Threaded Multiport Needle Valves

Mod. 160 ... 163

Applications:

- Isolation of one or more pressure instruments (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 ≤ 200° C) Optional: Graphite (T > 200° C)

Features:

- Non rotating trim
- Bonnet locking pin
- Dust cup
- Instrument optional position

Ordering Information

Model	
160	Female-Female Short Body
161	Male-Female Short Body
162	Female-Female Long Body
163	Male-Female Long Body

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

Face-To-Face	
110	110 MM Length
194	194 MM Length

Seal Material	
T	PTFE
G	Graphite

160	–	D	D	110	–	L	–	T	–	*	*	*

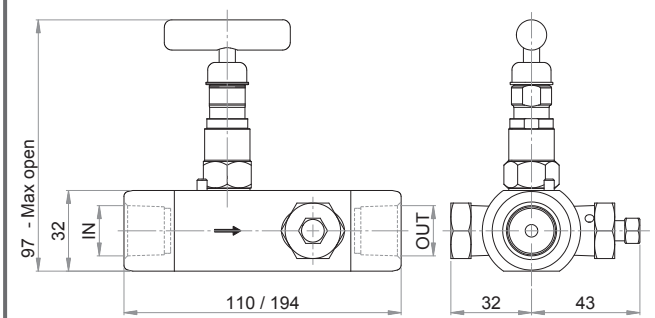
* NPT standard
Add:
R = BSPT thread
G = BSPP thread
Ex: DR = 1/2" BSPT

* Connections IN	
B	1/4" NPT
D	1/2" NPT
E	3/4" NPT

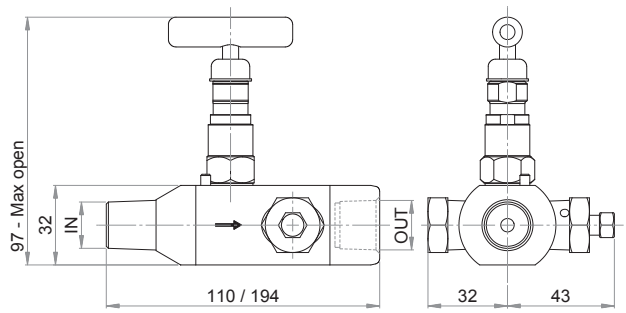
Materials	
L	S.S. 316L
DL	S.S. 316 / 316L (Dual grade)
N	S.S. 316 Nace
C	C.S. A 105
LF2	C.S. A 350 LF2
D	Duplex F51
SD	Super-duplex
M	Monel 400
X	On demand

Options See Table

Mod. 160-162



Mod. 161-163



Mod. 160...163 • Rev. 0

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

Distributed By:
vintech
20 Regan Road, Unit 2
tel + 1 905 840 3482
sales@vintechltd.com
Brampton, Ontario CANADA L7A 1C3
fax + 1 905 840 0852
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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

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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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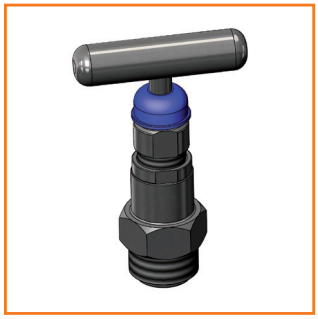
indra VALVES & CONTROLS ITALY

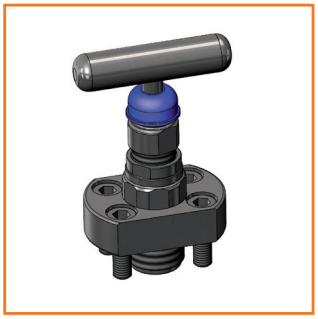
Available Bonnet Styles

S.S. Dust Cap Bonnet

Original Bonnet



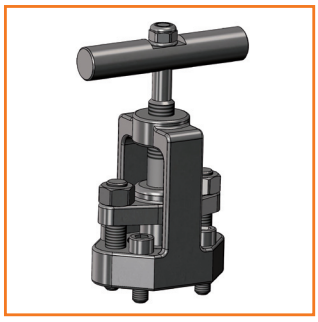
Bolted Bonnet



Anti-Tamper Bonnet

O.S.&Y. Bonnet with locking device

O.S.&Y. Bonnet



O.S.&Y. Bonnet

Standard Bonnet with locking device