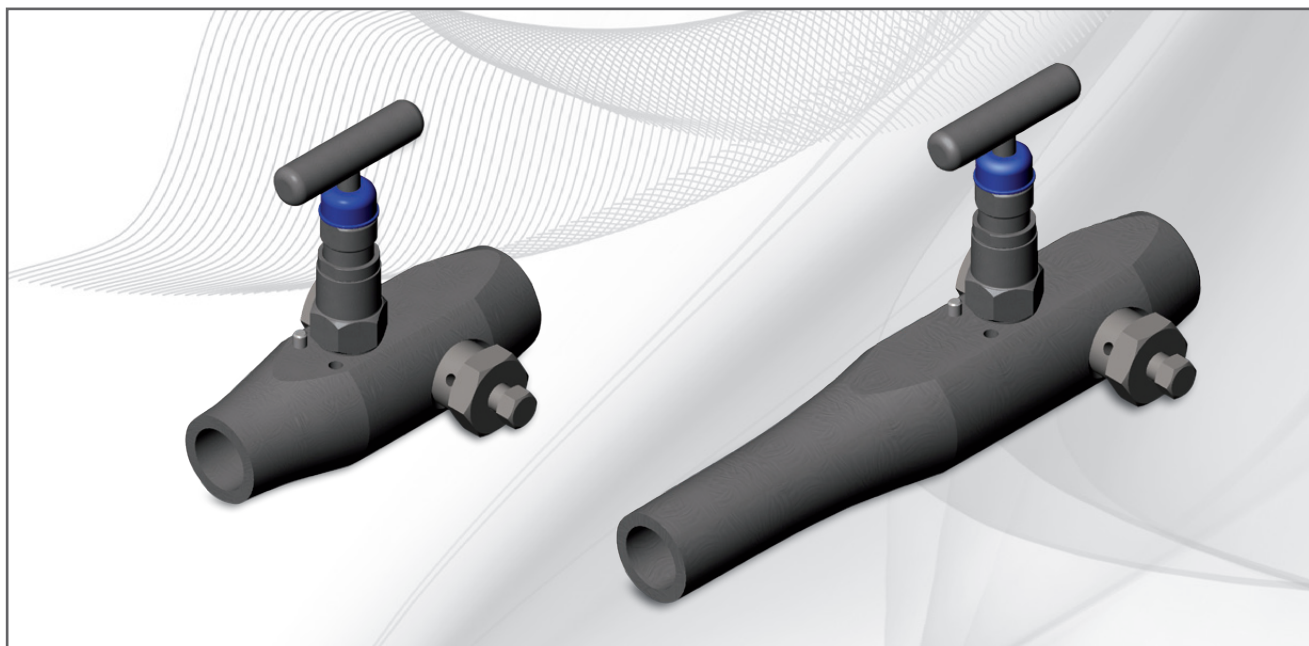# Socket Weld Multiport Needle Valves - SW

Mod. 168SW - 169SW

Applications:

- Isolation of one or more pressure instruments (gauges, switches, transmitters, etc.)
- For mounting to insulated lines

Connections:

- Socket weld inlet (SW)
- Threaded outlet to ANSI-ASME B1.20.1 ISO 228 - ISO 7/1

Rating:

- To pipe schedule rating

Seals:

- Standard: Graphite (T > 200° C)

Features:

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

Ordering Information

Model

168SW	Short Body
169SW	Long Body

Connections IN

B	1/4" BW
D	1/2" BW
E	3/4" BW

Face-to-Face

110	110 MM Length
194	194 MM Length

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

168SW – 80 – E D 110 – L – G – * * *

Schedule

40
80
160
XXS

*Connections OUT

B	1/4" NPT-F
D	1/2" NPT-F

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

Seal Material

G	Graphite

Options See Table

Mod. 165BW - 166BW

IN   OUT   32   97 – Max open

110/194   32   43
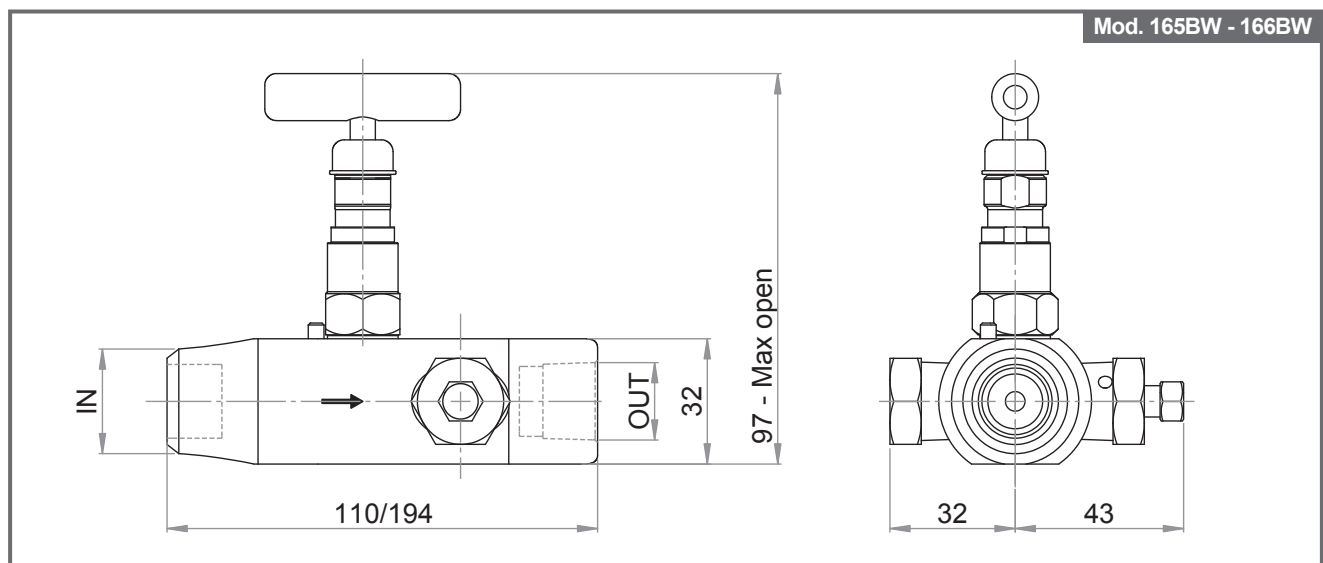
Options

-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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?	?							✔	✔	✔	✔
?	?							✔	✔	✔	✔
?	?							✔	✔	✔	✔

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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

NEW

Standard Bonnet with locking device

NEW