

^{* 3/8&}quot; Coil Size available in SWT ONLY.

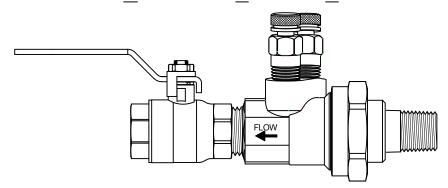
PRODUCT DESCRIPTION: The Manual Balancing Valve Kit is a packaged and partially preassembled grouping of components required to complete installation of a terminal unit. Temperature control valves, piping, and coils are supplied "by others". Mounting and testing of the customer supplied TCV is available at an additional charge.

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|----------|-----|--------------|-----------------|------|
| QUANTITY | GPM | TAGG | ING INFORMATION | |
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| JOB NAME | | REPRESENTA | TIVE | |
| ENGINEER | | REF/PO# | | DATE |
| CONTRACT | OR | SUBMITTED BY | Y | DATE |

^{**} ProPress fittings supplied for additional fee.



CBV Series Specifications Combination Ball Valve/Venturi



PRODUCT DESCRIPTION: The CBV flow balancing brass venturi provides highly accurate flow measurement capabilities. The efficient low loss venturi design provides effective flow balancing with minimal system pressure loss. The CBV includes a brass ball valve with memory stop, and a venturi with an integral union. The CBV comes standard with two pressure/temperature ports for instrument readings. The union side incorporates an o-ring for maximum sealing protection. The union connection options include FNPT, MNPT, SWT, and a variety of reductions.

NOTE: If the same size male, female, sweat, or a reducing male tail piece is used, no extra pipe diameter is required.

| REC | OMMENDE | D FLOW R | ANGES (GI | PM) | STAN | DARD MATERIAL SPECIFICATIONS |
|----------|---------|----------|-----------|--------|---------------------------|--|
| Model | Size | Minimum | @ 100" | @ 200" | Venturi | Cast Brass ASTM B763-08A |
| CBV050L | 1/2" | 0.3 | 1.2 | 1.8 | Ball Valve | Forged Brass ASTM B283-06 |
| CBV050H | 1/2" | 0.8 | 2.9 | 4.2 | O-ring Tail Piece | EPDM Brass ASTM B124-09, B228-06, or B763-08A |
| CBV075UL | 3/4" | 0.3 | 1.2 | 1.8 | Union Nut | Brass ASTM B455 |
| CBV075L | 3/4" | 0.8 | 2.9 | 4.2 | PT Seal Handle | EPDM Dual Durometer Core Chrome Plated Steel |
| CBV075H | 3/4" | 1.8 | 6.1 | 8.9 | Memory Stop | 302 Stainless Steel |
| CBV100 | 1" | 2.8 | 9.8 | 14.3 | Stem Ball | Brass ASTM B124-09 - Blow-Out Proof Chrome Plated Brass |
| CBV125 | 11⁄4" | 4.8 | 16.4 | 24.0 | Ball Seat | Teflon |
| CBV150 | 1½" | 7.5 | 24.4 | 35.5 | Packing Nut Packing Gland | Brass ASTM B124-09, B228-06, or B763-08A Teflon |
| CBV200 | 2" | 12.0 | 40.8 | 69.3 | T doking Oland | 1611011 |

STANDARD OPERATING SPECIFICATIONS

Maximum Working Pressure: 600 WOG / CWP Maximum Operating Temperature: -22° F to 325° F

Specification information is provided to assist and is given without obligation or warranty. The Company reserves the right to make changes in design, materials, and/or specifications without notice or liability.

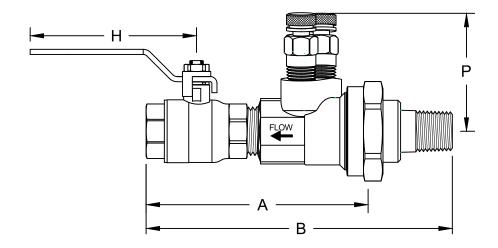
PRODUCT SPECIFICATIONS:

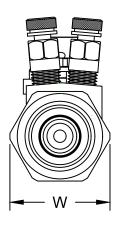
- Devices shall have a 15° regain chamber for optimal pressure regain and minimal permanent pressure drop
- Venturi tube shall be independent of the throttling valve
- Venturi tube shall include proper pipe diameters for optimal accuracy
- Valve shall be designed with memory stop to limit flow once balanced
- The Model CBV shall have an accuracy rating of:
 - •• ±1% between 10" W.C. and 70" W.C.
 - •• ±3% between 5" W.C. and 150" W.C.
 - •• ±5% less than 5" W.C. and over 150" W.C.



