



2" Strainer: C-GSTWLD200/0052

INTRODUCTION

These rugged, refrigerant strainers (filters) are designed to remove foreign materials, like dirt and weld slag, from refrigeration systems. Strainers help prevent damage to valves and other components, reducing costly service and downtime. Strainers are usually installed immediately prior to solenoid valves, pressure regulators and other sensitive valves and equipment. This line of strainers has been redesigned to work in higher pressure applications by utilizing the new high pressure rated shut off valve body.

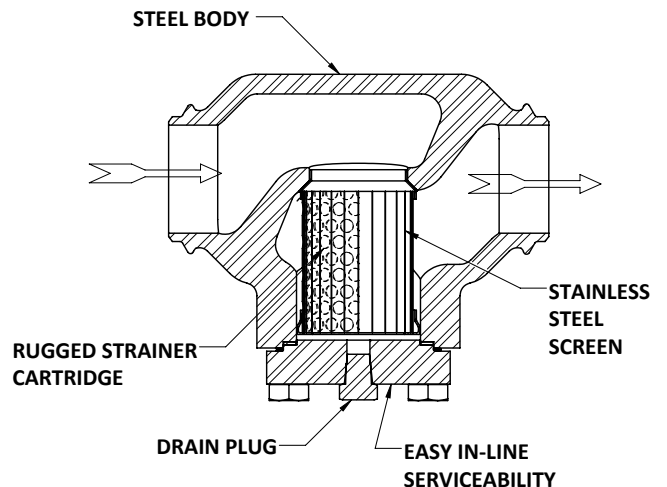
Specifications, Applications, Service Instructions & Parts

ST STRAINERS (FILTERS)

**1/2" thru 2"
(13 mm thru 50 mm)
for refrigerants**

TSG Certified

KEY FEATURE



MATERIAL SPECIFICATIONS

Body: 1/2" through 1": Forged Steel ASTM A350 Grade LF2
 2": Cast Steel ASTM A352 Grade LCB

Bottom Cover: Steel Plate for Low Temperature

Drain Plug: 1/4" NPT Standard

Screen: Stainless steel, 60 mesh (233 micron rating) or 100 mesh (150 micron rating)

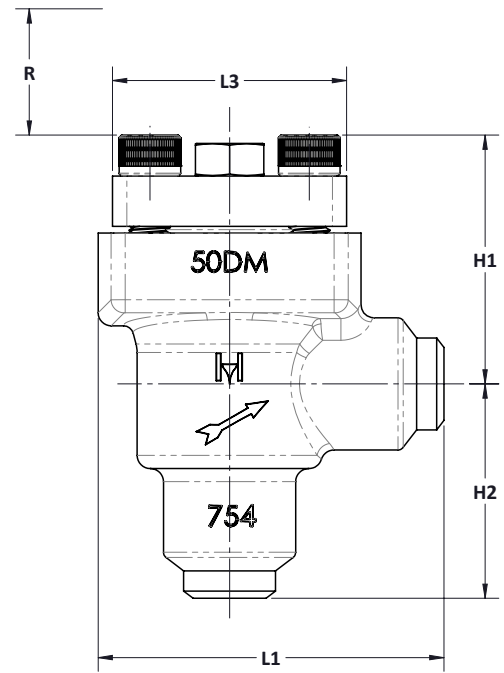
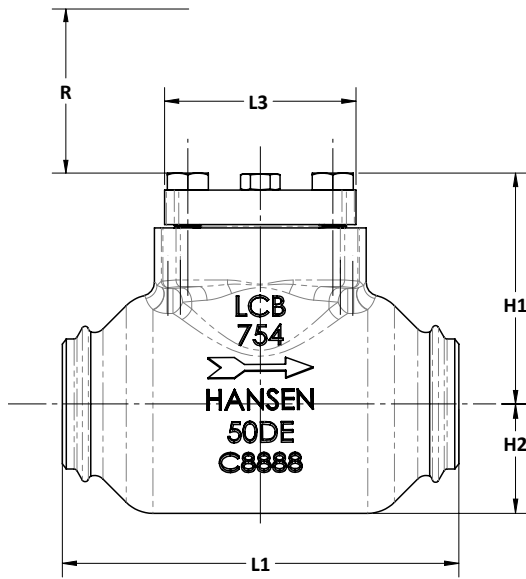
Gaskets: Nonasbestos, graphite composite

Safe Working Pressure: 754 psig (52 bar)

Operating Temperature: -60°F to +240°F (-50°C to +115°C)

INSTALLATION DIMENSIONS

inches (mm)



