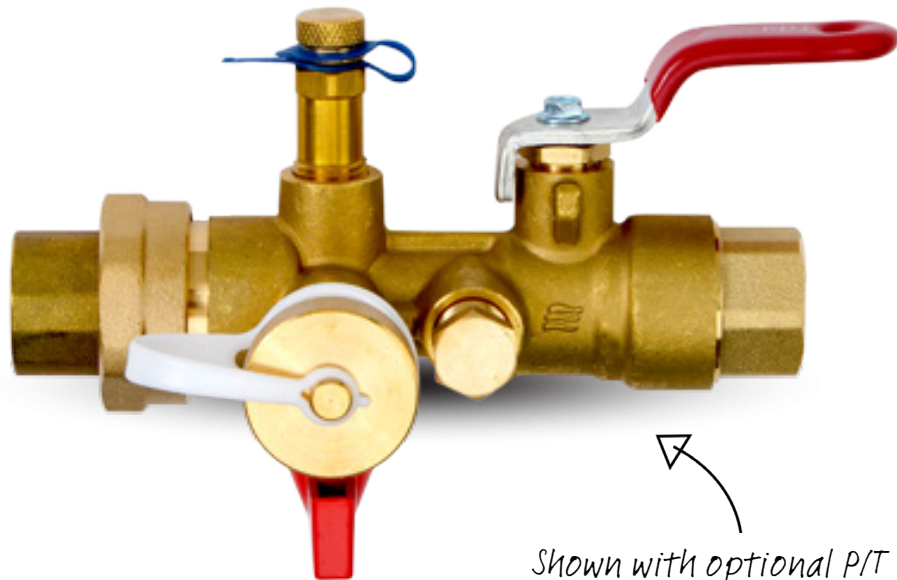


UB

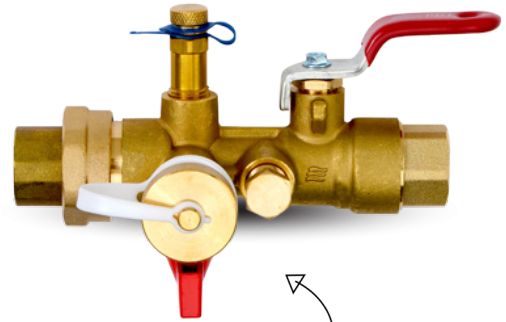


*Shown with optional P/T Port
and hose end drain*

Hook-Up Components
Shut-off valve with union

UB

Model UB is a shut-off valve with large diameter plated ball and PTFE 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 and fixed threaded or sweat connections each with a metal-to-metal and EPDM O-ring seal.



Shown with optional P/T Port and hose end drain

Key features

- > **Multiple Accessory Ports**
P/T port, air vent and drains
- > **Selectable Ends**
Avoid adapters

Technical description

Application:
Hydronic Balancing

Dimensions:
1/2" - 2-1/2"

Material:
Body: DZR Brass
Union (Optional): Brass with EPDM O-ring
Fixed Connection: DZR Brass

Functions:
Shut-off

Rating:
600 psig at 250° F (40 Bar at 120° C)

Configuration Information

Body	Cv (Kv)	Fixed Connections			Union Connections		
		in. (mm)			in. (mm)		
A	6 (6.94)	1/2 (15)	S, F	-	-	-	
		3/4 (20)	S, F	1/2 (15)	S, F, M	-	
		1 (25)	S, F	3/4 (20)	S, M	-	
B	19 (21.97)	1/2 (15)	S, F	1/2 (15)	S, F, M	-	
		3/4 (20)	S, F	3/4 (20)	S, M	-	
		1 (25)	S, F	1 (25)	S, F, M	-	
		1 1/4 (32)	S, F	1 1/4 (32)	S, F, M	-	
C	66 (76.36)	1 1/4 (32)	S, F	1 1/4 (32)	S, F, M	-	
		1 1/2 (40)	S, F	1 1/2 (40)	S, F, M	-	
		2 (50)	S, F	2 (50)	S, F, M	-	
		2-1/2 (65)	S, F	2-1/2 (65)	F, M	-	