CBV Series Dimensions

Combination Ball Valve/Venturi





| | 0. | / | 4 | | | 107 | |
|-----------|------|-----|-----|-----|-----|-----|-------|
| Model | Size | FPT | SWT | Н | Р | W | Cv ** |
| CBV050L | 1/2 | 4.5 | 4.8 | 3.7 | 2.1 | 1.6 | 1.1 |
| CBV050H | 1/2 | 4.5 | 4.8 | 3.7 | 2.1 | 1.6 | 3.8 |
| CBV075UL* | 3/4 | 4.7 | 5.2 | 3.8 | 2.1 | 1.6 | 1.1 |
| CBV075L | 3/4 | 4.7 | 5.2 | 3.8 | 2.1 | 1.8 | 2.3 |
| CBV075H | 3/4 | 4.7 | 5.2 | 3.8 | 2.1 | 1.8 | 8.0 |
| CBV100 | 1 | 5.1 | 5.7 | 5.0 | 2.2 | 2.1 | 13.4 |
| CBV125 | 1¼ | 5.8 | 6.5 | 5.0 | 2.4 | 2.8 | 25 |
| CBV150 | 1½ | 7.0 | 8.0 | 6.3 | 2.7 | 3.1 | 31 |
| CBV200 | 2 | 7.6 | 8.7 | 6.2 | 3.0 | 3.8 | 87 |

Note: Dimensions listed do not include ProPress or any other special fittings or adapters. All dimensions, weights, and materials are subject to minor variations. Consult with factory for confirmation of dimensions, weights, and material specifications.

^{**} Cv = Estimated with Union connection same as inlet, no reductions.

