



Multi-filter cartridge housings for the most demanding applications

The TOPCART multi-filter cartridge housings from Eaton are the best choice for the most demanding industrial applications.

These multi-filter cartridge housings are robust and ideal for industrial liquid filtration. TOPCART filter cartridge housings are made of high-quality stainless steel and are suitable for use with both DOE (double open ended) and SOE (single open ended) filter cartridges.

300- to 600-series housings: The filter housings have a concave lid which is fitted with hinged eyebolts. The inlet and outlet are on the side ("inline installation").

1100- to 7300-series housings: Depending on the type of housing, the filter housings are supplied with a flat or domed cover, with hinged eyebolts or segment clamp screws, with a loose-fitting cover or lifting swivel cover (hand wheel or hydraulic), with a side inlet and central bottom outlet.

Sealing of all housings is achieved by means of a NBR O-ring.

Features

- 300- to 600-series housings:
Parts in contact with product:
Stainless steel 1.4408/1.4571 (316/316Ti)
Housing connections (inlet and outlet):
Flange DN40/PN16 or DN50/PN16 DIN EN 1092-1 and female thread G 1½" DIN ISO 228-1 or G 2" DIN ISO 228-1
- 1100- to 7300-series housings:
Parts in contact with product:
Stainless steel 1.4571 (316Ti)
Housing connections (inlet and outlet):
Flange DN80/PN16 DIN EN 1092-1, DN100/PN16 DIN EN 1092-1 or DN150/PN16 DIN EN 1092-1
- Available with drainage and venting
- Filter cartridges in double open ended (DOE) design, as well as single open ended (SOE) design with a maximum outer diameter of 64 or 71 mm can be used in lengths of 9¾", 10", 19½", 20", 29¼", 30", 39" or 40"
- Maximum permissible operating pressure: 10 bar or 16 bar
- Maximum permissible operating temperature: 120°C or 160°C

Options

- NBR O-ring as standard for cover seal, optionally available in EPDM and FKM
- 1100- to 7300-series housings:
 - Special materials, such as HASTELLOY®
 - Design with heating jacket
 - On request, the vessels can be manufactured with testing by a notified body (CE certification in accordance with PED 2014/68/EU)
 - Installation of filter cartridges open on one side (SOE 226) as a special design

NBR: Nitrile Butadiene Rubber
EPDM: Ethylene Propylene Diene Monomer Rubber
FKM: Fluoro Rubber
PED: Pressure Equipment Directive
HASTELLOY® is a registered trademark of Haynes International Inc.



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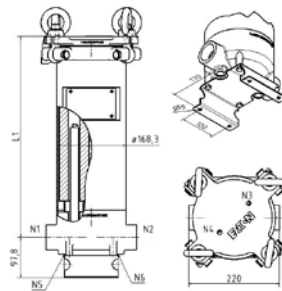
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TOPCART Multi-Filter Cartridge Housings

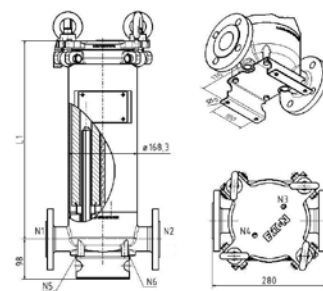
Applications

Coarse filtration > 500 µm	
Medium filtration > 10 µm	✓
Fine filtration < 10 µm	✓
Pre-filtration	✓
Safety filtration	✓
High volume	
Batch filtration	✓
Circuit filtration	✓
Continuous filtration	✓
Solvents, paints	✓
Fats and oils	
Catalysts, activated carbon	✓
Acids, bases	✓
Petrochemicals	
Water, waste water	✓
Chemical industry	✓
Pharmaceuticals	
Metal cleaning	✓
Automotive industry	
Electronics	
Food and beverage	
Paint and lacquer	✓
Water treatment	✓
Galvanic industry	✓

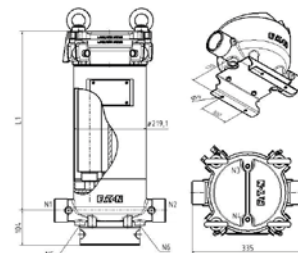
Types



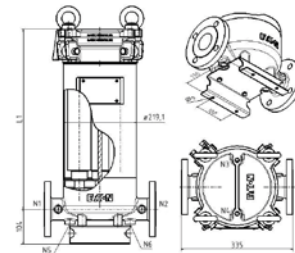
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TKF-3(...)AD16-040B-226



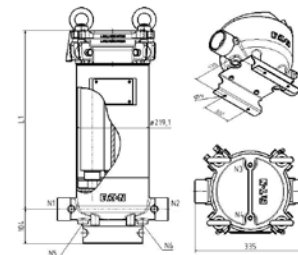
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TKF-3(...)AD16-040D-226



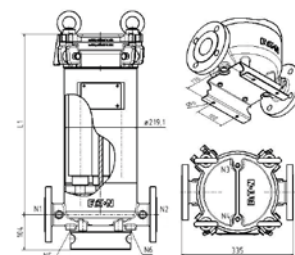
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TKF-5(...)AD10-050B-226



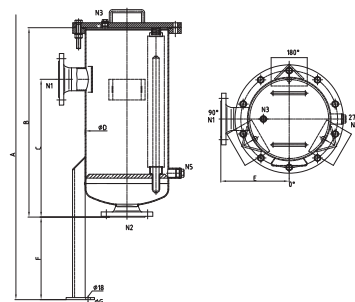
TKF-5(...)AD10-050D
TKF-5(...)AD10-050D-226



