used for installation of pressure switch, pressure transmitters and manometers. The single isolation valve is metal to metal seat and it is equipped with self centering needle tip for bubble tight shut off and back stop spindle for blowout prevention leakage. The bonnet design construction do not permit to the process fluid to became in contact with the internal calibration thread, for this reason the Needle Valve performance is guaranteed for long time. The end connections are available from 1/8" to 1.1/2" size and could be threaded, socket welds or but welds. All needle valves could have female to female, male to male or male to female connections. Standard packing is P.T.F.E. for temperature up to 180 °C and Graphoil for temperature up to 400 °C.

**FEATURES**

- Stainless Steel Construction as standard
- P.T.F.E. and graphical packaging as standard
- Soft Seat materials of construction available.
- Colour coded functional identification.
- Back stop spindle for blowout prevention leakage
- Low torque operating T bar handle
- Externally adjustable Gland
- Panel Mounting and Locking Device option
- Different Type of end connection including integral compression one piece bodies
- Angled Version (90 degrees)
- Dust Cap to prevent ingress of contamination to operating thread

**SPECIFICATION**

- Standard internal bore diameter
- Maximum standards pressure up to 10,000psig 9689 barg)
- P.T.F.E Temperature Range +- 180C (356F)
- Graphoil Temperature Range -54 C +540 C (-62.2F to 1.004F)
- Port Sizes up to 1" pipe threaded as standard
- Port Sizes up to 1" pipe threaded and 1/2" tube compression ends as standard
- Optional sizes up to 1" pipe tube and combination ends

**Technical Features** It is standard made in AISI 316L, Carbon Steel and MONEL 400; all other kind of materials like DUPLEX F.51, F.53, F.55, HASTELLOY C.276, etc., on request. Available standard rating 6.000 PSI, 10.000 PSI and 15.000 PSI for working pressure up to 1.000 bar.