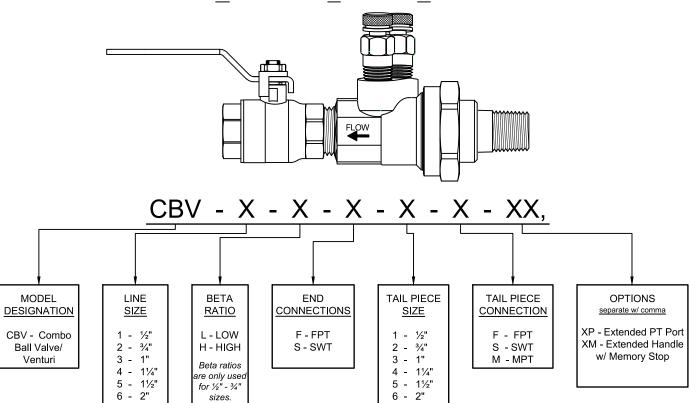
| 1/2" SWT | Size | Tail Piece | В | Weight | Size | Tail Piece | В | Weight |
|--|-------------------|------------|------|--------|------------------|------------|------|--------|
| - S 5.5 1.3 - S 5.1 1.3 - M 6.7 1.8 - S 6.0 1.7 - M 6.8 1.8 - S 6.0 1.7 - M 6.8 1.8 - S 6.0 1.7 - M 6.8 1.8 - S 6.0 1.7 - S 6.7 2.5 - S 6.0 2.5 - S 6.0 - S 7.0 3.7 - S 7.0 3.7 - S 7.0 3.7 - S 7.0 3.7 | | - M | 6.2 | 1.4 | | | 6.0 | 1.4 |
| 1/4" SWT | ½" SWT | ½" - F | | 1.3 | ½" FPT | ½" - F | 5.1 | 1.3 |
| 3/4" SWT 1/2" - F 6.3 1.8 - S 6.0 1.7 - S 5.5 1.7 - M 6.8 1.8 3/4" - F 6.0 1.7 - M 6.5 1.8 3/4" - F 6.0 1.7 - M 6.5 1.8 3/4" - F 5.5 1.7 1" SWT 1" - M 7.7 2.7 7 1" - F 5.5 1.7 1" SWT - M 7.7 2.7 7 1" - M 7.1 2.7 1" - F 6.7 2.5 - S 6.0 2.5 - S 6.0 2.5 1" - F 6.7 2.5 - S 6.0 2.5 - S 6.0 2.5 1" - M 8.3 4.0 1" - F 6.0 2.5 3.9 3/4" - M 7.5 3.9 3/4" - M 7.7 4.0 1/4" - F 6.7 3.8 - S 7.0 3.7 3/4" - M 7.7 4.1 1/4" - F 6.7 3.8 | | - S | 5.5 | 1.3 | | - S | 5.1 | 1.3 |
| **SWT | | - M | | | | - M | 6.5 | 1.8 |
| 3/4" SWT - M 6.8 1.8 3/4" FPT - M 6.5 1.8 3/4" - F 6.0 1.7 - S 6.0 1.7 - S 5.5 1.8 4/4" - F 6.0 1.7 - S 5.5 1.8 3/4" - F 5.5 1.8 1" SWT 1/2" - M 7.7 2.7 1" FPT 1" FPT 1" - M 7.1 2.7 1" - F 6.7 2.5 - S 6.0 2.5 - S 6.0 2.5 - S 6.7 2.5 - S 6.0 2.5 - S 6.0 2.5 - S 6.7 2.5 - S 6.0 2.5 - S 6.0 2.5 - S 6.7 2.5 - S 6.0 2.5 - S 6.0 2.5 - S 6.7 3.8 4.0 1/4" - F 7.5 3.9 3/4" - M 7.7 4.1 - W - F 7.5 3.9 - S 7.5 3.7 - S 7.0 3.7 1/2" SWT 1/2" - M | | | | | | | | |
| 1" SWT 1" SWT 1" | 3/." C\A/T | - S | | | 3/." EDT | - S | 5.5 | 1.7 |
| - S 6.0 1.7 - S 5.5 1.7 Y2" - M 7.7 2.7 Y2" - M 7.1 2.7 Y2" - M 7.1 2.7 Y4" - M 7.0 2.5 S 6.0 2.5 S 7.5 3.9 S 7.5 3.7 S 7.5 3.7 S 7.0 3.7 S | /4 SVVI | | | | /4 FFT | | | |
| 1" SWT 1" SWT 1" - M | | | | | | | | |
| 1" SWT 34" - M | | - S | | | | - S | | 1.7 |
| 1" SWT | | ½" - M | 7.7 | 2.7 | | ½" - M | 7.1 | 2.7 |
| 1" - F | | | | | 1" FPT | | 7.1 | |
| - S 6.7 2.5 - S 6.0 2.5 1/4" SWT | 1" SWT | | | | | | | |
| 1¼" SWT ½" - M 8.1 3.9 1¼" SWT 1" - M 8.3 4.0 1" - M 8.5 4.2 1¼" - F 7.5 3.9 - S 7.5 3.8 - S 7.0 3.7 3" - M 9.7 5.6 1" - M 10.7 6.1 1½" - M 10.7 6.2 - M 10.5 6.0 1½" - F 9.1 5.6 - S 9.1 5.6 1½" - F 8.2 5.6 1½" - M 10.5 8.6 1½" - M 10.5 8.8 2" - F 8.7 8.1 | | | | | | | | |
