ACCESSORIES

D1 & D2 Type — Guage Damper



Max. Temperature: 120°C Max. Pressure: 400 bar at 60°C

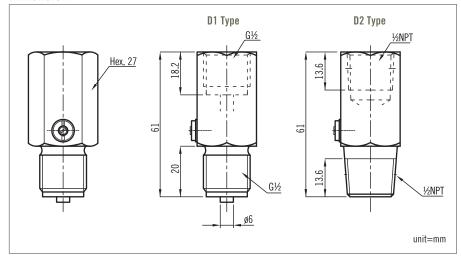
Туре	Connection Thread*
D1	G ½ (G½" Female x G½" Male)
D2	½ NPT (½"NPT Female x ½"NPT Male)

^{*}Also available with connection thread G¼, G¾ ,and ¼NPT.

Parts Material

Body	SS316
Screw plug	SS316
0-ring	Viton
Adjusting stem	SS316

Dimension



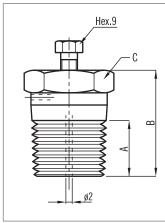
VT Type — Drain/Vent Valves



Drain/Vent Valves Material: SS316, and others on request.

Max. Temperature: 250°C Max. Pressure: 100 bar at 60°C

Dimension

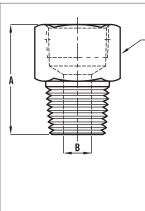


			unit=mm
Connection Size	1/4"NPT	%"NPT	1/2"NPT
Α	10.2	10.4	13.6
В	27.5	27.5	30.0
C	16.0	19.0	25.0

NN & BN Type — Reducing Adapter



A. NN Type — Thread NPT to Thread NPT

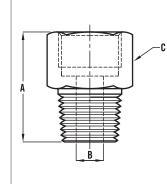


Ordering Information & Dimensions

Ordering Code	Connection Size	A	В	C
NN-1	⅓"NPT female x ¼"NPT male	29	4.8	23
NN-2	⅓"NPT female x ¾"NPT male	32	4.8	23
NN-3	⅓"NPT female x ½"NPT male	36	4.8	23
NN-4	⅓"NPT female x ¾"NPT male	36	4.8	29
NN-5	⅓"NPT female x ⅓"NPT male	29	4.8	23
NN-6	⅓"NPT female x ¾"NPT male	34	7.1	23
NN-7	¼"NPT female x ½"NPT male	38	7.1	23
NN-8	⅓"NPT female x ¾"NPT male	38	7.1	29
NN-9	¾"NPT female x ⅓"NPT male	32	4.8	23
NN-10	¾"NPT female x ¼"NPT male	34	7.1	23
NN-11	¾"NPT female x ½"NPT male	41	9.6	23
NN-12	%"NPT female x ¾"NPT male	41	9.6	29
NN-13	½"NPT female x ½"NPT male	36	4.8	27
NN-14	½"NPT female x ¼"NPT male	38	7.1	27
NN-15	½"NPT female x ¾"NPT male	38	9.6	27
NN-16	½"NPT female x ¾"NPT male	45	11.9	29
NN-17	¾"NPT female x ½"NPT male	36	4.8	35
NN-18	¾"NPT female x ¼"NPT male	38	7.1	35
NN-19	¾"NPT female x ¾"NPT male	41	9.6	35
NN-20	¾"NPT female x ¾"NPT male	45	15.7	35

unit=in(mm)

