

# Model NV1

## Features

- As per industrial standards
- Provide complete isolation or throttling of the media.
- perfect alignment for positive air tight shut-off
- optional vent plug for draining purpose
- Designed for mounting below Pressure measuring instruments
- Stainless steel construction and optional exotic material

## Applications

Isolation of instrument from service  
 High pressure lines  
 Liquid and vapour service  
 Process industry, Power plant  
 Chemical and Petrochemical Industries  
 Off shore and on shore processes  
 Oil and gas refineries



| Technical specification     | NV1                                                                      |
|-----------------------------|--------------------------------------------------------------------------|
| Body                        | Stainless steel 316 optional Stainless steel 316L, Monel & Hasteloy-C276 |
| Stem                        | Stainless steel 316 optional Stainless steel 316L, Monel & Hasteloy-C276 |
| Valve assembly              | Stainless steel 316 optional Stainless steel 316L, Monel & Hasteloy-C276 |
| Bonnet                      | Stainless steel 316 optional Stainless steel 316L, Monel & Hasteloy-C276 |
| Tip                         | Stainless steel 316 optional Stainless steel 316L, Monel & Hasteloy-C276 |
| Connections                 | 1/4" 3/8" 1/2" 3/4" BSP / NPT, others on request                         |
| Packing                     | PTFE up to 240 °C (462 °F) optional Grafoil up to 538 °C (1000 °F)       |
| T-handle                    | Stainless steel 304                                                      |
| Permissible pressure rating | 6000 PSI @ 100°C (212 °F)                                                |
| Drain Port(Optional)        | M8 (F)                                                                   |
| Vent plug                   | Stainless steel 316 optional Stainless steel 316L, Monel & Hasteloy-C276 |

## Order information

| Type              | Connection    | Form <sup>1)</sup>    | System material    | Options                                     |
|-------------------|---------------|-----------------------|--------------------|---------------------------------------------|
| NV1               | (02) 1/4" NPT | (M/F) Male X female   | (S) 316(1.4401)    | (NH) Tagging Stamped                        |
|                   | (03) 3/8" NPT | (F/F) Female X female | (L) 316L (1.4404)  | (VP) Vent Plug                              |
|                   | (04) 1/2" NPT | (M/M) Male X Male     | (P) Monel          | (OF) Oil free                               |
|                   | (13) 1/4" BSP |                       | (H) Hastelloy-C276 | (CD3) Material certificate for wetted parts |
|                   | (14) 3/8" BSP |                       |                    | (CD5) NACE MR0175/ISO15156-2005             |
|                   | (15) 1/2" BSP |                       |                    |                                             |
|                   | (16) M20x1.5  |                       |                    |                                             |
| Others on request |               |                       |                    |                                             |

1) For Form, First character indicates Process connection and Second character indicates Instrument connection

## How to order

| Type | Connection | Form | System material | Options |
|------|------------|------|-----------------|---------|
| NV1  | 04         | M/F  | S               | CD3     |

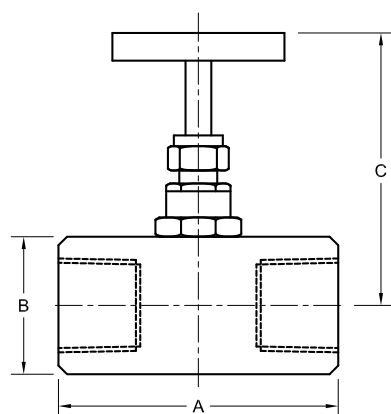
All specifications are subject to change without notice.

IN. NV1

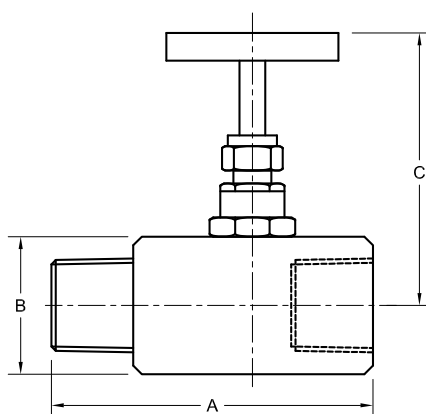
Rev. E

18/10/2025

## General dimensions in mm



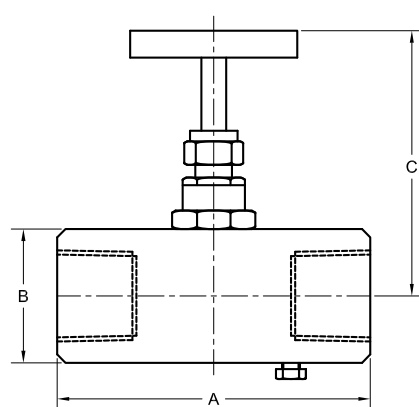
TYPE- FF



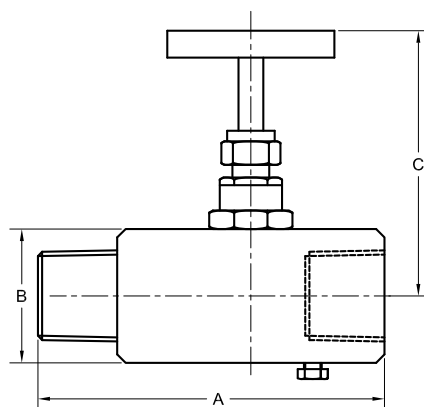
TYPE- MF

| SIZE | TYPE  | LENGTH<br>A | WIDTH B | HEIGHT<br>MAX C |
|------|-------|-------------|---------|-----------------|
| 1/4" | F X F | 50          | 25      | 65              |
|      | M X F | 50          |         |                 |
| 3/8" | F X F | 55          | 25      | 65              |
|      | M X F | 55          |         |                 |
| 1/2" | F X F | 65          | 28      | 90              |
|      | M X F | 65          |         |                 |

## Optional Vent or Drain design



TYPE- FF



TYPE- MF

| SIZE | TYPE  | LENGTH<br>A | WIDTH B | HEIGHT<br>MAX C |
|------|-------|-------------|---------|-----------------|
| 1/4" | F X F | 50          | 25      | 65              |
|      | M X F | 50          |         |                 |
| 3/8" | F X F | 55          | 25      | 65              |
|      | M X F | 55          |         |                 |
| 1/2" | F X F | 75          | 28      | 90              |
|      | M X F | 75          |         |                 |

Pressure Rating: 6000psi @ 100°F (212 °F)  
 Dimension shall be different for option 10K