| 1¼" SWT 3¼" - M 8.3 4.0 1¼" - M 8.3 4.1 - M 8.5 4.2 1¼" - F 7.5 3.9 - S 7.5 3.7 3¼" - M 9.7 5.6 1" - M 10.7 6.1 1½" - M 10.7 6.2 - M 10.5 6.0 1½" - F 9.1 5.6 1½" - F 8.2 5.6 1½" - F 9.1 5.6 1½" - F 8.2 5.6 1½" - F 8.2 5.6 1½" - M 10.5 8.9 1½" - M 10.5 8.6 1½" - M 10.5 8.6 1½" - M 10.5 8.6 1½" - M 10.5 8.8 2" - F 8.7 8.1 | | | | | | | | |
| 11/4" SWT | | | | | - - 1¼" FPT - | | | |
| 11/4" SWT | | | | 4.0 | | | | 4.0 |
| - M | 11/4" SWT | 1" - M | 8.3 | 4.1 | | 1" - M | 7.7 | 4.1 |
| - S 7.5 3.7 - S 7.0 3.7 1½" SWT - M 9.7 5.6 1" - M 10.7 6.1 1½" - F 9.1 5.6 - S 9.1 5.6 - S 9.1 5.6 1½" - F 8.2 5.6 1½" - M 11.7 8.9 1½" - M 11.7 8.9 1½" - M 11.7 8.9 1½" - M 11.7 9.0 2" - F 9.8 8.3 2" - F 8.7 8.1 | '/" " | | | | | | | |
| 1½" SWT 34" - M 9.7 5.6 1" - M 10.7 6.1 1¼" - M 10.7 6.2 - M 10.5 6.0 1½" - F 9.1 5.8 - S 9.1 5.6 1" - M 11.7 9.3 1½" - F 8.2 5.7 - S 8.2 5.6 1" - M 11.7 9.3 1½" - M 11.5 8.9 1½" - M 10.5 8.6 1½" - M 10.5 8.6 1½" - M 10.5 8.6 1½" - M 10.5 8.7 - M 10.5 8.8 2" - F 9.8 8.3 | | | | | | | | |
| 1" - M 10.7 6.1 1¼" - M 10.7 6.2 - M 10.5 6.0 1½" - F 9.1 5.8 - S 9.1 5.6 1" - M 9.5 6.0 1½" - F 8.2 5.7 - S 8.2 5.6 1" - M 11.7 9.3 1¼" - M 11.7 8.9 1½" - M 10.5 8.6 1½" - M 10.5 8.6 | | | | 3.7 | | - S | 7.0 | |
| 1½" SWT 1½" - M | | 3/4" - M | 9.7 | 5.6 | | | 9.3 | 5.7 |
| 1½" SWT | | 1" - M | 10.7 | 6.1 | | 1" - M | 9.5 | 6.0 |
| 2" SWT 10.5 6.0 11/2" - F 9.1 5.8 11/2" - F 8.2 5.6 5.6 11/2" - F 8.2 5.6 5.6 11/2" - M 10.5 9.1 11/4" - M 10.5 8.6 11/2" - M 11.7 8.9 11/2" - M 11.7 8.9 2" FPT 2" FPT 2" FPT 2" FPT 3.7 8.8 2" - F 8.7 8.1 8.8 2" - F 8.7 8.1 8.1 8.0 2" - F 8.7 8.0 2" - F 8.2 5.6 2.0 | 11/2" SVA/T | 1¼" - M | 10.7 | 6.2 | 11/2" EDT | 1¼" - M | 9.5 | 6.1 |
| 2" SWT - S | 172 0001 | | | 6.0 | 1/2 11 1 | | 9.5 | 6.0 |
| 2" SWT 1" - M | | | | | | | | |
| 2" SWT 1¼" - M | | - S | 9.1 | 5.6 | | | 8.2 | 5.6 |
| 2" SWT | | | 11.7 | | | | 10.5 | 9.1 |
| - M 11.7 9.0 2" - F 9.8 8.3 2" - F 8.7 8.1 | | | | | | | 10.5 | 8.6 |
| - M 11.7 9.0 - M 10.5 8.8 2" - F 8.7 8.1 | _{2" SWT} | 1½" - M | 11.7 | 8.9 | 2" FPT | 1½" - M | 10.5 | 8.7 |
| | - 5 | | 11.7 | | | | 10.5 | 8.8 |
| - S 10.1 8.0 - S 9.0 7.8 | | | 9.8 | 8.3 | | | 8.7 | 8.1 |
| | | - S | 10.1 | 8.0 | | - S | 9.0 | 7.8 |

