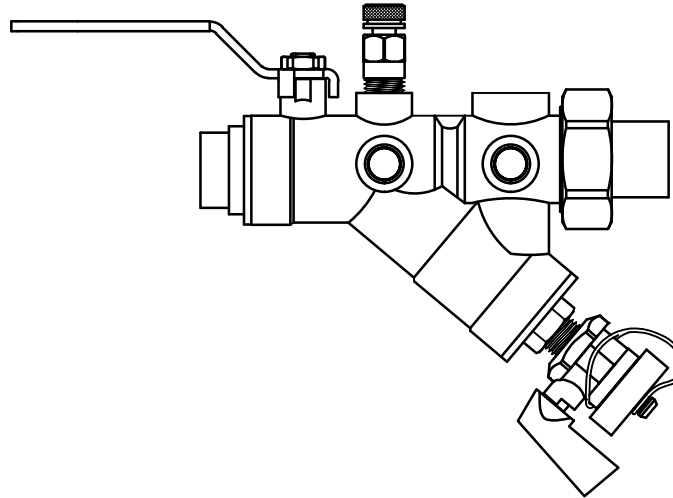


PRO *Hydronic* *Specialties*

IVY Series Specifications Integral Ball Valve/Wye Strainer/Union



PRODUCT DESCRIPTION: The IVY is an integral ball valve, wye-strainer and union rated at 600 WOG / CWP. The IVY uses a full-port ball valve for positive shut-off and offers a total of five (5) ¼" taps for accessories to be installed. A by-pass tap is provided at the forward 12:00 position for ½" through 2" (see table for by-pass sizes). The strainer has a 20-mesh stainless steel screen to aid in debris removal, and the strainer cap has a ¼" tap for a hose-end drain valve. All taps are plugged unless options are specified. The fixed end connections may be FNPT or SWT. The union side connections available include MNPT, FNPT, SWT, and a variety of reductions.

STANDARD MATERIAL SPECIFICATIONS

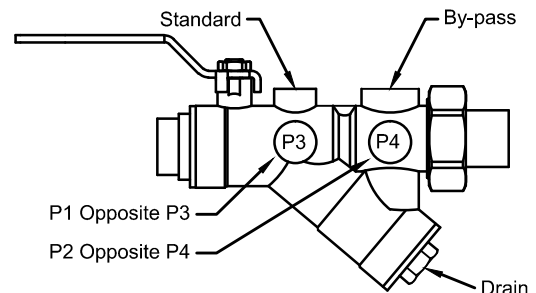
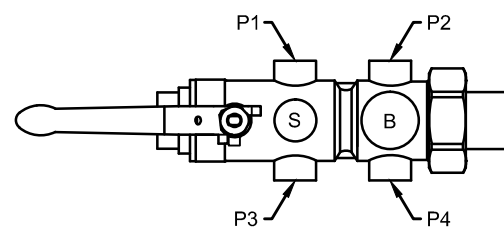
Body	Forged Brass ASTM B283-06
O-Ring	EPDM
Tail Piece	Brass ASTM B124-09, B228-06, or B763-08a
PT Seal	EPDM Dual Durometer Core
Handle	Chrome Plated Steel
Stem	Brass ASTM B124-09 - Explosion Proof
Ball	Chrome Plated Brass - Full Port
Ball Seat	Teflon

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:

