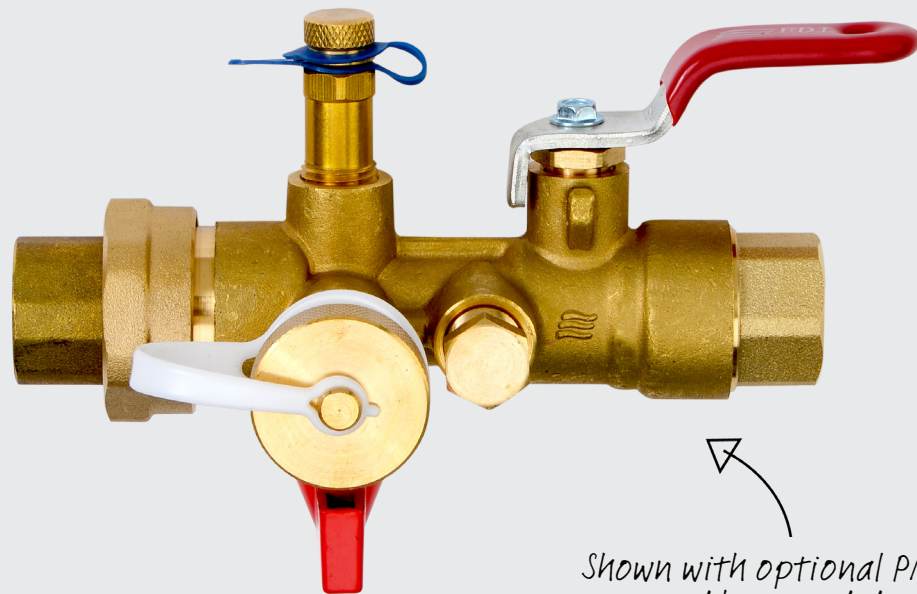


UB SBS



Shown with optional P/T Port
and hose end drain

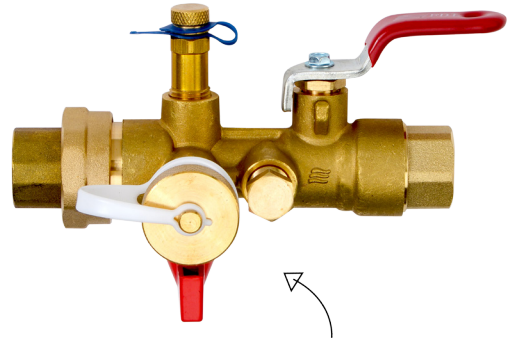
Hook-Up Components

Shut-off valve, union, stainless steel
ball and stem

Engineering
GREAT Solutions

UB SBS

Model UB-SBS is a shut-off valve with large diameter stainless steel ball and PTFE seats. The Stainless Steel 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

> **Stainless Steel Ball and Stem**

Technical description

Application:
Hydronic Balancing

Dimensions:
1/2" - 2"

Material:
Body: DZR Brass
Union (Optional): Brass with EPDM O-ring
Fixed Connection: DZR Brass
Ball and Stem: 316 Stainless Steel

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 | 6 (6.94) | 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