B. BN Type — Thread BSP(PF) to Thread NPT



Ordering Information & Dimensions

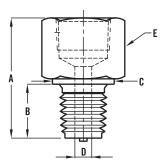
Ordering Code	Connection Size	A	В	C
BN-1	¼"BSP(PF) female x ⅓"NPT male	30	4.1	23
BN-2	¼"BSP(PF) female x ¾"NPT male	35	5.8	23
BN-3	1/4"BSP(PF) female x 1/2"NPT male	39	5.8	23
BN-4	1/4"BSP(PF) female x 3/4"NPT male	39	5.8	29
BN-5	¾"BSP(PF) female x ¼"NPT male	30	4.1	23
BN-6	¾"BSP(PF) female x ¼"NPT male	32	5.8	23
BN-7	¾"BSP(PF) female x ½"NPT male	39	7.9	23
BN-8	¾"BSP(PF) female x ¾"NPT male	39	7.9	29
BN-9	½"BSP(PF) female x ½"NPT male	33	4.1	27
BN-10	½"BSP(PF) female x ¼"NPT male	35	5.8	27
BN-11	½"BSP(PF) female x ¾"NPT male	38	7.9	27
BN-12	½"BSP(PF) female x ¾"NPT male	42	11.9	29
BN-13	¾"BSP(PF) female x ½"NPT male	35	4.1	35
BN-14	¾"BSP(PF) female x ¼"NPT male	37	5.8	35
BN-15	¾"BSP(PF) female x ¾"NPT male	40	7.9	35
BN-16	¾"BSP(PF) female x ½"NPT male	44	11.9	35

unit=in(mm)