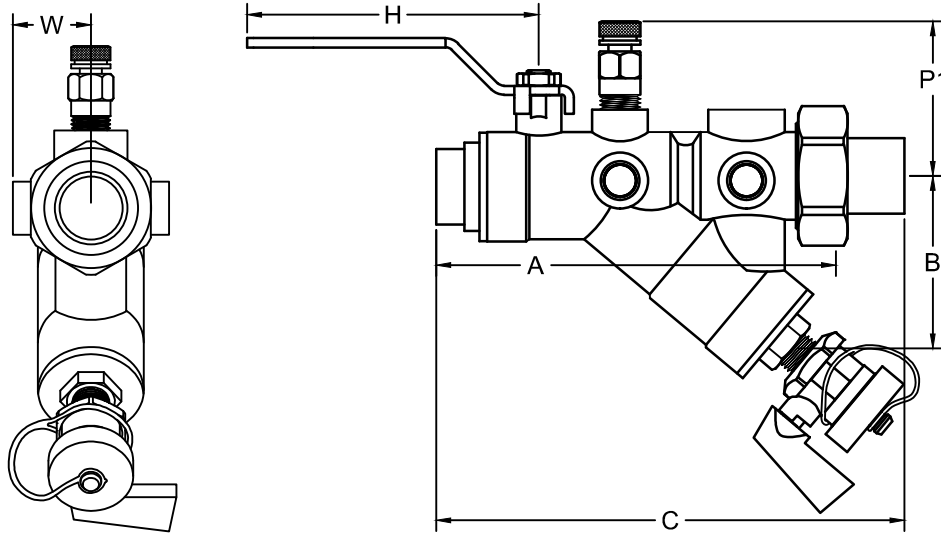
- Device shall have a full port isolation valve
- Device shall have a 20 mesh accessible strainer sleeve
- Device shall have a blow down for debris removal
- Device shall have a functional by-pass
- The strainer screen shall have a minimum 8:1 ratio of total area against the internal pipe diameter

PORT LOCATIONS





IVY Series Dimensions Integral Ball Valve/Wye Strainer/Union



Model	Size	By-Pass	A	B	H	P1	W	* R	** Cv
IVY1-SWT	½"	½"	5.2	2	3.5	2.1	1.0	11 : 1	8
IVY2-SWT	¾"	½"	5.6	2.3	3.5	2.2	1.1	8 : 1	9
IVY3-SWT	1"	½"	7.4	3.1	4.1	2.3	1.3	14 : 1	20
IVY4-SWT	1¼"	¾"	7.7	3.3	4.6	2.6	1.5	11 : 1	23
IVY5-SWT	1½"	¾"	9.3	3.8	5.5	2.8	1.6	17 : 1	44
IVY6-SWT	2"	1"	10.0	4.1	6.2	3.1	1.9	13 : 1	46
IVY1-FPT	½"	½"	5.0	2	3.5	2.1	1.0	11 : 1	7
IVY2-FPT	¾"	½"	5.2	2.3	3.5	2.2	1.1	8 : 1	8
IVY3-FPT	1"	½"	7.2	3.1	4.1	2.3	1.3	14 : 1	19
IVY4-FPT	1¼"	¾"	7.6	3.3	4.6	2.6	1.5	11 : 1	21
IVY5-FPT	1½"	¾"	9.1	3.8	5.5	2.8	1.6	17 : 1	45
IVY6-FPT	2"	1"	9.9	4.1	6.2	3.1	1.9	13 : 1	47

Note: All dimensions, weights, and materials are subject to minor variations. Consult with factory for confirmation of dimensions, weights, and material specifications.

