

Model UB shown with optional Pressure / Temperature Port and Air Vent.

*See notes below Connection Dimensions chart regarding F dimension

Product Information

Body: DZR Brass
Rating: 600 psig at 250° F (40 Bar at 120° C)
Union (Optional): Brass with EPDM O-ring
Fixed Connection: DZR Brass

Model UB is a shut-off valve with large diameter plated ball and Teflon seats. Stem is blowout proof with EPDM O-ring and PTFE packing with packing nut. Micro handle customary on the A body, and standard handle customary on the B and C bodies; all available with optional adjustable memory stop for shut-off and resetting and vinyl coated grip. Available with union connection or fixed threaded or sweat connections each with a metal-to-metal and EPDM O-ring seal.

Configuration Information

Body Size	Cv/(Kv)	Fixed Connections in./ (mm)	Union Connections in./ (mm)
A	6 (6.94)	1/2 (15) S, F, M 3/4 (20) S, F, M 1 (25) S, F, M	3/8 (10) S 1/2 (15) S, F, M 3/4 (20) S, M
B	19 (21.97)	1/2 (15) S, F, M 3/4 (20) S, F, M 1 (25) S, F, M 1 1/4 (32) S, F, M	1/2 (15) S, F, M 3/4 (20) S, M 1 (25) S, F, M 1 1/4 (32) S, F, M
C	66 (76.30)	1 1/4 (32) S, F, M 1 1/2 (40) S, F, M 2 (50) S, F, M	1 1/4 (32) S, F, M 1 1/2 (40) S, F, M 2 (50) S, F, M
		S = female sweat	F = female NPT
			M = male NPT

Notes

Disclaimer: The products, texts, photographs, graphics and diagrams in this submittal may be subject to alteration by Flow Design Inc. without prior notice or reason being given.

Product Information

Dimensions not to be used for construction unless prints certified by factory.

Body Dimensions

Body Size	A	B	C	Weight lb./kg
	in./mm	in./mm	in./mm	
A	3.5 (90)	2.3 (58)	2.1 (53)	0.8 (0.4)
B	3.8 (97)	2.3 (58)	2.2 (56)	1.2 (0.5)
C	5.4 (137)	5.5 (140)	3.5 (89)	3.6 (1.6)

Notes

All weights and dimensions are subject to minor changes.

