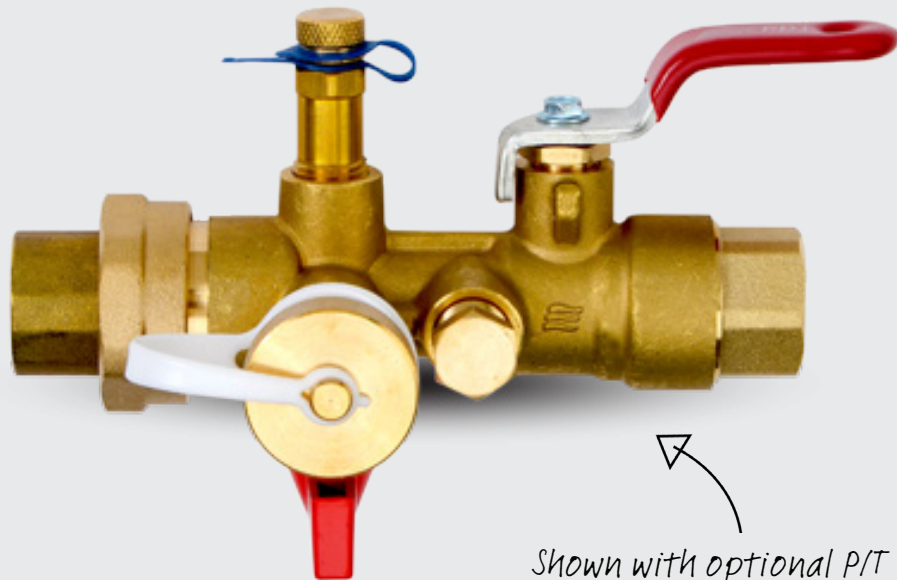


UB



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

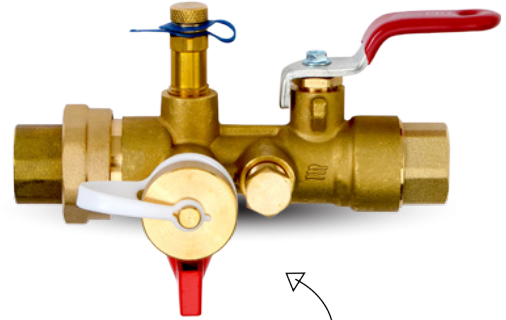
Hook-Up Components

Shut-off valve with union

*Engineering
GREAT Solutions*

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 or 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"

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, M	-	-	-	
		3/4 (20)	S, F, M	1/2 (15)	S, F, M		
		1 (25)	S, F, M	3/4 (20)	S, M		
B	19 (21.97)	1/2 (15)	S, F, M	1/2 (15)	S, F, M		
		3/4 (20)	S, F, M	3/4 (20)	S, M		
		1 (25)	S, F, M	1 (25)	S, F, M		
		1 1/4 (32)	S, F, M	1 1/4 (32)	S, F, M		
C	66 (76.36)	1 1/4 (32)	S, F, M	1 1/4 (32)	S, F, M		
		1 1/2 (40)	S, F, M	1 1/2 (40)	S, F, M		
		2 (50)	S, F, M	2 (50)	S, F, M		

Connection Weights

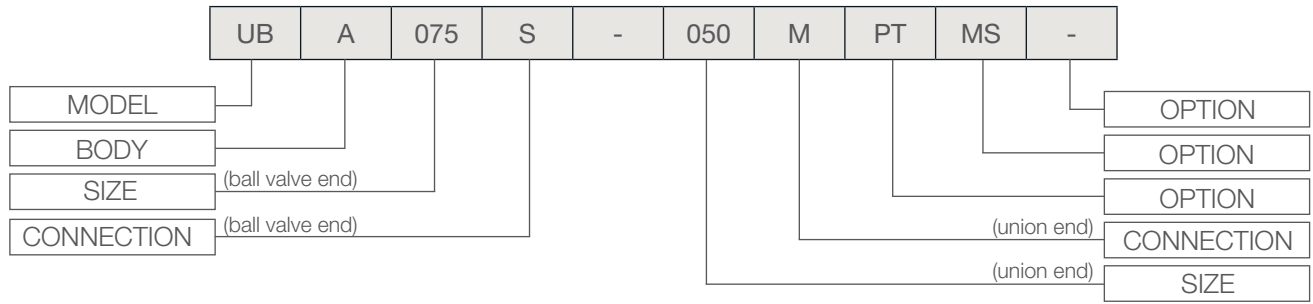
Body	Connection Type	Weight (lbs./kg)			
		1/2 (15mm)	3/4 (20mm)	1 (25mm)	1 1/4 (32mm)
A	S	-	0.1 (.05)	0.1 (.05)	0.2 (.08)
	F	-	0.1 (.06)	0.2 (.08)	0.4 (.16)
	Union S	-	0.4 (.20)	0.4 (.20)	-
	Union F	-	-	0.5 (.21)	-
	Union M	-	0.5 (.24)	0.5 (.20)	-
B		1/2 (15mm)	3/4 (20mm)	1 (25mm)	1 1/4 (32mm)
	S	0.2 (.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)	-
	S	0.7 (.31)	0.6 (.28)	0.7 (.29)	-
	F	0.8 (.34)	0.6 (.29)	0.6 (.29)	-
	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)	-
	Union M	2.8 (1.28)	3.0 (1.37)	2.8 (1.29)	-