Note: Sweat size listed is nominal and will differ from the actual, measurable size. Not all available tailpiece connections are listed, please consult with factory for additional information.

^{*} CBV075UL Tailpiece size is 1/2"



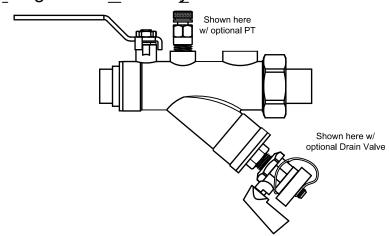
CBV Series Submittal Combination Ball Valve/Venturi



| JOB NAME: ENGINEER: CONTRACTOR: | REPRESENTATIVE: REF/PO#: SUBMITTED BY: | DATE: DATE: | |
|---------------------------------|--|----------------|----------|
| PART # (See table above) | TAGGING/JOB INFORMATION | GPM | QUANTITY |
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IVY Series Specifications Integral Ball Valve/Wye Strainer/Union



PRODUCT DESCRIPTION: The IVY is an integral ball valve, wye-strainer and union. The IVY uses a full-port ball valve for positive shut-off and offers two (2) predrilled ¼" taps for accessories to be installed. A ¼" standard port and by-pass tap are provided at the forward 12:00 position. The bypass port comes tapped and plugged for 2-way control valve configurations. The bypass port remains open on 3-way control valve configurations to install a bypass valve. (See IVY Series Dimensions page for bypass valve sizes.) An additional side port is available for factory drilling and tapping a ¼" port. The strainer has a 20-mesh stainless steel screen to aid in debris removal. The strainer cap has a ¼" tap for a hose-end drain valve. The ball valve has a PTFE packing gland, brass packing nut, and blow-out proof double o-ring stem seal. The fixed end connections may be FNPT or SWT. The union side connections Include MNPT, FNPT, SWT, and a variety of reductions.

| | STANDARD MATERIAL SPECIFICATIONS | PORT LOCATIONS |
|---|---|--|
| Body O-Ring Tail Piece Union Nut PT Seal Handle Stem Ball Ball Seat Packing Gland Packing Nut | Forged Brass ASTM B283-06, or cast Brass ASTM B763-08A EPDM Brass ASTM B124-09, B228-06, or B763-08a Brass ASTM B455 EPDM Dual Durometer Core Chrome Plated Steel Brass ASTM B124-09 - Blow-Out Proof Crome Plated Brass - Full Port Teflon Teflon Brass ASTM B124-09, B228-06, or B763-08a | Side Port (Optional) Standard By-pass (Optional) |
| S | STANDARD OPERATING SPECIFICATIONS | \ <u>//k</u> |
| | num Working Pressure: 600 WOG / CWP num Operating Temperature: -22° F to 325° F | Drain |

Specification information is provided to assist and is given without obligation or warranty. The Company reserves the right to make changes in design, materials, and/or specifications without notice or liability.

PRODUCT SPECIFICATIONS:

- Device shall have a full port isolation valve
- Device shall have a 20 mesh accessible strainer sleeve(0standard) or a 40 mesh accessible strainer sleeve (optional)

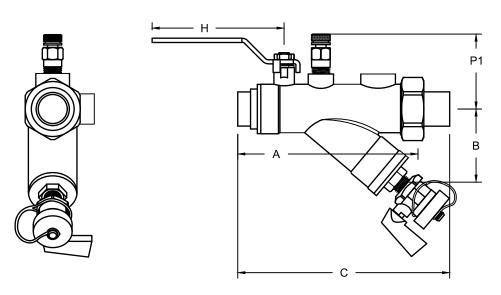
Form Number: SUBIVY-PRO 1

Revision 9 - 1/2022

- Device shall have a blow down for debris removal
- Device shall have a functional by-pass
- The strainer screen shall have a minimum 8:1 ratio of total area against the internal pipe diameter



IVY Series Dimensions Integral Ball Valve/Wye Strainer/Union



| Model | Size | Bypass Size | А | В | Н | P1 | * R | ** Cv |
|----------|--------|----------------|-----|-----|-----|-----|--------|-------|
| IVY1-SWT | 1/2 | 1/2 | 4.4 | 2.3 | 4.1 | 2.0 | 11:1 | 8 |
| IVY2-SWT | 3/4 | 1/2 | 5.4 | 2.2 | 3.8 | 2.1 | 8:1 | 9 |
| IVY3-SWT | 1 | 1/2 | 6.1 | 2.7 | 3.9 | 2.3 | 11 : 1 | 20 |
| IVY4-SWT | 1 1/4" | 3/4" | 7.0 | 3.2 | 3.8 | 2.7 | 9:1 | 23 |
| IVY5-SWT | 1½" | 3/4" | 8.6 | 3.2 | 6.3 | 3.0 | 13 : 1 | 44 |
| IVY6-SWT | 2 | 1" | 9.2 | 3.5 | 6.5 | 3.1 | 9:1 | 46 |
| IVY1-FPT | 1/2 | 1/2 | 4.2 | 2.3 | 4.1 | 2.0 | 11:1 | 7 |
| IVY2-FPT | 3/4 | 1/2 | 4.9 | 2,2 | 3.8 | 2.1 | 8:1 | 8 |
| IVY3-FPT | 1 | 1/2 | 5.4 | 2.7 | 3.9 | 2.3 | 11 : 1 | 19 |
| IVY4-FPT | 1 1/4" | 3/4" | 6.3 | 3.2 | 3.8 | 2.7 | 9:1 | 21 |
| IVY5-FPT | 1½" | 3/4" | 7.5 | 3.2 | 6.3 | 3.0 | 13 : 1 | 45 |
| IVY6-FPT | 2" | 1" | 8.1 | 3.5 | 6.5 | 3.1 | 9:1 | 47 |

Note: Dimensions above do not include ProPress or any other special fittings or adapters. All dimensions, weights, and materials are subject to minor variations. Consult with factory for confirmation of dimensions, weights, and material specifications.

