

SB-DB-SBB-DBB Needle Type - Flanged-Flanged

Mod. 138 ... 198

Applications:

- Pressure instruments isolation and vent (gauges, switches, transmitters, etc.).
- Used as alternative to conventional manifold to permit a more compact installation, where presence of vibration is of concern.

Connections:

- Flanged-Flanged

Rating:

- To flange rating

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
- Reduction of time and installation cost

Inlet / Outlet		Dimensions		Weight
DN	Rating	A (mm)	Ø B (mm)	Kg
1/2"	150 *	192	90	6.0
1/2"	300	206	95	6.5
1/2"	600	222	95	6.5
1/2"	900-1500	228	120	9.0
1/2"	2500	244	135	12.0
3/4"	150 *	196	100	6.5
3/4"	300	212	115	7.5
3/4"	600	226	115	7.5
3/4"	900-1500	234	130	10.5
3/4"	2500	248	140	13.0
1"	150	208	110	7.0
1"	300	216	125	8.5
1"	600	230	125	8.5

Inlet / Outlet		Dimensions		Weight
DN	Rating	A (mm)	Ø B (mm)	Kg
1"	900-1500	242	150	13.0
1"	2500	254	160	16.0
1 1/2"	150	216	125	8.5
1 1/2"	300	222	155	11.0
1 1/2"	600	238	155	11.5
1 1/2"	900-1500	248	180	18.0
1 1/2"	2500	272	205	28.5
2"	150	218	150	10.5
2"	300	218	165	12.5
2"	600	238	165	13.5
2"	900-1500	264	215	27.0
2"	2500	290	235	40.5

* only RF version

Ordering Information

Needle Type		
SB	13	Single Block
DB	14	Double Block
SBB	18	Single Block&Bleed
DBB	19	Double Block&Bleed

Connections IN-OUT	
D	1/2" FLANGE
E	3/4" FLANGE
F	1" FLANGE
H	1 1/2" FLANGE
J	2" FLANGE

*Vent (only for SBB-DBB)	
B	1/4" NPT-F
D	1/2" NPT-F (std)

Seal Material	
T	PTFE (std)
G	Graphite
X	On demand

Options See Table

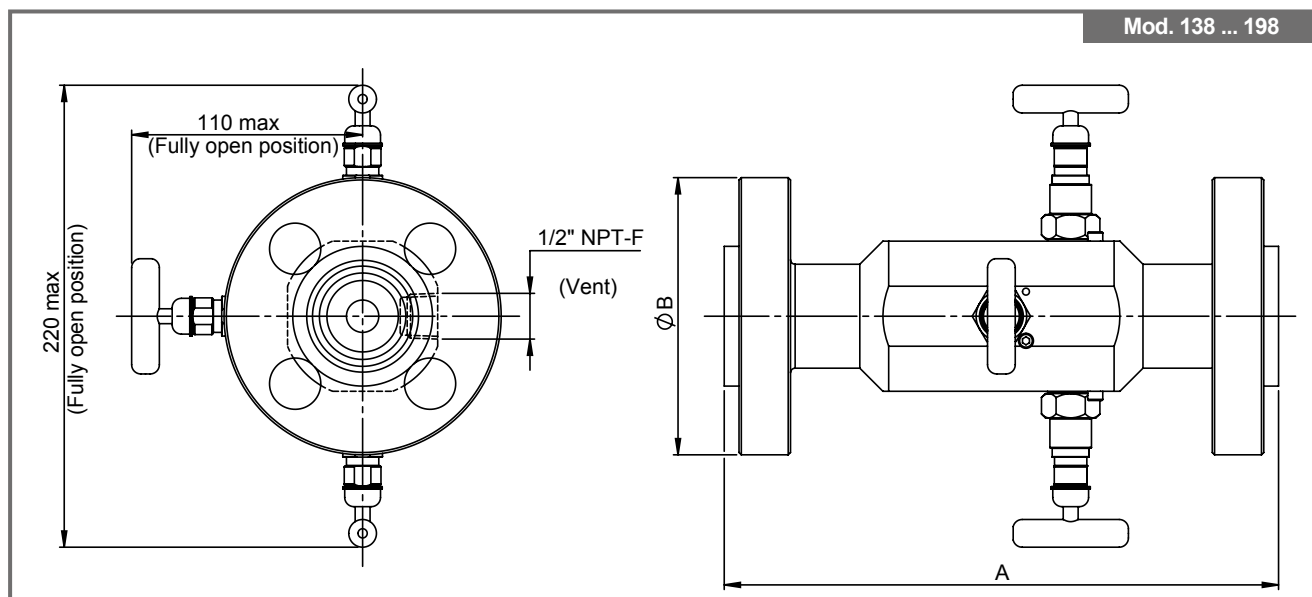
DBB - 19 8 - D 150RF - D - L - T - * * *

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

Connections	
8	Flange - Flange

Flange	
150 RF	
300 RF	
600 RF	
900/1500 RF	
2500 RF	
150 RTJ	
300 RTJ	
600 RTJ	
900/1500 RTJ	
2500 RTJ	

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



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