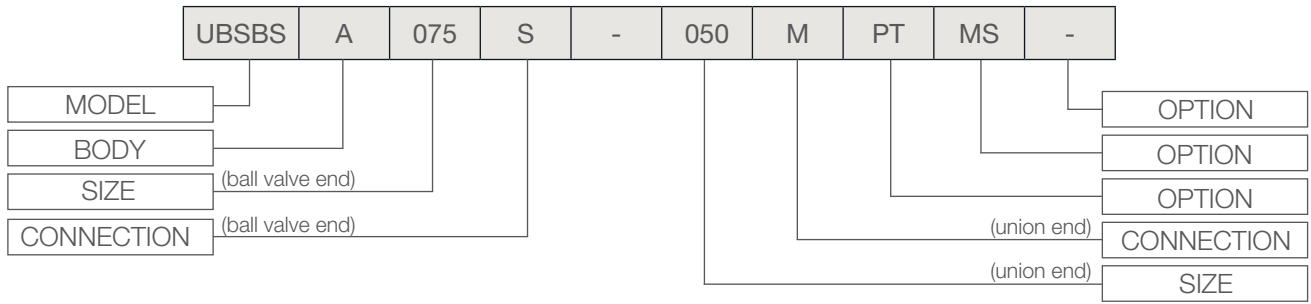
| Body | Connection Type | Weight (lbs./kg) | | | |
|----------|-----------------|---------------------|---------------------|-----------------|---------------------|
| | | 1/2 (15mm) | 3/4 (20mm) | 1 (25mm) | |
| A | S | - | 0.1 (.05) | 0.1 (.05) | 0.2 (.08) |
| | F | - | 0.1 (.06) | 0.2 (.08) | 0.4 (.16) |
| | Union S | - | 0.4 (.20) | 0.4 (.20) | - |
| | Union F | - | - | 0.5 (.21) | - |
| | Union M | - | 0.5 (.24) | 0.5 (.20) | - |
| | | 1/2 (15mm) | 3/4 (20mm) | 1 (25mm) | 1 1/4 (32mm) |
| B | 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) |
| | | 1 1/4 (32mm) | 1 1/2 (40mm) | 2 (50mm) | - |
| C | 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

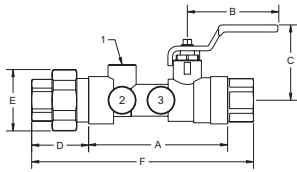
1/2" - 2" Ball Valves (Model UB)

| | | |
|--|----------------------|--|
| <p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 3/8" S</p> <p>U 1/2" S</p> <p>U 3/4" S</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1/2" F</p> <p>U 3/4" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1/2" M</p> <p>U 3/4" 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; gap: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1/2" S</p> <p>3/4" S</p> <p>1" S</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1/2" F</p> <p>3/4" F</p> <p>1" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1/2" M</p> <p>3/4" M</p> <p>1" M</p> </div> </div> </div> <p style="font-size: x-small; text-align: center;">1" inlet connection not available</p> |
|--|----------------------|--|

| | | |
|--|----------------------|---|
| <p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1/2" S</p> <p>U 3/4" S</p> <p>U 1" S</p> <p>U 1 1/4" S</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1/2" F</p> <p>U 3/4" F</p> <p>U 1" F</p> <p>U 1 1/4" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1/2" M</p> <p>U 3/4" M</p> <p>U 1" M</p> <p>U 1 1/4" 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; gap: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1/2" S</p> <p>3/4" S</p> <p>1" S</p> <p>1 1/4" S</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1/2" F</p> <p>3/4" F</p> <p>1" F</p> <p>1 1/4" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1/2" M</p> <p>3/4" M</p> <p>1" M</p> <p>1 1/4" M</p> </div> </div> </div> |
|--|----------------------|---|

| | | |
|--|----------------------|---|
| <p>Connections (Inlet)</p> <p style="text-align: center;">Union</p> <div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1 1/4" S</p> <p>U 1 1/2" S</p> <p>U 2" S</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1 1/4" F</p> <p>U 1 1/2" F</p> <p>U 2" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>U 1 1/4" M</p> <p>U 1 1/2" 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; gap: 10px;"> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1 1/4" S</p> <p>1 1/2" S</p> <p>2" S</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1 1/4" F</p> <p>1 1/2" F</p> <p>2" F</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="margin-left: 5px;"> <p>1 1/4" M</p> <p>1 1/2" M</p> <p>2" M</p> </div> </div> </div> |
|--|----------------------|---|

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) | | |
| A | 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) |
| | 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) | — |
| B | | 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) |
| | 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) |
| C | | 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) |
| | 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

PP ProPress®

SE Stem Extender