^{**} Cv = Estimated with Union Connection same as inlet, no reductions.

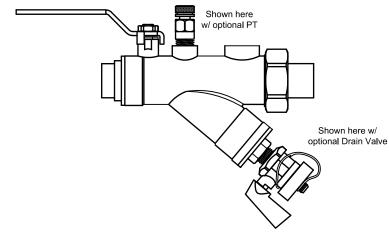
| ½" SWT | ½" ½" | _ F S | 6.0 5.1 5.1 7.0 | 1.8 1.8 1.8 | ½" FPT | 1/2" | - M - F | 6.5 | 1.8 |
|-------------|----------|-------------------|--------------------------|-------------------|------------|--------|------------|------|-----|
| | 1/2" | - S - M - F | 5.1 7.0 | 1.8 | 1⁄2" FPT | 1/2" | | | |
| 3/," SW/T | | - M - F | 7.0 | | | | | 4.8 | 1.8 |
| 3/" SWT | | - F | | 2.2 | | | - S | 4.8 | 1.8 |
| ³⁄," SW/T | | | | 2.2 | | | - M | 6.5 | 2.5 |
| 3/" SW/T | | -s l | 6.3 | 2.3 | | 1/2" | - F | 6.0 | 2.5 |
| | |) | 6.1 | 2.2 | 3/4" FPT | | - S | 5.7 | 2.1 |
| /4 OW1 [| | - M | 7.0 | 2.3 | /4 11 1 | | - M | 6.5 | 2.3 |
| i I | 3/4" | - F | 6.1 | 2.2 | | 3/4" | - F | 5.7 | 2.2 |
| | | - S | 6.2 | 2.2 | | | - S | 5.7 | 2.2 |
| L | 1/2" | - M | 8.1 | 3.2 | | 1/2" | - M | 7.2 | 3.2 |
| Г | 3/4" | - M | 8.1 | 3.7 | | 3/4" | - M | 7.2 | 3.2 |
| 1" SWT | /4 | - S | 7.0 | 3.4 | 1" FPT | /4 | - S | 6.1 | 3.0 |
| | | - M | 8.1 | 3.5 | | | - M | 7.2 | 3.3 |
| 1 | 1" | - F | 7.1 | 3.1 | | 1" | - F | 6.2 | 3.1 |
| | | - S | 7.1 | 3.0 | | | - S | 6.2 | 3.1 |
| i L | 3/4" | - M | 9.0 | 5.0 | | 3/4" | - M | 8.2 | 5.0 |
| 1 | 1" | - M | 9.0 | 5.0 | 1 1⁄4" FPT | 1" | - M | 8.2 | 5.1 |
| 1 1/4" SWT | | - S | 8.2 | 4.6 | | | - S | 7.7 | 4.7 |
| 1 74 0 11 1 | 1 ½" | - M | 9.0 | 5.1 | 174 11 1 | | - M | 8.2 | 5.1 |
| | | - F | 8.0 | 4.8 | | 1 1/4" | - F | 7.3 | 4.8 |
| | | - S | 8.1 | 4.7 | | | - S | 7.5 | 4.7 |
| i L | 1" | - M | 11.0 | 7.6 | | 1" | - M | 10.1 | 7.4 |
| i [, | 1 1/4" | - M | 11.0 | 7.7 | | 1 1/4" | - M | 10.0 | 7.6 |
| 1 ½" SWT | 1 74 | - S | 10.0 | 7.1 | 1½" FPT | 1 74 | - S | 9.0 | 7.0 |
| | | - M | 11.0 | 7.6 | 172 11 1 | | - M | 10.1 | 7.4 |
| | 1 ½" | - F | 9.8 | 7.3 | | 1 ½" | - F | 9.0 | 7.2 |
| | | - S | 9.7 | 7.1 | | | - S | 8.8 | 7.0 |
| | 1 1/4" | - M | 12.2 | 10.0 | | 1 1/4" | - M | 11.1 | 9.7 |
| 2" SWT | 1 ½" | - M | 12.2 | 8.6 | | 4 1/11 | - M | 11.1 | 9.7 |
| | | - S | 11.0 | 9.0 | 2" FPT | 1 ½" | - S | 9.7 | 8.8 |
| ı - 5 [| 2" | - M | 12.2 | 10.0 | | | - M | 11.1 | 9.8 |
| 1 | | - F | 10.5 | 9.4 | | 2" | - F | 9.2 | 9.1 |
| | | - S | 10.7 | 9.0 | | | - S | 9.5 | 8.8 |