NB & BB Type — Reducing Adapter



A. NB Type — Thread NPT to Thread BSP(PF)

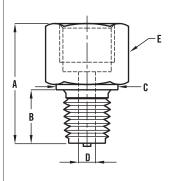


Ordering Information & Dimensions

Ordering Code	Connection Size	A	В	C	D	E
NB-1	⅓"NPT female x ¼"BSP male	30	11.2	18	4.1	23
NB-2	⅓"NPT female x ¾"BSP male	32	11.2	21.6	4.1	23
NB-3	⅓"NPT female x ½"BSP male	36	14.2	25.9	4.1	27
NB-4	⅓"NPT female x ¾"BSP male	36	15.7	32	4.1	35
NB-5	¼"NPT female x ¼"BSP male	32	11.2	18	5.8	23
NB-6	¼"NPT female x ¾"BSP male	34	11.2	21.6	5.8	23
NB-7	¼"NPT female x ½"BSP male	38	14.2	25.9	5.8	27
NB-8	¼"NPT female x ¾"BSP male	38	15.7	32	5.8	35
NB-9	¾"NPT female x ¼"BSP male	35	11.2	18	5.8	23
NB-10	¾"NPT female x ¾"BSP male	37	11.2	21.6	7.9	23
NB-11	¾"NPT female x ½"BSP male	41	14.2	25.9	7.9	27
NB-12	¾"NPT female x ¾"BSP male	41	15.7	32	7.9	35
NB-13	½"NPT female x ¼"BSP male	39	11.2	18	5.8	23
NB-14	½"NPT female x ¾"BSP male	41	11.2	21.6	7.9	23
NB-15	½"NPT female x ½"BSP male	45	14.2	25.9	11.9	27
NB-16	½"NPT female x ¾"BSP male	45	15.7	32	11.9	35
NB-17	¾"NPT female x ¼"BSP male	39	11.2	18	5.8	23
NB-18	¾"NPT female x ¾"BSP male	41	11.2	21.6	7.9	23
NB-19	¾"NPT female x ½"BSP male	45	14.2	25.9	11.9	27
NB-20	¾"NPT female x ¾"BSP male	45	15.7	32	15.7	35
	NB-1 NB-2 NB-3 NB-4 NB-5 NB-6 NB-7 NB-8 NB-9 NB-10 NB-11 NB-12 NB-13 NB-14 NB-15 NB-16 NB-17 NB-18 NB-19	NB-1	NB-1 ½"NPT female x ¼"BSP male 30 NB-2 ½"NPT female x ½"BSP male 32 NB-3 ½"NPT female x ½"BSP male 36 NB-4 ½"NPT female x ¾"BSP male 36 NB-5 ¼"NPT female x ¼"BSP male 32 NB-6 ¼"NPT female x ½"BSP male 34 NB-7 ¼"NPT female x ½"BSP male 38 NB-8 ¼"NPT female x ½"BSP male 35 NB-9 ¾"NPT female x ½"BSP male 37 NB-10 ¾"NPT female x ½"BSP male 41 NB-12 ¾"NPT female x ½"BSP male 41 NB-12 ¾"NPT female x ½"BSP male 41 NB-13 ½"NPT female x ½"BSP male 41 NB-14 ½"NPT female x ½"BSP male 45 NB-15 ½"NPT female x ½"BSP male 45 NB-16 ½"NPT female x ½"BSP male 45 NB-17 ¾"NPT female x ¼"BSP male 45 NB-18 ¾"NPT female x ½"BSP male 41 NB-19 ¾"NPT female x ½"BSP male 45	NB-1 ½"NPT female x ¼"BSP male 30 11.2 NB-2 ½"NPT female x ½"BSP male 32 11.2 NB-3 ½"NPT female x ½"BSP male 36 14.2 NB-4 ½"NPT female x ¾"BSP male 36 15.7 NB-5 ¼"NPT female x ¼"BSP male 32 11.2 NB-6 ¼"NPT female x ½"BSP male 34 11.2 NB-7 ¼"NPT female x ½"BSP male 38 14.2 NB-8 ¼"NPT female x ½"BSP male 35 11.2 NB-9 ¾"NPT female x ½"BSP male 37 11.2 NB-10 ¾"NPT female x ½"BSP male 41 14.2 NB-11 ¾"NPT female x ½"BSP male 41 15.7 NB-12 ¾"NPT female x ½"BSP male 41 15.7 NB-13 ½"NPT female x ½"BSP male 41 11.2 NB-14 ½"NPT female x ½"BSP male 45 14.2 NB-15 ½"NPT female x ½"BSP male 45 15.7 NB-16 ½"NPT female x ½"BSP male 45 15.7	NB-1 ½"NPT female x ¼"BSP male 30 11.2 18 NB-2 ½"NPT female x ½"BSP male 32 11.2 21.6 NB-3 ½"NPT female x ½"BSP male 36 14.2 25.9 NB-4 ½"NPT female x ¾"BSP male 36 15.7 32 NB-5 ¼"NPT female x ¼"BSP male 32 11.2 18 NB-6 ¼"NPT female x ½"BSP male 34 11.2 21.6 NB-7 ¼"NPT female x ½"BSP male 38 14.2 25.9 NB-8 ¼"NPT female x ½"BSP male 35 11.2 18 NB-9 ¾"NPT female x ¼"BSP male 37 11.2 21.6 NB-10 ¾"NPT female x ½"BSP male 41 14.2 25.9 NB-11 ¾"NPT female x ½"BSP male 41 15.7 32 NB-12 ¾"NPT female x ½"BSP male 41 11.2 18 NB-13 ½"NPT female x ½"BSP male 45 14.2 25.9 NB-14 ½"NPT female x ½"BSP male 45 14.2 <td< td=""><td>NB-1 ½"NPT female x ¼"BSP male 30 11.2 18 4.1 NB-2 ½"NPT female x ½"BSP male 32 11.2 21.6 4.1 NB-3 ½"NPT female x ½"BSP male 36 14.2 25.9 4.1 NB-4 ½"NPT female x ½"BSP male 36 15.7 32 4.1 NB-5 ¼"NPT female x ½"BSP male 32 11.2 18 5.8 NB-6 ¼"NPT female x ¾"BSP male 34 11.2 21.6 5.8 NB-7 ¼"NPT female x ½"BSP male 38 14.2 25.9 5.8 NB-8 ¼"NPT female x ½"BSP male 38 15.7 32 5.8 NB-9 ¾"NPT female x ¾"BSP male 35 11.2 18 5.8 NB-9 ¾"NPT female x ¾"BSP male 35 11.2 18 5.8 NB-10 ¾"NPT female x ¾"BSP male 37 11.2 21.6 7.9 NB-11 ¾"NPT female x ½"BSP male 41 14.2 25.9 7.9 NB-12 ¾"NPT female x ½"BSP male 41 15.7 32 7.9 NB-13 ½"NPT female x ¾"BSP male 41 15.7 32 7.9 NB-14 ½"NPT female x ¾"BSP male 41 11.2 21.6 7.9 NB-15 ½"NPT female x ½"BSP male 41 11.2 21.6 7.9 NB-16 ½"NPT female x ½"BSP male 45 14.2 25.9 11.9 NB-17 ¾"NPT female x ¾"BSP male 45 15.7 32 11.9 NB-18 ¾"NPT female x ¾"BSP male 45 15.7 32 11.9 NB-19 ¾"NPT female x ¾"BSP male 41 11.2 21.6 7.9 NB-19 ¾"NPT female x ¾"BSP male 45 14.2 25.9 11.9</td></td<>	NB-1 ½"NPT female x ¼"BSP male 30 11.2 18 4.1 NB-2 ½"NPT female x ½"BSP male 32 11.2 21.6 4.1 NB-3 ½"NPT female x ½"BSP male 36 14.2 25.9 4.1 NB-4 ½"NPT female x ½"BSP male 36 15.7 32 4.1 NB-5 ¼"NPT female x ½"BSP male 32 11.2 18 5.8 NB-6 ¼"NPT female x ¾"BSP male 34 11.2 21.6 5.8 NB-7 ¼"NPT female x ½"BSP male 38 14.2 25.9 5.8 NB-8 ¼"NPT female x ½"BSP male 38 15.7 32 5.8 NB-9 ¾"NPT female x ¾"BSP male 35 11.2 18 5.8 NB-9 ¾"NPT female x ¾"BSP male 35 11.2 18 5.8 NB-10 ¾"NPT female x ¾"BSP male 37 11.2 21.6 7.9 NB-11 ¾"NPT female x ½"BSP male 41 14.2 25.9 7.9 NB-12 ¾"NPT female x ½"BSP male 41 15.7 32 7.9 NB-13 ½"NPT female x ¾"BSP male 41 15.7 32 7.9 NB-14 ½"NPT female x ¾"BSP male 41 11.2 21.6 7.9 NB-15 ½"NPT female x ½"BSP male 41 11.2 21.6 7.9 NB-16 ½"NPT female x ½"BSP male 45 14.2 25.9 11.9 NB-17 ¾"NPT female x ¾"BSP male 45 15.7 32 11.9 NB-18 ¾"NPT female x ¾"BSP male 45 15.7 32 11.9 NB-19 ¾"NPT female x ¾"BSP male 41 11.2 21.6 7.9 NB-19 ¾"NPT female x ¾"BSP male 45 14.2 25.9 11.9

