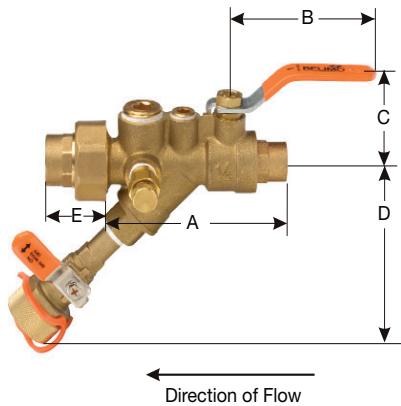


Technical Data	
Service	chilled or hot water, 60% glycol
Sizes	½", ¾", 1, 1¼", 1½", 2"
Materials:	
Body	forged brass
Union nut	forged brass
Ball	chrome plated/forged brass
Stem piece & gland nut	forged brass
Tailpiece	forged brass
Lever handle	zinc plated steel with vinyl grip
Lever nut	extruded brass
Seals & packing	PTFE
Stem O-rings	Viton
Strainer screen	304 stainless steel / 20 mesh screen
Readout port body & cap	extruded brass
Readout port	Nordel
Media temp. range	0°F to 212°F [-18°C to +100°C]
Leakage	0%



Valve Nominal Size		Cv Rating	Dimensions Inches [mm]				
Inches	DN [mm]		A	B	C	D	E
½"	[12.70]	5.50	3.80" [96.52]	3.40" [86.36]	1.70" [43.18]	1.50" [63.50]	1.00" [25.40]
¾"	[19.05]	9.00	5.20" [132.10]	3.40" [86.36]	1.80" [45.72]	2.50" [63.50]	1.00" [25.40]
1"	[25.40]	9.00	5.30" [134.60]	3.40" [86.36]	1.80" [45.72]	2.50" [63.50]	1.20" [30.48]
1¼"	[31.75]	28.00	6.60" [167.60]	4.40" [111.80]	2.50" [63.50]	2.50" [63.50]	1.70" [43.18]
1½"	[38.10]	28.00	6.60" [167.60]	4.40" [111.80]	2.50" [63.50]	2.50" [63.50]	1.90" [48.26]
2"	[50.80]	32.00	11.30" [287]	5.50" [139.70]	3.50" [88.90]	2.50" [63.50]	1.90" [48.26]

Note: the Cv factor is the flow rate in GPM through the valve at a 1 PSID. For calculated pressure drop across the Strainer, calculate $P = \frac{(GPM)^2}{Cv^2}$. Cv rating supplied in the chart.

Application

The Strainer combines the features of an isolation valve, strainer, union, and pressure/temperature readout port into a single unit. The forged brass body ensures reliable, leak-free performance. Multiple taps/bosses offer versatility for additional accessories to accommodate piping configuration requirements.

The Strainer greatly simplifies the Contractor's job by eliminating several piping connections, thus saving time, money, and potential leak points. Finally, the Strainer requires only one third the space of the components it replaces, making tough piping jobs a snap.

Connection Availability

Body end	female NPT ½" thru 2" copper SWT ½" thru 2"
Tailpiece end	female NPT ½" thru 2" male NPT ½" thru 2" copper SWT ½" thru 2"
Tailpiece end with one size reduction	female NPT ¾" thru 2" male NPT ¾" thru 2" copper SWT ½" thru 2"
Body end with two size reduction	female NPT 1" thru 2" copper SWT 1" thru 2"

Part Number

PPS1111	½" strainer, female NPT to female NPT w/blow down/drain port and P/T port
PPS1112	½" strainer, female NPT, sweat w/blow down/drain port and P/T port
PPS1113	½" strainer, female NPT to male NPT w/blow down/drain port and P/T port
PPS1211	½" strainer, sweat to female NPT w/blow down/drain port and P/T port
PPS1212	½" strainer, sweat to sweat w/blow down/drain port and P/T port
PPS1213	½" strainer, sweat to male NPT w/blow down/drain port and P/T port
PPS2111	¾" strainer, female NPT to female NPT w/blow down/drain port and P/T port
PPS2112	¾" strainer, female NPT to sweat w/blow down/drain port and P/T port
PPS2113	¾" strainer, female NPT to male NPT w/blow down/drain port and P/T port
PPS2211	¾" strainer, sweat to female NPT w/blow down/drain port and P/T port
PPS2212	¾" strainer, sweat to sweat w/blow down/drain port and P/T port
PPS2213	¾" strainer, sweat to male NPT w/blow down/drain port and P/T port
PPS3111	1" strainer, female NPT to female NPT w/blow down/drain port and P/T port
PPS3112	1" strainer, female NPT to sweat w/blow down/drain port and P/T port
PPS3113	1" strainer, female NPT to male NPT w/blow down/drain port and P/T port
PPS3221	1" strainer, sweat to female NPT w/blow down/drain port and P/T port
PPS3222	1" Strainer, sweat to sweat w/blow down/drain port and P/T port
PPS3213	1" strainer, sweat to male NPT w/blow down/drain port and P/T port
PPS4111	1" to ¾" strainer, female NPT to female NPT w/blow down/drain port and P/T port
PPS4112	1" to ¾" strainer, female NPT to sweat w/blow down/drain port and P/T port
PPS4113	1" to ¾" strainer, female NPT to male NPT w/blow down/drain port and P/T port
PPS4211	1" to ¾" strainer, sweat to female NPT w/blow down/drain port and P/T port
PPS4212	1" to ¾" strainer, sweat to sweat w/blow down/drain port and P/T port
PPS4213	1" to ¾" strainer, sweat to male NPT w/blow down/drain port and P/T port
PPS5111	¾" to ½" strainer, female NPT to female NPT w/blow down/drain port and P/T port
PPS5112	¾" to ½" strainer, female NPT to sweat w/blow down/drain port and P/T port
PPS5113	¾" to ½" strainer, female NPT to male NPT w/blow down/drain port and P/T port
PPS5211	¾" to ½" strainer, sweat to female NPT w/blow down/drain port and P/T port
PPS5212	¾" to ½" strainer, sweat to sweat w/blow down/drain port and P/T port
PPS5213	¾" to ½" strainer, sweat to male NPT w/blow down/drain port and P/T port

Note: All reductions are on the tail piece side. Only standard sizes are shown, consult factory for sizes 1¼" to 2" inch sizes.

Custom Option: The Y Strainer is available in a body side press option for sizes ½" through 2". The Strainer Press greatly simplifies the Contractor's job by eliminating several piping connections, thus saving time, money and potential leak points. The Strainer Press requires only one third the space of the components it replaces, making tough piping jobs a snap. The Strainer Press is designed for direct mechanical connection to ASTM B88-Type K, L and M copper tubing in the hard drawn condition.