CAT NO	H1	H2	L1	L3	R	W	SCREEN AREA in2 (cm2)
C-GSTWLD050/0012	3.41" (87)	0.59" (15)	4.08" (104)	2.14" (54)	3.00" (76)	4.08" (104)	2.9" (73.66)
C-GSTWLD075/0002	3.41" (87)	0.59" (15)	4.08" (104)	2.14" (54)	3.00" (76)	4.08" (104)	2.9" (73.66)
C-GSTWLD100/0022	3.77" (96)	0.94" (24)	5.22" (133)	2.44" (62)	3.00" (76)	5.22" (133)	4.6" (116.84)
C-GSTWLD125/0032	3.77" (96)	0.94" (24)	5.22" (133)	2.44" (62)	3.00" (76)	5.22" (133)	4.6" (116.84)
C-GSTWLD150/0042	4.25" (108)	1.97" (50)	7.25" (184)	3.5" (89)	4.00" (102)	7.25" (184)	13.9" (353.06)
C-GSTWLD200/0052	4.25" (108)	2.00" (51)	7.25" (184)	3.5" (89)	4.00" (102)	7.25" (184)	13.9" (353.06)
C-ASTWLD050/0012	2.28" (58)	1.96" (50)	3.16" (80)	2.14" (54)	3.00" (76)	3.16" (80)	2.9" (73.66)
C-ASTWLD075/0002	2.28" (58)	1.96" (50)	3.16" (80)	2.14" (54)	3.00" (76)	3.16" (80)	2.9" (73.66)
C-ASTWLD100/0022	2.16" (55)	2.12" (54)	3.49" (87)	2.44" (62)	3.00" (76)	3.49" (87)	4.6" (116.84)
C-ASTWLD125/0032	2.16" (55)	2.12" (54)	3.49" (87)	2.44" (62)	3.00" (76)	3.49" (87)	4.6" (116.84)
C-ASTWLD150/0042	3.03" (77)	3.38" (86)	5.29" (134)	3.5" (89)	4.00" (102)	5.29" (134)	13.9" (353.06)
C-ASTWLD200/0052	3.06" (78)	3.38" (86)	5.28" (134)	3.5" (89)	4.00" (102)	5.28" (134)	13.9" (353.06)

ORDERING INFORMATION

CAT NO	VALVE STYLE	FOR VALVE SIZE INCH (MM)	CONNECTIONS AVAILABLE	MESH
			BUTT WELD	
C-GSTWLD050/0012	GLOBE	1/2" (13)	1/2"	100 MESH
C-GSTWLD075/0002	GLOBE	3/4" (20)	3/4"	100 MESH
C-GSTWLD100/0022	GLOBE	1" (25)	1"	60 MESH
C-GSTWLD125/0032	GLOBE	1-1/4" (32)	1-1/4"	60 MESH
C-GSTWLD150/0042	GLOBE	1-1/2" (40)	1-1/2"	60 MESH
C-GSTWLD200/0052	GLOBE	2" (50)	2"	60 MESH
C-ASTWLD050/0012	ANGLE	1/2" (13)	1/2"	100 MESH
C-ASTWLD075/0002	ANGLE	3/4" (20)	3/4"	100 MESH
C-ASTWLD100/0022	ANGLE	1" (25)	1"	60 MESH
C-ASTWLD125/0032	ANGLE	1-1/4" (32)	1-1/4"	60 MESH
C-ASTWLD150/0042	ANGLE	1-1/2" (40)	1-1/2"	60 MESH
C-ASTWLD200/0052	ANGLE	2" (50)	2"	60 MESH

SERVICE AND MAINTENANCE

Repeated inspection of strainers during system start-up or repairs is essential for optimum benefit. Before opening a strainer or any other component, be sure it is isolated from the system, and all refrigerant is removed (pumped out to zero pressure). The 1/2" through 2" strainers have a drain plug in the bottom cover for connecting a drain valve and hose for proper and safe removal of any trapped liquid refrigerant.

Screen Removal and Cleaning: Be careful to avoid any refrigerant which may still be in the strainer. Loosen the bottom cover bolts and bottom cover, check for refrigerant presence, and then remove the bolts, cover, and screen assembly. Clean the screen assembly with a good solvent, blow dry, and inspect. If the screen is damaged or sediment cannot be removed from the screen, replace the screen assembly. Carefully align the screen assembly in the center of the strainer body and replace the bottom cover. Pressure test for leaks before returning to service.

CAUTION

Hansen strainers are for refrigeration systems only. Read these instructions and related safety precautions completely before selecting, using, or servicing these strainers. Only knowledgeable, trained refrigeration mechanics should install, operate, or service these strainers. Stated temperature and pressure limits should not be exceeded. The bottom cover should not be removed from strainers unless the system has been evacuated to zero pressure. See also Safety Precautions in the current List Price Bulletin and the Safety Precautions Sheet supplied with the product. Escaping refrigerant can cause injury, particularly to the eyes and lungs.

WARRANTY

All Hansen products, except electronics, are guaranteed against defective materials or workmanship for one year F.O.B. factory. Electronics are guaranteed against defective materials or workmanship for 90 days F.O.B. factory. No consequential damages or field labor is included.

REPLACEMENT SCREEN KITS

DESCRIPTION	QTY	PART NO
Screen Kit for 1/2" and 3/4" Strainers		78-1500
Screen Assembly	1	78-2531
Bonnet Gasket	1	50-0805
Screen Kit for 1" and 1-1/4"		78-1501
Screen Assembly	1	78-2518
Bonnet Gasket	1	50-0806
Screen Kit for 1-1/2" and 2"		78-1502
Screen Assembly	1	78-2507
Bonnet Gasket	1	50-0259



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