

Isolation



## FEATURES

- Back seating to prevent stem blow-out

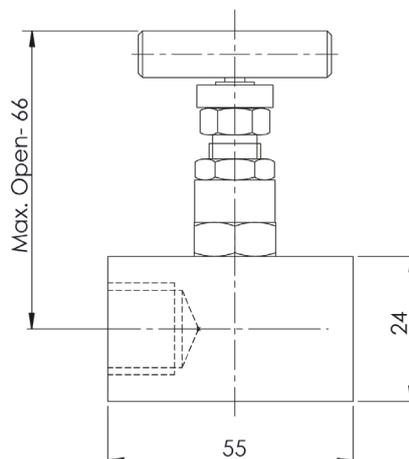
## APPLICATIONS

- High pressure line shut off
- Instrument isolation
- Liquid & gas services

## STANDARD PARAMETERS

Stem type	Hard seated stem
Wetted parts	AISI 316 SS
Instrument connection	1/2" NPT (F)
Stem packing	PTFE
Process connection	1/2" NPT (F)
Valve form	Direct
Stem	Conical metal tip
Max. working pressure	6000 psi
Max. working temperature	240°C
"T" bar handle	AISI 316 SS
Weight	~547 g

## DIMENSIONAL DRAWING



All dimensions are in mm.

### ORDERING CODES

1. WETTED PARTS		MB	4. PROCESS CONNECTION				04N
<b>MB</b>	Carbon Steel / ASTM A105		<b>11N</b>	1/8" NPT (M)	<b>12N</b>	1/4" NPT (M)	
<b>MC</b>	AISI 304 SS		<b>13N</b>	3/8" NPT (M)	<b>14N</b>	1/2" NPT (M)	
<b>MF</b>	AISI 316 SS		<b>11B</b>	1/8" BSP (M)	<b>12B</b>	1/4" BSP (M)	
<b>MG</b>	AISI 316L SS		<b>13B</b>	3/8" BSP (M)	<b>14B</b>	1/2" BSP (M)	
<b>MM</b>	Monel		<b>01N</b>	1/8" NPT (F)	<b>02N</b>	1/4" NPT (F)	
<b>MO</b>	Hastelloy C-276		<b>03N</b>	3/8" NPT (F)	<b>04N</b>	1/2" NPT (F)	
<b>MD</b>	Super Duplex		<b>01B</b>	1/8" BSP (F)	<b>02B</b>	1/4" BSP (F)	
			<b>03B</b>	3/8" BSP (F)	<b>04B</b>	1/2" BSP (F)	

2. INSTRUMENT CONNECTION		04N	5. VALVE FORM		AG
<b>11N</b>	1/8" NPT (M)	<b>12N</b>	1/4" NPT (M)	<b>AG</b>	Angular
<b>13N</b>	3/8" NPT (M)	<b>14N</b>	1/2" NPT (M)	<b>DR</b>	Direct
<b>11B</b>	1/8" BSP (M)	<b>12B</b>	1/4" BSP (M)		
<b>13B</b>	3/8" BSP (M)	<b>14B</b>	1/2" BSP (M)		
<b>01N</b>	1/8" NPT (F)	<b>02N</b>	1/4" NPT (F)		
<b>03N</b>	3/8" NPT (F)	<b>04N</b>	1/2" NPT (F)		
<b>01B</b>	1/8" BSP (F)	<b>02B</b>	1/4" BSP (F)		
<b>03B</b>	3/8" BSP (F)	<b>04B</b>	1/2" BSP (F)		

3. STEM PACKING		ME	6. OTHER OPTIONS		TN
<b>ME</b>	PTFE		<b>TN</b>	NACE standards	
<b>MA</b>	Grafoil		<b>TO</b>	Use for Oxygen service	
			<b>TH</b>	Hydro test certificate	
			<b>TC</b>	Material test certificate	
			<b>XL</b>	Marking by laser	
			<b>TP</b>	Max working pressure 10.000 psi	

**Ordering Example:**  
**MT-M110NV-MB-04N-ME-04N-AG-TN**

STANDARD EXECUTION		
PACKING MATERIAL	PRESSURE VS TEMPERATURE	
PTFE (High Pressure)	690 bar at 38 °C	10.000 psi at 100 °F
PTFE	420 bar at 38 °C	3000 psi at 100 °F
	276 bar at 204 °C	4000 psi at 400 °F
Graphite	420 bar at 38 °C	6000 psi at 100 °F
	209 bar at 538 °C	3000 psi at 1000 °F

#### NOTES

- Other connections are available, please contact factory for details.
- Valve stem dust covers shall be identified with color codes according to their function as ; Blue = ISOLATE