S = female sweat

F = female NPT

M = male NPT

Model UB Order Designation



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

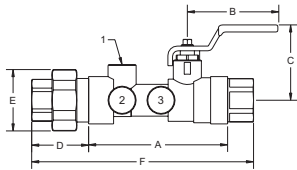
½" - 2" Ball Valves (Model UB)

<p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>U ¾" S</p> <p>U ½" S</p> <p>U ¾" S</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>U ½" F</p> <p>U ¾" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <p>U ½" M</p> <p>U ¾" M</p> </div> </div> </div>	<p>Body A</p>	<p>Connections (Outlet)</p> <p style="text-align: center;">Fixed</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>½" S</p> <p>¾" S</p> <p>1" S</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>½" F</p> <p>¾" F</p> <p>1" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <p>½" M</p> <p>¾" M</p> <p>1" M</p> </div> </div> </div> <p style="font-size: small; text-align: center;">1" inlet connection not available</p>
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<p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>U ½" S</p> <p>U ¾" S</p> <p>U 1" S</p> <p>U 1 ¼" S</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>U ½" F</p> <p>U ¾" F</p> <p>U 1" F</p> <p>U 1 ¼" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <p>U ½" M</p> <p>U ¾" M</p> <p>U 1" M</p> <p>U 1 ¼" M</p> </div> </div> </div>	<p>Body B</p>	<p>Connections (Outlet)</p> <p style="text-align: center;">Fixed</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>½" S</p> <p>¾" S</p> <p>1" S</p> <p>1 ¼" S</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>½" F</p> <p>¾" F</p> <p>1" F</p> <p>1 ¼" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <p>½" M</p> <p>¾" M</p> <p>1" M</p> <p>1 ¼" M</p> </div> </div> </div>
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<p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>U 1 ¼" S</p> <p>U 1 ½" S</p> <p>U 2" S</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>U 1 ¼" F</p> <p>U 1 ½" F</p> <p>U 2" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <p>U 1 ¼" M</p> <p>U 1 ½" M</p> <p>U 2" M</p> </div> </div> </div>	<p>Body C</p>	<p>Connections (Outlet)</p> <p style="text-align: center;">Fixed</p> <div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>1 ¼" S</p> <p>1 ½" S</p> <p>2" S</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <div style="margin-left: 10px;"> <p>1 ¼" F</p> <p>1 ½" F</p> <p>2" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 10px;"> <p>1 ¼" M</p> <p>1 ½" M</p> <p>2" M</p> </div> </div> </div>
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Articles



Body Dimensions

Body Size	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 Size	Connection Type	D			E					
		in./(mm)			in./(mm)					
		—	1/2 (15)	3/4 (20)	1 (25)	—	1/2 (15)	3/4 (20)	1 (25)	
	S	—	0.5 (14)	0.8 (20)	1.2 (29)	—	1.1 (28)	1.2 (29)	1.5 (29)	
	F	—	0.7 (17)	0.8 (20)	1.1 (29)	—	1.1 (28)	1.3 (33)	1.6 (29)	
A	Union S	—	1.5 (37)	1.6 (40)	—	—	1.6 (39)	1.6 (39)	—	
	Union F	—	1.5 (37)	—	—	—	1.6 (39)	—	—	
	Union M	—	2.4 (61)	2.2 (57)	—	—	1.6 (39)	1.6 (39)	—	
			1/2 (15)	3/4 (20)	1 (25)	1 1/4 (32)	1/2 (15)	3/4 (20)	1 (25)	1 1/4 (32)
	S	0.5 (14)	0.8 (19)	1.0 (25)	1.2 (28)	1.3 (34)	1.3 (34)	1.5 (37)	1.8 (51)	
	F	0.7 (18)	0.7 (19)	0.9 (24)	1.1 (32)	1.3 (34)	1.3 (34)	1.6 (41)	2.0 (45)	
B	Union S	1.5 (37)	1.7 (43)	1.7 (42)	1.8 (45)	2.1 (53)	2.1 (53)	2.4 (60)	2.8 (72)	
	Union F	1.5 (39)	1.6 (40)	1.7 (43)	1.7 (43)	2.1 (53)	2.1 (53)	2.4 (60)	2.8 (72)	
	Union M	2.4 (60)	2.2 (56)	2.5 (63)	2.5 (64)	2.1 (53)	2.1 (53)	2.4 (60)	2.8 (72)	
			1 1/4 (32)	1 1/2 (40)	2 (50)		1 1/4 (32)	1 1/2 (40)	2 (50)	
	S		1.2 (29)	1.2 (31)	1.7 (42)		2.4 (62)	2.4 (62)	2.7 (69)	
	F		0.9 (23)	0.9 (23)	1.2 (29)		2.4 (62)	2.4 (62)	2.9 (72)	
C	Union S		2.0 (51)	2.1 (54)	2.4 (61)		3.5 (88)	3.5 (88)	3.8 (97)	
	Union F		1.9 (49)	1.9 (49)	2.0 (50)		3.5 (88)	3.5 (88)	3.8 (97)	
	Union M		3.0 (75)	3.0 (76)	2.8 (72)		3.5 (88)	3.5 (88)	3.8 (97)	

S = female sweat

F = female NPT

M = male NPT

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.

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

