

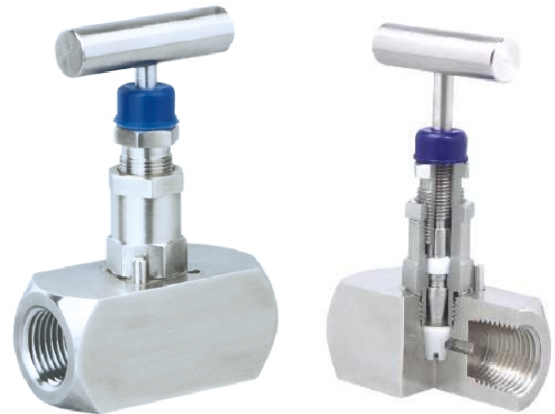
## FEATURES

- Back seating to prevent stem blow-out

## APPLICATION

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

### Isolation

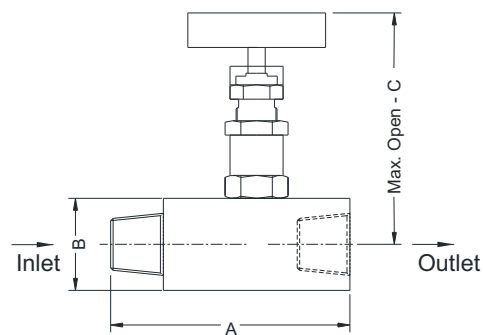


### STANDARD SPECIFICATIONS

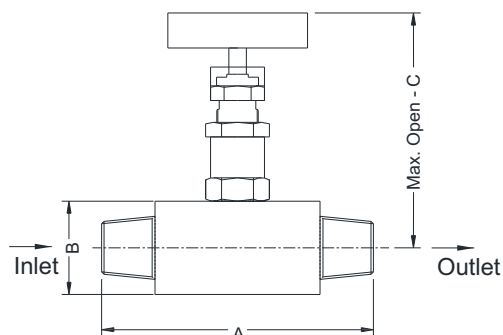
Stem type	: Hard seated stem
Wetted parts	: AISI 316 SS
Instrument connection	: 1/2" NPT (F) / 1/2" BSP (F)
Stem packing	: PTFE
Process connection	: 1/2" NPT (F) / 1/2" BSP (F)
Valve form	: Direct
Stem	: Conical metal tip
Max. working pressure	: 413.7 bar (6000 psi)
Max. working temperature	: 240°C
"T" bar handle	: AISI 304 SS