Connection Weights

Body	Connection Type	Weight (lbs./kg)			
		1/2 (15mm)	3/4 (20mm)	1 (25mm)	1 1/4 (32mm)
A	S	-	0.1 (.05)	0.1 (.05)	0.2 (.08)
	F	-	0.1 (.06)	0.2 (.08)	0.4 (.16)
	Union S	-	0.4 (.20)	0.4 (.20)	-
	Union F	-	-	0.5 (.21)	-
	Union M	-	0.5 (.24)	0.5 (.20)	-
B		1/2 (15mm)	3/4 (20mm)	1 (25mm)	1 1/4 (32mm)
	S	0.2 (.07)	0.2 (.08)	0.1 (.05)	0.3 (.20)
	F	0.2 (.08)	0.2 (.09)	0.3 (.13)	0.4 (.12)
	Union S	0.4 (.20)	0.5 (.20)	2.7 (1.21)	1.2 (.54)
	Union F	0.5 (.22)	0.5 (.22)	2.8 (1.25)	1.3 (.57)
Union M	0.6 (.26)	0.6 (.28)	3.0 (1.34)	1.5 (.69)	
C		1 1/4 (32mm)	1 1/2 (40mm)	2 (50mm)	2-1/2 (65mm)
	S	0.7 (.31)	0.6 (.28)	0.7 (.29)	1.2 (0.5)
	F	0.8 (.34)	0.6 (.29)	0.6 (.29)	1.5 (0.7)
	Union S	2.4 (1.10)	2.4 (1.10)	2.8 (1.27)	-
	Union F	2.7 (1.24)	2.7 (1.24)	3.1 (1.38)	3.5 (1.6)
Union M	2.8 (1.28)	3.0 (1.37)	2.8 (1.29)	4.54 (2.1)	

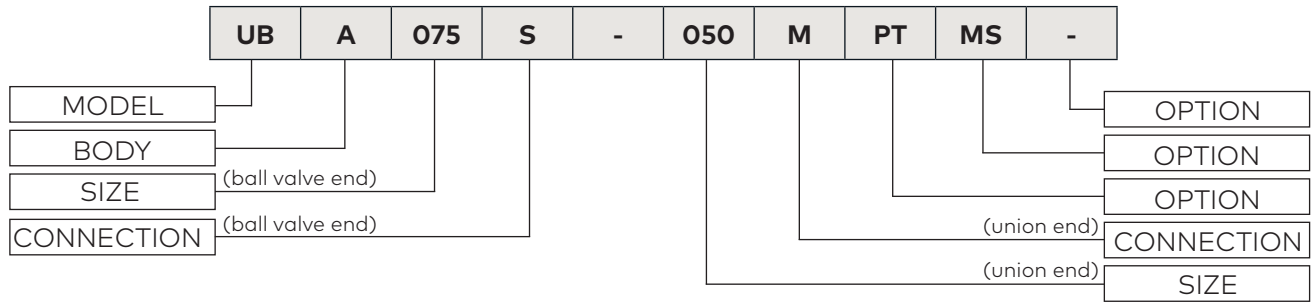
S = female sweat

F = female NPT

M = male NPT



Model UB Order Designation



S = female sweat **F** = female NPT **M** = male NPT

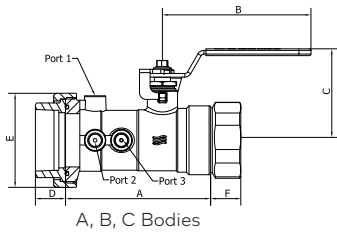
1/2" - 2" Ball Valves (Model UB)

<p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> U 3/8" S U 1/2" S U 3/4" S </div> <div style="text-align: center;"> U 1/2" F U 3/4" F </div> <div style="text-align: center;"> U 1/2" M U 3/4" M </div> </div> <p>1" inlet connection not available</p>	<p>Body A</p>	<p>Connections (Outlet)</p> <p style="text-align: center;">Fixed</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 1/2" S 3/4" S 1" S </div> <div style="text-align: center;"> 1/2" F 3/4" F 1" F </div> </div>
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<p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> U 1/2" S U 3/4" S U 1" S U 1 1/4" S </div> <div style="text-align: center;"> U 1/2" F U 3/4" F U 1" F U 1 1/4" F </div> <div style="text-align: center;"> U 1/2" M U 3/4" M U 1" M U 1 1/4" M </div> </div>	<p>Body B</p>	<p>Connections (Outlet)</p> <p style="text-align: center;">Fixed</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 1/2" S 3/4" S 1" S 1 1/4" S </div> <div style="text-align: center;"> 1/2" F 3/4" F 1" F 1 1/4" F </div> </div>
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<p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> U 1 1/4" S U 1 1/2" S U 2" S </div> <div style="text-align: center;"> U 1 1/4" F U 1 1/2" F U 2" F U 2 1/2" F </div> <div style="text-align: center;"> U 1 1/4" M U 1 1/2" M U 2" M U 2 1/2" M </div> </div>	<p>Body C</p>	<p>Connections (Outlet)</p> <p style="text-align: center;">Fixed</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> 1 1/4" S 1 1/2" S 2" S 2 1/2" S </div> <div style="text-align: center;"> 1 1/4" F 1 1/2" F 2" F 2 1/2" F </div> </div>
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Articles