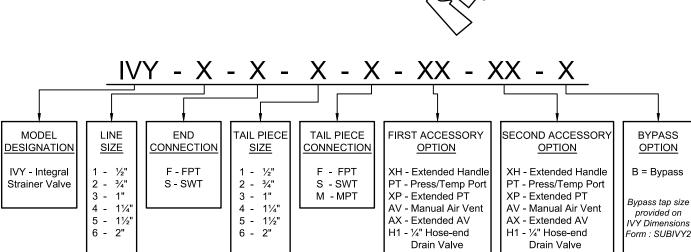
Note: Sweat size listed is nominal and will differ from the actual, measurable size.

^{*} R = Ratio of screen surface area to cross-sectional pipe diameter



IVY Series Submittal Integral Ball Valve/Wye Strainer/Union

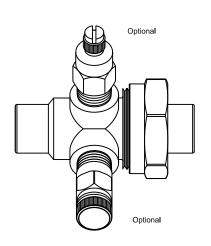


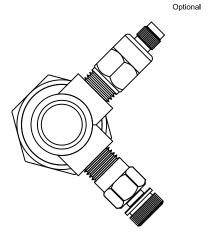


| JOB NAME: | CUSTOMER: | | |
|--------------------------|-------------------------|-------|----------|
| ENGINEER: | REF/PO#: | DATE: | |
| CONTRACTOR: | SUBMITTED BY: | DATE: | |
| PART # (See table above) | TAGGING/JOB INFORMATION | | QUANTITY |
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AU Series Specifications Accessory Union





Optional

Product Description: The AU brass accessory union provides for component isolation. Port section contains two $\frac{1}{2}$ " ports that come predrilled from the factory and are positioned 90° apart. The union side incorporates an o-ring for maximum sealing protection. Accessory union comes standard with $\frac{1}{2}$ " plugs installed in the ports. Union side and port side connections available in NPTM, NPTF, and SWT. Rated at 600 WOG @ -22°F to 325°F.

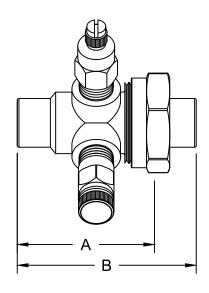
| STANDARD MATERIAL SPECIFICATIONS | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Accessory Union O-Ring Tail Piece Forged Brass ASTM B283-06 EPDM Brass ASTM B124-09, B228-06, or B763-08A | | | | | | | | |
| Specification information is provided to assist and is given without obligation or warranty. The Company reserves the right to make changes in design, materials, and/or specifications without notice or liability. | | | | | | | | |

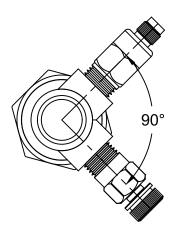
PRODUCT SPECIFICATIONS:

- 1/4" ports shall be located 90° distal on a rotational axis
- Integrated ports shall provide functionality for numerous options



