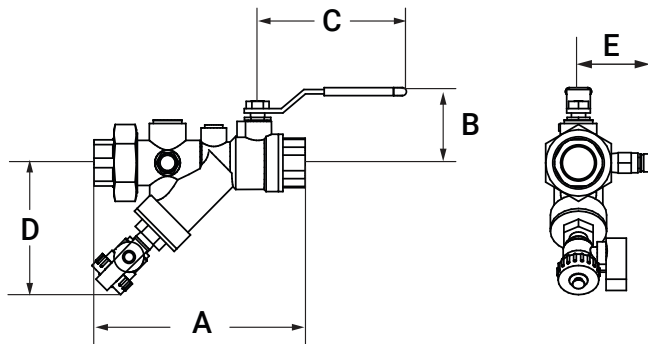


| Technical Data           |  |
|--------------------------|--|
| Fluid                    | chilled or hot water, 60% glycol       |
| Sizes                    | ½", ¾", 1", 1¼", 1½", 2"               |
| Materials:               |  |
| Body                     | forged brass                           |
| Union nut                | forged brass                           |
| Ball                     | chrome plated/forged brass             |
| Stem piece & gland nut   | forged brass                           |
| Tailpiece                | forged brass                           |
| Seals & packing          | PTFE                                   |
| Stem o-rings             | Viton                                  |
| Strainer screen          | 304 stainless steel / 20 mesh standard |
| Readout port body & cap  | extruded brass                         |
| Readout port seal        | Nordel                                 |
| Pressure /temp. ratings: |  |
| ½"...2"                  | 600 psi                                |
| Component temperature    | 325°F maximum                          |
| Leakage                  | 0%                                     |



| Dimensions         |         |       |                        |              |               |               |              |
|--------------------|---------|-------|------------------------|--------------|---------------|---------------|--------------|
| Valve Nominal Size |         | Cv    | Dimensions Inches [mm] |              |               |               |              |
| In                 | DN [mm] |       | A                      | B            | C             | D             | E            |
| ½"                 | [10]    | 5.50  | 5.37 [136.40]          | 2.00 [50.80] | 3.10 [78.74]  | 3.07 [77.98]  | 1.90 [48.26] |
| ¾"                 | [15]    | 9.00  | 5.84 [148.34]          | 2.00 [50.80] | 4.10 [104.14] | 4.31 [109.47] | 2.00 [50.80] |
| 1"                 | [25]    | 9.00  | 6.85 [173.99]          | 2.00 [50.80] | 4.10 [104.14] | 4.31 [109.47] | 2.00 [50.80] |
| 1¼"                | [32]    | 28.00 | 7.65 [194.31]          | 2.67 [67.82] | 4.83 [122.68] | 4.64 [117.86] | 2.22 [56.39] |
| 1½"                | [40]    | 28.00 | 8.89 [225.81]          | 2.66 [67.56] | 4.90 [124.46] | 4.64 [117.86] | 2.22 [56.39] |
| 2"                 | [50]    | 32.00 | 11.47 [291.34]         | 3.23 [82.04] | 6.48 [164.59] | 5.26 [133.60] | 2.63 [66.80] |

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"...2"<br>copper SWT ½"...2"                     |
| Tailpiece end                         | female NPT ½"...2"<br>male NPT ½"...2"<br>copper SWT ½"...2" |
| Tailpiece end with one size reduction | female NPT ¾"...2"<br>male NPT ¾"...2"<br>copper SWT ½"...2" |
| Body end with two size reduction      | female NPT 1"...2"<br>copper SWT 1"...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 items are shown. Consult factory or Select-Pro software for full range of available options including 1¼"...2" sizes.

**Custom Option:** The Strainer is available in a body side press fit option for sizes ½"...2". The Press Fit Strainer is rated 250PSI WOG. Connections are manufactured to IAPMO PS 117 for direct mechanical connection to ASTM B88-Type K, L and M copper tubing in the hard drawn condition.

### Safety Note

**Warning:** This product can expose you to lead which is known to the State of California to cause cancer and reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)