### DIMENSIONAL DRAWING

#### MALE X FEMALE

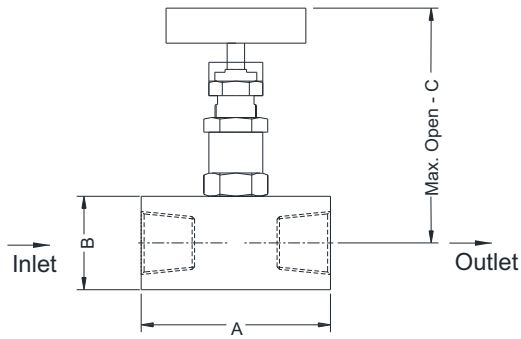


#### MALE X MALE



## DIMENSIONAL DRAWING

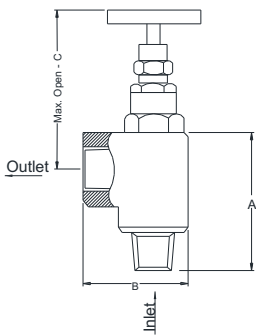
### FEMALE X FEMALE



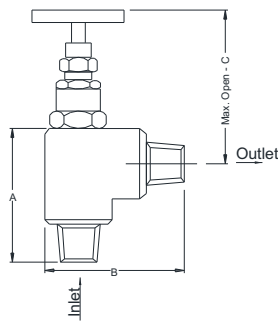
Connections		Length A	Width B	Max. open - C Stem Type		
Size	Type			HS	SS	RP
NPT 1/8"	F x F	50	20	55	65	64.5
	M x F	55	20	55	65	64.5
	M x M	60	20	55	65	64.5
NPT 1/4"	F x F	55	25	65	65	64.5
	M x F	65	25	65	65	64.5
	M x M	60	25	65	65	64.5
NPT 3/8"	F x F	55	25	65	65	64.5
	M x F	65	25	65	65	64.5
	M x M	65	25	65	65	64.5
NPT 1/2"	F x F	65	32	86.6	93.5	94
	M x F	75	32	86.6	93.5	94
	M x M	70	32	86.6	93.5	94
NPT 3/4"	F x F	70	38	88.6	96.5	97
	M x F	75	38	88.6	96.5	97
	M x M	80	38	88.6	96.5	97
NPT 1"	F x F	90	45	98	101	101
	M x F	105	45	98	101	101
	M x M	105	45	98	101	101

### Angle Form

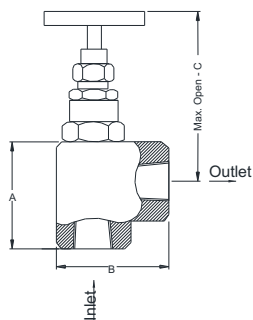
#### MALE X FEMALE



#### MALE X MALE



#### FEMALE X FEMALE



Connections		A	B	Max. open - C Stem Type	
Size	Type			HS	SS
NPT 1/4"	F x F	32	32	62	63
	M x F	48	32	62	63
	M x M	48	48	62	63
NPT 3/8"	F x F	32	32	62	63
	M x F	48	32	62	63
	M x M	48	48	62	63
NPT 1/2"	F x F	50	50	86.6	95.5
	M x F	70	50	86.6	95.5
	M x M	70	70	86.6	95.5

ORDERING CODES

1. STEM TYPE

<b>HS</b>	Hard seated stem (Metal)
<b>SS</b>	Soft seated stem (Derlin)
<b>RP</b>	Rising plug stem (Derlin)

HS

2. WETTED PARTS

<b>MB</b>	Carbon Steel / ASTM A105
<b>MC</b>	AISI 304 SS
<b>MF</b>	AISI 316 SS
<b>MG</b>	AISI 316L SS
<b>MM</b>	Monel 400
<b>MN</b>	Monel K-500
<b>MO</b>	Hastelloy C-276

MF

3. INSTRUMENT CONNECTION

<b>11N</b>	1/8" NPT (M)
<b>12N</b>	1/4" NPT (M)
<b>13N</b>	3/8" NPT (M)
<b>14N</b>	1/2" NPT (M)
<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)
<b>1SW</b>	1/8" Socket-Weld
<b>2SW</b>	1/4" Socket-Weld
<b>4SW</b>	1/2" Socket-Weld
<b>5SW</b>	3/4" Socket-Weld

04N

4. STEM PACKING

<b>P</b>	PTFE
<b>G</b>	Grafoil

P

5. PROCESS CONNECTION

<b>11N</b>	1/8" NPT (M)
<b>12N</b>	1/4" NPT (M)
<b>13N</b>	3/8" NPT (M)
<b>14N</b>	1/2" NPT (M)
<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)
<b>1SW</b>	1/8" Socket-Weld
<b>2SW</b>	1/4" Socket-Weld
<b>4SW</b>	1/2" Socket-Weld
<b>5SW</b>	3/4" Socket-Weld

04N

6. VALVE FORM

<b>A</b>	Angular
<b>D</b>	Direct

D

7. OTHER OPTIONS

<b>XY</b>	Circular Handle
<b>TN</b>	Tested to NACE standards
<b>TO</b>	Certification for Oxygen service
<b>TM</b>	Material test certificate 2.2
<b>TH</b>	Hydro test certificate
<b>TC</b>	Material test certificate 3.1
<b>XL</b>	Marking by laser

XL

Ordering Example : V101-HS-MF-04N-P-04N-D-XL

NOTES:

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