AU Series Dimensions Accessory Union



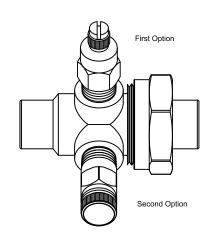


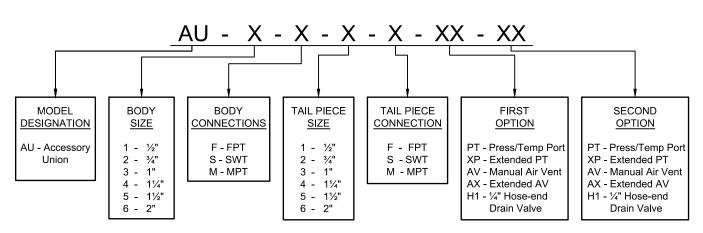
| MODEL | SIZE | Α | | | LENGT | H "B" / W | /EIGHT O | F <i>PRO-</i> A | U AND TA | AIL PIECI | E CONNE | CTION | | |
|----------------------|------|-------------------|-----------------------------|--------------------------|-----------------------------|--------------------------|------------------------------|--------------------------|-----------------------------|--------------------------|------------------------------|--------------------------|-----------------------------|-------------------|
| AU1M AU1S AU1F | 1/2" | 2.7 2.1 2.0 | ½" M 4.2 3.7 3.6 | 0.6 0.5 0.6 | ½" S 3.3 2.8 2.7 | 0.6 0.4 0.5 | ½" F 3.3 2.8 2.7 | 0.6 0.5 0.5 | | | | | | |
| AU2M AU2S AU2F | 3/4" | 2.5 2.1 2.1 | ½" M 4.0 3.7 3.6 | 0.7 0.6 0.7 | ½" S 3.2 2.9 2.8 | 0.6 0.5 0.6 | ½" F 3.6 3.3 3.2 | 0.8 0.6 0.8 | 3/4" M 4.2 3.8 3.8 | 0.7 0.6 0.7 | 3/4" S 3.2 2.9 2.8 | 0.6 0.5 0.6 | 3/4" F 3.3 2.9 2.9 | 0.7 0.6 0.7 |
| AU3M AU3S AU3F | 1" | 2.6 2.4 2.1 | ½" M 4.6 4.5 4.1 | 1.1 1.0 1.0 | 3/4" M 4.6 4.5 4.1 | 1.1 1.0 1.1 | 3/4" S 3.4 3.3 3.0 | 0.9 0.7 0.8 | 1" M 4.6 4.5 4.1 | 1.2 1.0 1.1 | 1" S 3.6 3.5 3.3 | 0.9 0.8 0.9 | 1" F 3.5 3.4 3.1 | 1.0 0.8 0.9 |
| AU4M AU4S AU4F | 1¼" | 3.0 3.0 2.3 | ½" M 4.7 4.7 4.1 | 1.7 1.5 1.6 | 3/4" M 5.0 4.9 4.3 | 1.8 1.7 1.8 | 1" M 5.0 4.9 4.3 | 1.9 1.7 1.8 | 1¼" M 5.0 5.0 4.4 | 1.9 1.8 1.9 | 11/4" S 4.1 4.1 3.4 | 1.5 1.4 1.5 | 1¼" F 4.0 4.0 3.3 | 1.6 1.5 1.6 |
| AU5M AU5S AU5F | 1½" | 3.0 3.0 2.7 | 3/4" M 4.9 4.9 4.6 | lbs 2.3 2.2 2.3 | 1" M 5.5 5.5 5.1 | lbs 2.6 2.6 2.7 | 11/4" M 5.5 5.5 5.1 | lbs 2.7 2.6 2.7 | 1½" M 5.5 5.5 5.1 | 2.5 2.5 2.6 | 1½" S 4.2 4.2 3.9 | lbs 2.1 2.0 2.2 | 1½" F 4.3 4.2 3.9 | 2.3 2.2 2.3 |
| AU6M AU6S AU6F | 2" | 3.4 2.8 2.8 | 1" M 6.2 5.8 5.8 | lbs 4.3 4.0 4.5 | 1¼" M 6.2 5.8 5.7 | lbs 4.0 3.6 4.2 | 1½" M 6.2 5.8 5.7 | 4.0 3.6 4.1 | 2" M 6.2 5.8 5.8 | 1bs 4.1 3.7 4.2 | 2" S 4.8 4.2 4.2 | 3.1 2.7 3.2 | 2" F 4.6 4.0 3.9 | 3.4 3.0 3.5 |

Note: Dimensions listed above do not include ProPress or any other special fittings or adapters. All dimensions, weights, and materials are subject to minor variations. Consult with factory for confirmation of dimensions, weights, and material specifications. Sweat size listed is nominal and will differ from the actual, measurable size.



AU Series Submittal Accessory Union





| JOB NAME: | REPRESENTATIVE: | | |
|--------------------------|-------------------------|-------|----------|
| ENGINEER: | REF/PO#: | DATE: | |
| CONTRACTOR: | SUBMITTED BY: | DATE: | |
| PART # (See table above) | TAGGING/JOB INFORMATION | | QUANTITY |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |