

SERIES: V1N

Indumart Needle Valves are high pressure isolation valves suitable for shutting-off the impulse line and for mounting to pressure instruments. They are mostly used in oil, gas, chemical, petrochemical, power generation and processing industries.

These rigid valves are bubble-tight and are offered in two major classes: 1) the self centering, non rotation stem (models V1N1, V1N3 and V1N4), 2) the more economical and compact, yet very reliable design with one piece V-tipped rotating stem for accurate flow control (V1N2).

These valves are available both in stainless steel and carbon steel. The inlet and outlet may be male, female or compression tubing; please enquire. Products in accordance with NACE MR01-75 are also available upon request.

SPECIFICATIONS

Max. Working Pressure 6,000 psi (400 bar)
10,000 psi (700 bar) for V1N4

Maximum Temperature 240°C (PTFE)

See the pressure/temperature graph on page 2 for the correct selection.

Gland Packing PTFE (std.), Grafoil (option)

See manufacturing and testing standards, raw material and material certificates on page 2.
Specifications may change without prior notice.

ORDER CODE

Model: V1N - - - -

CLASSIFICATION

Standard 1
Rotating Stem 2
90° Angle 3
High Pressure (1/2" & FF only) 4

SIZE

Please specify the size*

CONNECTION

Female-Female (std.)
Male-Male
Male-Female
Tube

MATERIAL

316 St. Steel
304 St. Steel
Carbon Steel

GLAND PACKING

PTFE (std.)
Grafoil (option)

* For NPT thread, add 1/4, 3/8, 1/2, 3/4 or 1; for G thread, add 1/4G, 3/8G, 1/2G, 3/4G or 1G; for metric thread, add 06, 10, 12. Example: **V1N1-1/2FF-6S**
Please note that some thread sizes are not available; please enquire.



V1N1-TT 1/4", 3/8", 1/2"
6, 10, 12 mm

**Rotating Stem
(economical design) V1N2-FF**

1/4", 3/8", 1/2", 3/4", 1" NPT or BSP



V1N3-FF 90° Angle
1/4", 1/2" NPT or BSP

**High Pressure
10,000 psi**

1/2" NPT or BSP

V1N4-FF