Connection Dimensions

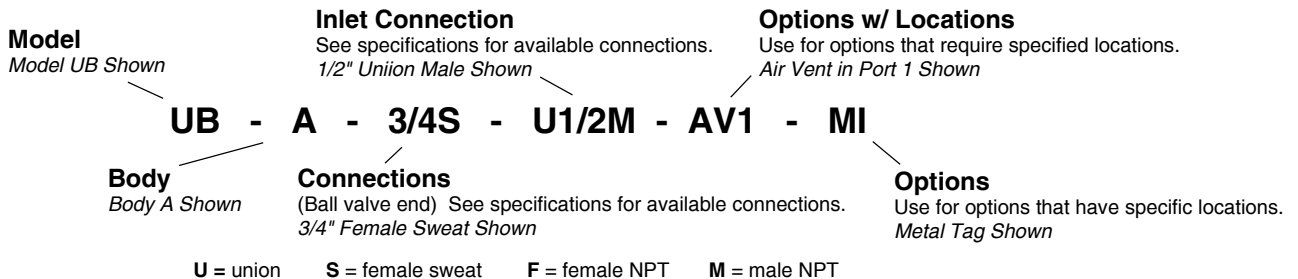
Body Size	Connection Type	D in./mm				E in./mm				Weight lb./kg			
		3/8 (10)	1/2 (15)	3/4 (20)	1 (25)	3/8 (10)	1/2 (15)	3/4 (20)	1 (25)	3/8 (10)	1/2 (15)	3/4 (20)	1 (25)
A	S	—	0.5 (14)	0.8 (20)	1.2 (29)	—	1.1 (28)	1.2 (29)	1.5 (29)	—	0.1 (.05)	0.1 (.05)	0.2 (.08)
	F	—	0.7 (17)	0.8 (20)	1.1 (29)	—	1.1 (28)	1.3 (33)	1.6 (29)	—	0.1 (.06)	0.2 (.08)	0.4 (.16)
	Union S	1.4 (35)	1.5 (37)	1.6 (40)	—	1.6 (39)	1.6 (39)	1.6 (39)	—	0.5 (.20)	0.4 (.20)	0.4 (.20)	—
	Union F	—	1.5 (37)	—	—	—	1.6 (39)	—	—	—	—	0.5 (.21)	—
	Union M	—	2.4 (61)	2.2 (57)	—	—	1.6 (39)	1.6 (39)	—	—	0.5 (.24)	0.5 (.20)	—
B	S	1/2 (15)	3/4 (20)	1 (25)	1 1/4 (32)	1/2 (15)	3/4 (20)	1 (25)	1 1/4 (32)	1/2 (15)	3/4 (20)	1 (25)	1 1/4 (32)
	F	0.5 (14)	0.8 (19)	1.0 (25)	1.2 (28)	1.3 (34)	1.3 (34)	1.5 (37)	1.8 (51)	0.2 (.07)	0.2 (.08)	0.1 (.05)	0.3 (.20)
	Union S	0.7 (18)	0.7 (19)	0.9 (24)	1.1 (32)	1.3 (34)	1.3 (34)	1.6 (41)	2.0 (45)	0.2 (.08)	0.2 (.09)	0.3 (.13)	0.4 (.12)
	Union F	1.5 (37)	1.7 (43)	1.7 (42)	1.8 (45)	2.1 (53)	2.1 (53)	2.4 (60)	2.8 (72)	0.4 (.20)	0.5 (.20)	2.7 (1.21)	1.2 (.54)
	Union M	1.5 (39)	1.6 (40)	1.7 (43)	1.7 (43)	2.1 (53)	2.1 (53)	2.4 (60)	2.8 (72)	0.5 (.22)	0.5 (.22)	2.8 (1.25)	1.3 (.57)
C	S	2.4 (60)	2.2 (56)	2.5 (63)	2.5 (64)	2.1 (53)	2.1 (53)	2.4 (60)	2.8 (72)	0.6 (.26)	0.6 (.28)	3.0 (1.34)	1.5 (.69)
	F	1 1/4 (32)	1 1/2 (40)	2 (50)	—	1 1/4 (32)	1 1/2 (40)	2 (50)	—	1 1/4 (32)	1 1/2 (40)	2 (50)	—
	Union S	1.2 (29)	1.2 (31)	1.7 (42)	—	2.4 (62)	2.4 (62)	2.7 (69)	—	0.7 (.31)	0.6 (.28)	—	0.7 (.29)
	Union F	0.9 (23)	0.9 (23)	1.2 (29)	—	2.4 (62)	2.4 (62)	2.9 (72)	—	0.8 (.34)	0.6 (.29)	—	0.6 (.29)
	Union M	2.0 (51)	2.1 (54)	2.4 (61)	—	3.5 (88)	3.5 (88)	3.8 (97)	—	2.4 (1.10)	2.4 (1.10)	—	2.8 (1.27)
C	S	1.9 (49)	1.9 (49)	2.0 (50)	—	3.5 (88)	3.5 (88)	3.8 (97)	—	2.7 (1.24)	2.7 (1.24)	—	3.1 (1.38)
	F	3.0 (75)	3.0 (76)	2.8 (72)	—	3.5 (88)	3.5 (88)	3.8 (97)	—	2.8 (1.28)	3.0 (1.37)	—	2.8 (1.29)
	Union S	—	—	—	—	—	—	—	—	—	—	—	—
	Union F	—	—	—	—	—	—	—	—	—	—	—	—
	Union M	—	—	—	—	—	—	—	—	—	—	—	—

Notes

All weights and dimensions are subject to minor changes.

*The F dimension may be calculated by using two D dimensions and adding them to the A dimension of the valve body.

Model Order Designation



Options Available

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| AA Automatic Air Vent | MH Micro Handle (optional on B body) | MS Memory Stop |
| AV Manual Air Vent | PI Plastic ID Tag | <i>Various convenience fittings are available.</i> |
| EH Extended Handle | PL Plug | |
| HN Hose End Drain | XL One Extended P/T Port | |