Entegris

high-purity filtration in liquid processes

Overview

Entegris' SC multi cartridge stainless steel housings can be installed with a maximum of 13 cartridges. The housing is constructed of high-quality 316, 316L or 304 stainless steel and recommended for liquid filtration in electronics manufacturing, chemical processing and general industry applications.

Features and Benefits

• Constructed of 316L or 304 stainless steel; 316L construction provides excellent corrosion resistance

• Electropolished finish eliminates harmful contaminants

• Accepts Entegris code 0 type cartridges, providing high-purity filtration

• ANSI 150# or JIS 10K FF flange inlet/outlet connections for ease of installation
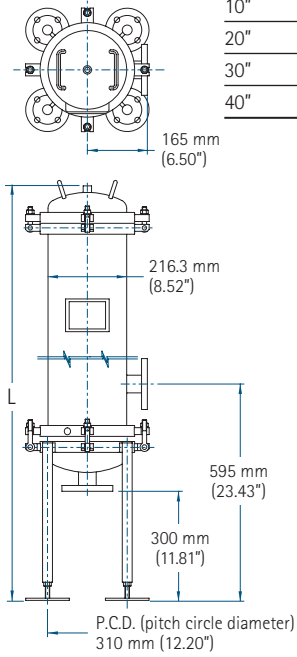
Applications

• Pre-filtration and final filtration of liquid processes

Specifications

Materials:	Housing (shell, head, bottom, manifold, pressure plate, tie rod, butterfly nut)	316L or 304 stainless steel				
	Spring	316 stainless steel				
	Plug	316L stainless steel				
	Clamp nut /clamp bolt	Brass/304 stainless steel				
	Leg	304 stainless steel				
	O-ring	FKM or E-FKM				
Surface finish:	Interior	Pickling, #400 buffing, electropolished				
	Exterior	Pickling				
Connections:	Inlet/outlet	ANSI 150# flange	1½B	2B	2½B	3B	4B
		JIS 10K FF flange	40A	50A	65A	80A	100A
	Vent	⅜" NPT or Rc ⅜"				
	Drain	½" NPT or Rc ½"				
Maximum operating pressure	0.69 MPa @ 40°C (static)					
Cartridge configuration:	Entegris code-0, 222 o-ring type					
Cartridge diameter:	70 mm (2.75")					

Dimensions

4 Cartridges Type

Cartridge	L
10"	865 mm (34.06")
20"	1115 mm (43.90")
30"	1365 mm (53.74")
40"	1615 mm (63.58")

165 mm (6.50")

216.3 mm (8.52")

L

595 mm (23.43")

300 mm (11.81")

P.C.D. (pitch circle diameter) 310 mm (12.20")
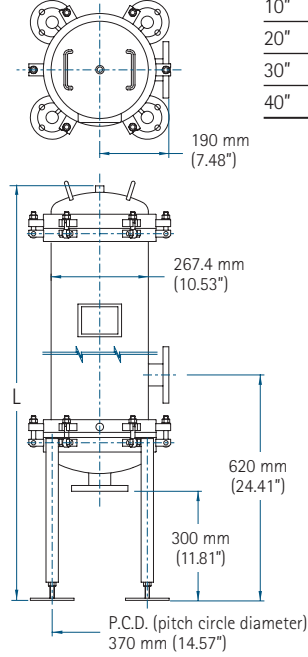
7 Cartridges Type

Cartridge	L
10"	890 mm (35.04")
20"	1140 mm (44.88")
30"	1390 mm (54.72")
40"	1640 mm (64.57")

190 mm (7.48")

267.4 mm (10.53")

L

620 mm (24.41")

300 mm (11.81")

P.C.D. (pitch circle diameter) 370 mm (14.57")
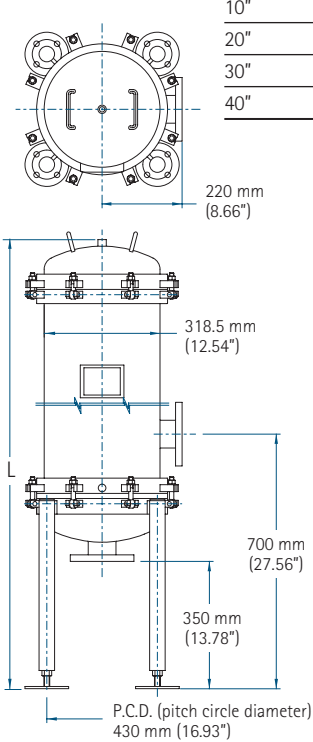
11 Cartridges Type

Cartridge	L
10"	985 mm (38.78")
20"	1235 mm (48.62")
30"	1485 mm (58.46")
40"	1735 mm (68.31")

220 mm (8.66")

318.5 mm (12.54")

L

700 mm (27.56")

350 mm (13.78")

P.C.D. (pitch circle diameter) 430 mm (16.93")

13 Cartridges Type
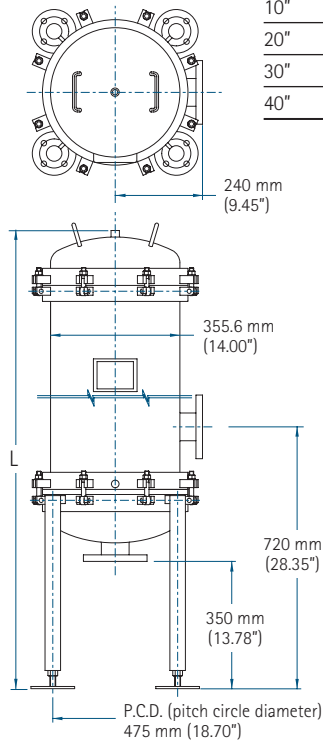
Cartridge	L
10"	1010 mm (39.76")
20"	1260 mm (49.61")
30"	1510 mm (59.45")
40"	1760 mm (69.29")

240 mm (9.45")

355.6 mm (14.00")

L

720 mm (28.35")

350 mm (13.78")

P.C.D. (pitch circle diameter) 475 mm (18.70")

Ordering Information

SC Housings
Part Number

SC0 _ _ _ _ _ _ _ _

Flange Size

3 = 40A	D = 1½B
4 = 50A	E = 2B
5 = 65A	F = 2½B
6 = 80A	G = 3B
7 = 100A	H = 4B

Flange Type
F = JIS 10K FF
A = ANSI 150#

O-ring
V = FKM
T = E-FKM

Surface Finish
A = Internal – pickling; external – pickling
B = Internal – #400 buffing; external – pickling
C = Internal – EP; external – pickling

Materials
4 = 304 stainless steel
L = 316L stainless steel

Cartridge Capacity
04 = 4 cartridges   11 = 11 cartridges
07 = 7 cartridges   13 = 13 cartridges

Cartridge Length
1 = 10"   3 = 30"
2 = 20"   4 = 40"

Spare O-rings

Part Number		Housing Type	O-ring Size
FKM	**E-FKM**		
SC04000VT	SC04000T	SC-4	G220
SC07000VT	SC07000T	SC-7	G270
SC11000VT	SC11000T	SC-11	G325
SC13000VT	SC13000T	SC-13	G360

For More Information

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