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

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

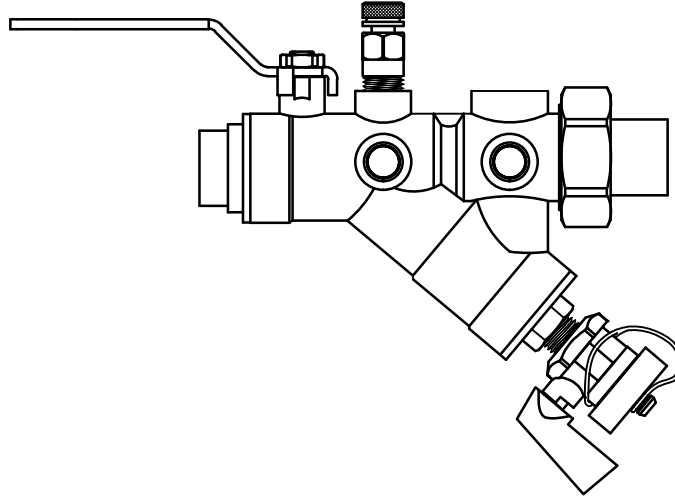
Size	Tail Piece	C	Weight	Size	Tail Piece	C	Weight
½" SWT	½" - M	6.8	2.3	½" FPT	½" - M	6.5	2.3
	½" - F	5.9	2.2		½" - F	5.6	2.2
	½" - S	5.9	2.2		½" - S	5.6	2.2
¾" SWT	½" - M	7.2	2.6	¾" FPT	½" - M	6.8	2.6
	½" - F	6.7	2.6		½" - F	6.3	2.6
	½" - S	6.4	2.4		½" - S	5.9	2.5
	¾" - M	7.4	2.6		¾" - M	6.9	2.6
	¾" - F	6.4	2.5		¾" - F	6.0	2.5
	¾" - S	6.4	2.4		¾" - S	6.0	2.5
1" SWT	½" - M	9.9	4.0	1" FPT	½" - M	9.2	4.1
	¾" - M	9.9	4.1		¾" - M	9.2	4.1
	¾" - S	8.7	3.8		¾" - S	8.1	3.9
	1" - M	9.9	4.1		1" - M	9.2	4.1
	1" - F	8.8	3.9		1" - F	8.1	3.9
	1" - S	8.9	3.8		1" - S	8.2	3.9
1¼" SWT	½" - M	10.0	5.8	1¼" FPT	½" - M	9.4	5.9
	¾" - M	10.0	6.0		¾" - M	9.6	6.1
	1" - M	10.0	6.0		1" - M	9.6	6.1
	1" - M	10.0	6.1		1" - M	9.6	6.1
	1¼" - F	8.3	5.9		1¼" - F	8.6	6.0
	1¼" - S	8.3	5.6		1¼" - S	8.6	5.7
1½" SWT	¾" - M	11.9	8.7	1½" FPT	¾" - M	11.0	8.8
	1" - M	12.5	8.6		1" - M	11.6	8.7
	1¼" - M	12.5	8.6		1¼" - M	11.6	8.7
	1" - M	12.5	8.6		1" - M	11.6	8.7
	1½" - F	11.2	8.2		1½" - F	10.4	8.3
	1½" - S	11.2	8.0		1½" - S	10.4	8.1
2" SWT	1" - M	12.8	11.7	2" FPT	1" - M	12.1	11.8
	1¼" - M	13.7	11.7		1¼" - M	12.9	11.8
	1½" - M	13.7	11.5		1½" - M	12.9	11.7
	1" - M	13.7	11.5		1" - M	12.9	11.7
	2" - F	11.9	10.8		2" - F	11.1	11.0
	2" - S	12.2	10.5		2" - S	12.0	10.6

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

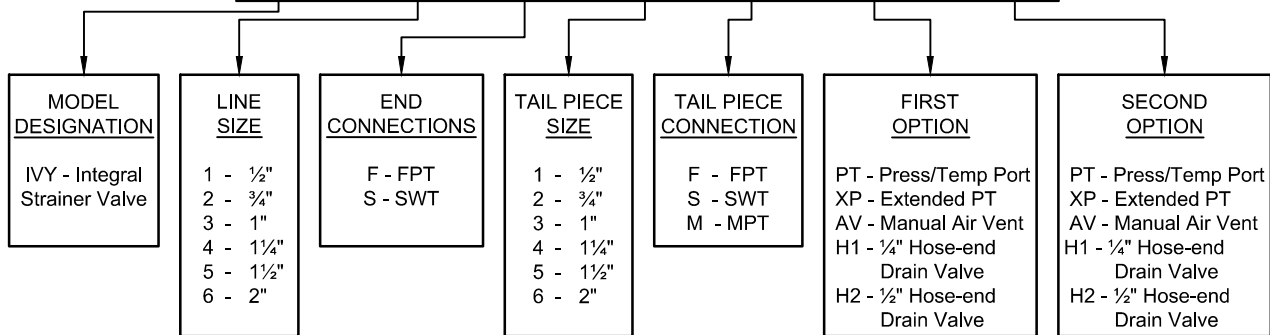


IVY Series Submittal

Integral Ball Valve/Wye Strainer/Union



IVY - X - X - X - X - XX - XX



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