

# Needle Valves - Male/Female

**Mod. 051 - 053**



## Applications:

- Pressure instruments isolation (gauges, switches, transmitters, etc.)

## Connections:

- Threaded to ANSI-ASME B1.20.1 ISO 228 - ISO 7/1

## Rating:

- Standard: 6,000 PSI (420 bar)
- Optional: 10,000 PSI (700 bar)

## Seals:

- Standard: PTFE ( $T \leq 200^{\circ} \text{C}$ )
- Optional: Graphite ( $T > 200^{\circ} \text{C}$ )

## Features:

- Non rotating trim
- Bonnet locking pin
- Dust cup
- Easy operation

# Ordering Information

Model - M x F	
051	Standard mounting
053	Panel mounting

* Connections OUT	
B	1/4" NPT-F
C	3/8" NPT-F
D	1/2" NPT-F
E	3/4" NPT-F
F	1" NPT-F

Seal Material	
T	PTFE
G	Graphite

051

-

B

B

-

L

-

T

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\* NPT standard  
Add:  
R = BSPT thread  
G = BSPP thread  
Ex: DR = 1/2" BSPT

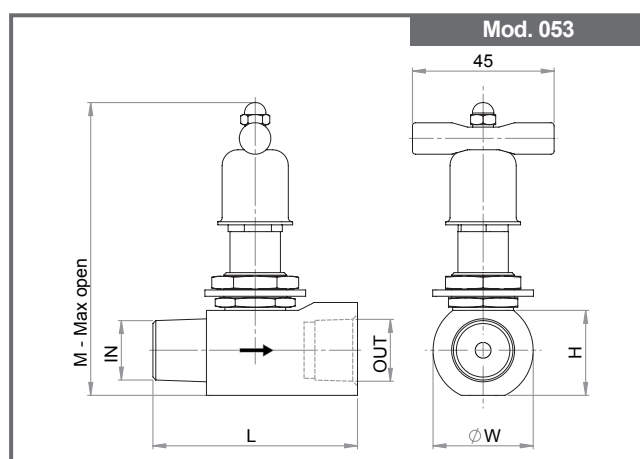
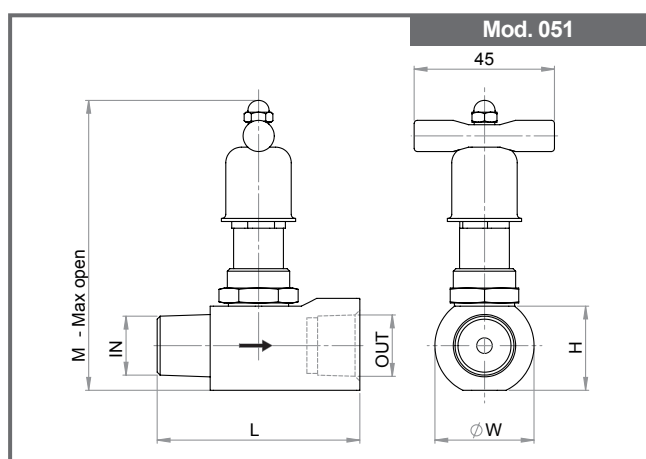
## \*Connections IN

B	1/4" NPT-M
C	3/8" NPT-M
D	1/2" NPT-M
E	3/4" NPT-M
F	1" NPT-M

## Materials

L	S.S. 316L
DL	S.S. 316 / 316L (Dual grade)
N	S.S. 316 Nace
C	C.S. A 105
LF2	C.S. A 350 LF2
D	Duplex F51
SD	Super-duplex
M	Monel 400
X	On demand

Options See Table



Dimensions		L	W	H	M
B	1/4"	60	32	25	85
C	3/8"	60	32	25	85
D	1/2"	70	39	32	98
E	3/4"	80	44	40	106
F	1"	80	44	40	106

Dimensions are in "mm" for reference only, and may be changed without notice.

# Options

-H	-L	-P						Availability			
								Needle Valves	Manifolds	Monoflanges	Ball Valves
A	Antitamper Actuator							✓	✓	✓	✓
B	Bolted Bonnet							✓		✓	✓
F	Oval Flange								✓		
G	Graphite seals							✓	✓	✓	✓
H	Rating 10.000 PSI (²)							✓	✓		
K1	Mechanical Electrical Contact										✓
K2	Magnetic Electrical Contact										✓
KG	Graphite bonnet seals replacement kit							✓	✓	✓	✓
KT	PTFE bonnet seals replacement kit							✓	✓	✓	✓
L	Locking Device							✓		✓	✓
O	Oxygen Service							✓	✓	✓	✓
P	Padlock							✓		✓	✓
Q	Quick Locking Device							✓	✓	✓	✓
R	Swivelling Fitting							✓		✓	✓
Y	Bonnet O.S.&Y.							✓		✓	✓
TV	Painting Treatment							✓	✓	✓	✓
TF	Phosphatization Treatment (¹)							✓	✓	✓	✓
TZ	Zinc Plating Treatment (¹)							✓	✓	✓	✓
U45-V	7/16" UNF L=45 mm screws and nuts kit (2 screws - 2 nuts) for 2 valves manifold								✓		
U75-2V	7/16" UNF L=75 mm screws and nuts kit (2 screws - 2 nuts) for 2 valves manifold								✓		
U45-3/5V	7/16" UNF L=45 mm screws and nuts kit (4 screws - 4 nuts) for 3 and 5 valves manifold								✓		
U75-3/5V	7/16" UNF L=75 mm screws and nuts kit (4 screws - 4 nuts) for 3 and 5 valves manifold								✓		
W	2" Pipe bracket								✓		
AT	Atex Version							✓	✓	✓	✓
GR	Gost R Version							✓	✓	✓	✓
FS	Fire Safe Version							✓	✓	✓	✓
TA	Fugitive Emission TA-LUFT Version							✓	✓	✓	✓
CRN	CURRENT CRN COMPLIANCE FOR 10 CANADIAN PROVINCES							✓	✓	✓	✓

(1) For carbon steel versions only.

(2) For flanged, BW, SW versions operating limits as for reference rules.

X = NOT CODED OPTION

For DB, SBB, DBB valves, repeat option code as many times as requested.  
If you don't find options you need, please feel free to contact our sales Department  
Ex: mod. 739R-DD-S-T-A-A-A = 2 Block + 1 Bleed bonnet Anti-tamper

# Options

-H	-L	-P						Availability			
								Needle Valves	Manifolds	Monoflanges	Ball Valves
IDX	Vent Bottom Right								✓		
ISX	Vent Bottom Left								✓	✓	✓
M	Monel Trim							✓	✓	✓	✓
SPC 1	Special Marking - See descriptor							✓	✓	✓	✓
DIN 7756	Inlet Special Insert 1/8" NPT-M x DIN 7756 VG 8							✓	✓	✓	✓
2.0515 /DN15	Special DN15 marking requirement							✓	✓	✓	✓
3-G-GR -CUTR	GOST & CU-TR Certificate							✓	✓	✓	✓
X	Not Coded Option							✓	✓	✓	✓
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# Available Bonnet Styles

S.S. Dust Cap Bonnet



Original Bonnet



Bolted Bonnet



Anti-Tamper Bonnet



O.S.&Y. Bonnet  
with locking device



O.S.&Y. Bonnet



O.S.&Y. Bonnet



Standard Bonnet with  
locking device