unit=in(mm)

B. BB Type — Thread BSP(PF) to Thread BSP(PF)



Ordering Information & Dimensions

Ordering Code	Connection Size	A	В	C	D	E
BB-1	¼"BSP female x ¾"BSP male	30	11.2	21.6	5.8	23
BB-2	¼"BSP female x ½"BSP male	35	14.2	25.9	5.8	23
BB-3	¼"BSP female x ¾"BSP male	36	15.7	32	5.8	35
BB-4	¾"BSP female x ¼"BSP male	33	11.2	18	5.8	23
BB-5	¾"BSP female x ½"BSP male	35	14.2	25.9	7.9	27
BB-6	¾"BSP female x ¾"BSP male	36	15.7	32	7.9	35
BB-7	½"BSP female x ¼"BSP male	36	11.2	18	5.8	23
BB-8	½"BSP female x ¾"BSP male	36	11.2	21.6	7.9	23
BB-9	½"NPT female x ¾"BSP male	39	15.7	32	11.9	35
BB-10	¾"BSP female x ¼"BSP male	37	11.2	18	5.8	23
BB-11	¾"BSP female x ¾"BSP male	37	11.2	21.6	7.9	23
BB-12	¾"BSP female x ½"BSP male	40	14.2	25.9	11.9	27

unit=in(mm)