Body Dimensions

Body	A		B		C		Weight	
	in.	(mm)	in.	(mm)	in.	(mm)	lb.	(kg)
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)

Connection Dimensions

Body	Conn. Type	D in./mm					E in./mm					F in./mm			
		1/2 (15)	3/4 (20)	1 (25)	-	-	1/2 (15)	3/4 (20)	1 (25)	-	-	1/2 (15)	3/4 (20)	1 (25)	-
A	Fixed S	-	-	-	-	-	-	-	-	-	-	1.03 (26.2)	1.28 (32.5)	1.57 (39.8)	-
	Fixed F	-	-	-	-	-	-	-	-	-	0.64 (16.3)	0.79 (20.1)	1.13 (28.7)	-	
	Union S	0.7 (17.8)	0.88 (22.4)	*1.38 (35.1)	-	-	1.6 (40.6)	1.6 (40.6)	2.1 (52.2)	-	-	-	-	-	-
	Union F	0.91 (23.1)	*1.09 (27.7)	-	-	-	1.6 (40.6)	2.1 (52.2)	-	-	-	-	-	-	-
	Union M	1.54 (39.1)	1.65 (41.9)	*2.14 (54.4)	-	-	1.6 (40.6)	1.6 (40.6)	2.1 (52.2)	-	-	-	-	-	-
B	Fixed S	-	-	-	-	-	-	-	-	-	-	1.03 (26.2)	1.28 (32.5)	1.57 (39.8)	1.63 (41.3)
	Fixed F	-	-	-	-	-	-	-	-	-	0.68 (17.3)	0.72 (18.3)	0.93 (23.6)	1.11 (28.2)	
	Union S	0.73 (18.5)	0.98 (24.9)	1.14 (29)	*1.36 (34.5)	*1.48 (37.6)	2.1 (52.2)	2.1 (52.2)	2.1 (52.2)	2.8 (70.8)	2.8 (70.8)	-	-	-	-
	Union F	0.80 (20.3)	0.85 (21.6)	*1.14 (29)	*1.14 (29)	-	2.1 (52.2)	2.1 (52.2)	2.8 (70.8)	2.8 (70.8)	-	-	-	-	-
	Union M	1.63 (41.4)	1.50 (38.1)	1.90 (48.3)	*2.35 (59.7)	*2.36 (60)	2.1 (52.2)	2.1 (52.2)	2.1 (52.2)	2.8 (70.8)	2.8 (70.8)	-	-	-	-
C	Fixed S	-	-	-	-	-	-	-	-	-	-	1.15 (29.2)	1.22 (31.0)	1.65 (41.9)	2.05 (52.10)
	Fixed F	-	-	-	-	-	-	-	-	-	0.90 (22.9)	0.90 (22.9)	1.15 (29.2)	1.25 (31.8)	
	Union S	1.22 (31)	1.34 (34)	1.59 (40.4)	-	-	3.8 (96.7)	3.8 (96.7)	3.8 (96.7)	-	-	-	-	-	-
	Union F	1.10 (27.9)	0.95 (24.1)	1.13 (28.7)	*1.58 (40.1)	-	3.8 (96.7)	3.8 (96.7)	3.8 (96.7)	4.6 (116.8)	-	-	-	-	-
	Union M	2.40 (61)	2.14 (54.4)	2.00 (50.8)	*3.15 (80)	-	3.8 (96.7)	3.8 (96.7)	3.8 (96.7)	4.6 (116.8)	-	-	-	-	-

S = female sweat **F** = female NPT **M** = male npt

Notes

All weights and dimensions are subject to minor changes. The Overall length may be calculated by adding dimensions A, D, and F.

*Requires Union Expander

Options Available

AA Automatic Air Vent

AV Manual Air Vent

DX Two Extended P/T Ports

EH Extended Handle

MH Micro Handle (optional on B Body)

MI Metal ID Tag

PI Plastic ID Tag

PL Plug

SE Stem Extender



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