



Materials.

Preferred valve material. Preferred material is brass in accordance with ASTM B61.

Brass. Brass shall be in accordance with the following:

ASTM B16/B16M	ASTM B121/B121M	ASTM B505/B505M	SAE AMS4845
ASTM B22	ASTM B124/B124M	ASTM B584	SAE AMS4855
ASTM B30	ASTM B148	ASTM B763	SAE AMS4860
ASTM B36/B36M	ASTM B176	ASTM B770	SAE AMS4862
ASTM B61	ASTM B271		SAE AMS4890
ASTM B62	ASTM B369		

Protective Coating. Brass: None.

Caution: Brass with lead contents shall not be used for potable water or oxygen systems.

Mounting. Mounting shall be horizontal.

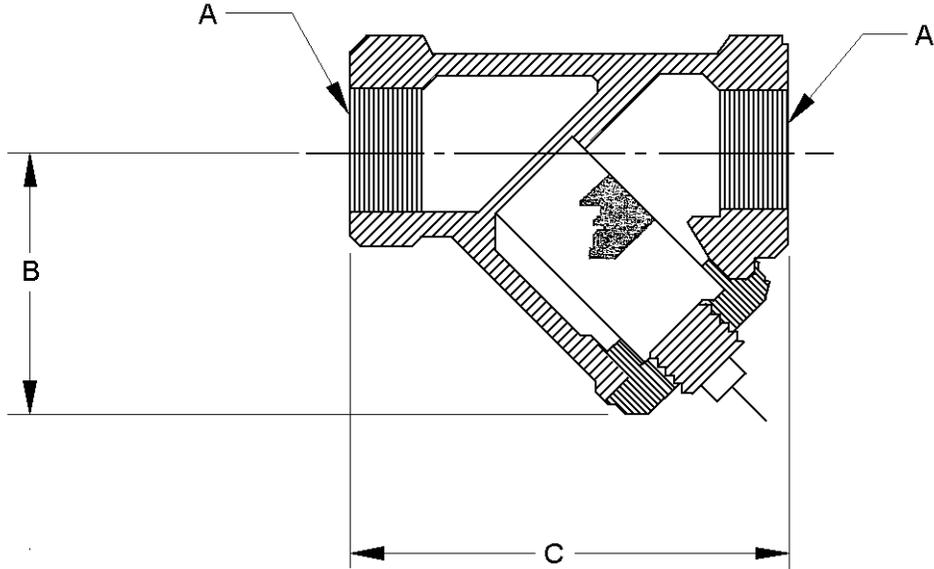
Pressure. Working Pressure: 150 psi (10.3 bar).

Strainer.

- a. Strainer shall be stainless steel.
- b. Strainer mesh shall be 100 microns.

Test Pressures. Perform tests in accordance with A-A-59440 using API Standard 598.

- a. Shell test pressure 275 psig (19.0 bar).
- b. Certification of testing can be used in place of testing if procuring activity accepts.



Dash number	Nominal pipe size	A Pipe tread, NPTF-1	B Ref	C Ref
110	1/4	1/4 - 18	1.75	2.25
111	3/8	3/8 - 18	1.75	2.25
112	1/2	1/2 - 14	1.75	2.50
113	3/4	3/4 - 14	2.00	3.00
114	1	1 - 11 1/2	2.38	3.00

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified tolerances are  $\pm .010$  inch (0.25 mm).
4. Oval port having same cross sectional area is acceptable.
5. Measurements across flats of hexagonal wrench pad shall be a standard measurement.

FIGURE 1. Valve, trap, strainer, WOG.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID specification sheet. See the classification section for PIN format example.

Source of documents

Commercial Item Description

A-A-59440 - Cock-Valves and Valves, General Requirements For

(Copies of these documents are available online at <https://assist.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

American Petroleum Institute

API Standard 598 - Valve Inspection and Testing

(Copies of this document are available online at <http://www.api.org/Standards/> or from American Petroleum Institute, 1220 L Street, NW, Washington, DC 20005-4070, Tel: 202-682-8000.)

ASTM INTERNATIONAL

ASTM B16/B16M - Free-Cutting Brass Rod, Bar and Shapes for use in Screw Machines  
ASTM B22 - Bronze Castings for Bridges and Turntables  
ASTM B30 - Copper Alloys in Ingot Form  
ASTM B36/B36M - Brass Plate, Sheet, Strip, and Rolled Bar  
ASTM B61 - Steam or Valve Bronze Castings  
ASTM B62 - Composition Bronze or Ounce Metal Castings  
ASTM B121/B121M - Leaded Brass Plate, Sheet, Strip, and Rolled Bar  
ASTM B124/B124M - Copper and Copper Alloy Forging Rod, Bar, and Shapes  
ASTM B148 - Aluminum-Bronze Sand Castings  
ASTM B176 - Copper-Alloy Die Castings  
ASTM B271 - Copper-Base Alloy Centrifugal Castings  
ASTM B369 - Copper-Nickel Alloy Castings  
ASTM B505/B505M - Copper Alloy Continuous Castings  
ASTM B584 - Copper Alloy Sand Castings for General Applications  
ASTM B763 - Copper Alloy Sand Castings for Valve Applications  
ASTM B770 - Copper-Beryllium Alloy Sand Castings for General Applications

(Copies of these documents are available online at <http://www.astm.org> or from the ASTM International, P.O. Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

SAE INTERNATIONAL

- SAE AMS4845 - Tin Bronze Castings, Sand and Centrifugal  
87.5CU - 10SN - 2ZN as Cast
- SAE AMS4855 - Leaded Red Brass, Sand and Centrifugal Castings  
85CU - 5.0SN - 5.0PB - 5.0ZN as Cast
- SAE AMS4860 - Manganese Bronze, Sand and Centrifugal Castings  
58CU - 39ZN - 1.2FE - 1.0AL - 0.80MN as Cast
- SAE AMS4862 - Manganese Bronze, Sand and Centrifugal Castings  
63CU - 24ZN - 6.2AL - 3.8MN - 3.0FE High Strength, as Cast
- SAE AMS4890 - Copper-Beryllium Alloy Castings  
97CU - 2.1BE - 0.52CO - 0.28SI Solution Heat Treated (TBOO)

(Copies of these documents are available on line at [www.sae.org](http://www.sae.org) from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, and Tel: 877-606-7323 [inside USA and Canada] or 724-776-4970 [outside USA], email at [CustomerService@sae.org](mailto:CustomerService@sae.org).)

MILITARY INTERESTS:

Custodians:

Army - AR  
Navy - SH  
Air Force - 99  
DLA - CC

Review activities:

Army - AT, CR4, GL, MI  
Navy - AS, MC, SA

CIVIL AGENCY AND COORDINATING ACTIVITIES:

GSA - FSS

Preparing activity:

DLA - CC

(Project 4820-2012-012)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organization and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.