TKF-6(...)AD10-050B



TKF-6(...)AD10-050D



TOPCART Multi-Filter Cartridge Housings

Dimensions (mm)

Types	TKF-3(...)-AD16-040B and 040B-226 TKF-3(...)-AD16-040D and 040D-226	TKF-5(...)-AD10-050B and 050B-226 TKF-5(...)-AD10-050D and 050D-226	TKF-6(...)-AD10-050B TKF-6(...)-AD10-050D	
L1	TKF-310: 488 TKF-320: 742 TKF-330: 996 TKF-340: 1,250	TKF-510: 539 TKF-520: 793 TKF-530: 1,047 TKF-540: 1,301	TKF-610: 539 TKF-620: 793 TKF-630: 1,047 TKF-640: 1,301	
Types	TKF-1120-S TKF-1130-S TKF-1140-S	TKF-1920-S TKF-1930-S TKF-1940-S	TKF-3720-S TKF-3730-S TKF-3740-S	TKF-7330-S TKF-7340-S
A	TKF-1120-S: 1,465 TKF-1130-S: 1,960 TKF-1140-S: 2,460	TKF-1920: 1,630 TKF-1930: 2,138 TKF-1940: 2,646	TKF-3720: 1,800 TKF-3730: 2,310 TKF-3740: 2,820	TKF-7330: 2,525 TKF-7340: 3,025
B	TKF-1120-S: 700 TKF-1130-S: 945 TKF-1140-S: 1,195	TKF-1920: 752 TKF-1930: 1,006 TKF-1940: 1,260	TKF-3720: 810 TKF-3730: 1,065 TKF-3740: 1,315	TKF-7330: 1,235 TKF-7340: 1,485
C	TKF-1120-S: 500 TKF-1130-S: 745 TKF-1140-S: 995	TKF-1920: 552 TKF-1930: 806 TKF-1940: 1,060	TKF-3720: 610 TKF-3730: 865 TKF-3740: 1,115	TKF-7330: 1,045 TKF-7340: 1,295
D	324	406	559	800
E	265	305	380	500
F	265	370	480	660
G	304	385	540	780

The dimensions are for reference only and are approximate. Exact dimensions for installation purposes are available on request.

Technical Data

Types	Max. pressure (bar)	Max. temperature (°C)	Housing volume (l)	Housing weight (kg)
TKF-3(...)-AD16-040B TKF-3(...)-AD16-040B-226	16	160	TKF-310: 9.2 TKF-320: 14.7 TKF-330: 20.1 TKF-340: 25.6	TKF-310: 31 TKF-320: 35 TKF-330: 40 TKF-340: 46
TKF-3(...)-AD16-040D TKF-3(...)-AD16-040D-226	16	160	TKF-310: 9.2 TKF-320: 14.7 TKF-330: 20.1 TKF-340: 25.6	TKF-310: 33 TKF-320: 37 TKF-330: 42 TKF-340: 48
TKF-5(...)-AD10-050B TKF-5(...)-AD10-050B-226	10	160	TKF-510: 16.0 TKF-520: 24.0 TKF-530: 32.0 TKF-540: 40.0	TKF-510: 42.0 TKF-520: 46.5 TKF-530: 50.7 TKF-540: 55.0
TKF-5(...)-AD10-050D TKF-5(...)-AD10-050D-226	10	160	TKF-510: 16.0 TKF-520: 24.0 TKF-530: 32.0 TKF-540: 40.0	TKF-510: 42.0 TKF-520: 46.5 TKF-530: 50.7 TKF-540: 55.0
TKF-6(...)-AD10-050B* TKF-6(...)-AD10-050D*	10	160	TKF-610: 16.0 TKF-620: 24.0 TKF-630: 32.0 TKF-640: 40.0	TKF-610: 42.0 TKF-620: 46.5 TKF-630: 50.7 TKF-640: 55.0
TKF-11(...)-S	10	120	TKF-1120: 51 TKF-1130: 73 TKF-1140: 93	TKF-1120: 76 TKF-1130: 82 TKF-1140: 88
TKF-19(...)-S	10	120	TKF-1920: 120 TKF-1930: 153 TKF-1940: 186	TKF-1920: 118 TKF-1930: 129 TKF-1940: 140
TKF-37(...)-S	10	120	TKF-3720: 210 TKF-3730: 270 TKF-3740: 330	TKF-3720: 200 TKF-3730: 221 TKF-3740: 242
TKF-73(...)-S	10	120	TKF-7330: 405 TKF-7340: 530	TKF-7330: 562 TKF-7340: 605

*TKF-6(...)-AD10-050B and TKF-6(...)-AD10-050D: Max. outer diameter of filter cartridges is 64 mm.

Technical Data

Types	Length of filter cartridges (in)	Length of filter cartridges (mm)	Adapter filter cartridges	I/O connections
TKF-3(...)-AD16-040B TKF-3(...)-AD16-040B-226	TKF-310: 9¼ and 10 TKF-320: 19½ and 20 TKF-330: 29¼ and 30 TKF-340: 39 and 40	TKF-310: 248 and 254 TKF-320: 495 and 508 TKF-330: 743 and 762 TKF-340: 991 and 1,016	DOE SOE 222 SOE 226	G 1½" DIN ISO 228-1
TKF-3(...)-AD16-040D TKF-3(...)-AD16-040D-226	TKF-310: 9¼ and 10 TKF-320: 19½ and 20 TKF-330: 29¼ and 30 TKF-340: 39 and 40	TKF-310: 248 and 254 TKF-320: 495 and 508 TKF-330: 743 and 762 TKF-340: 991 and 1,016	DOE SOE 222 SOE 226	Flange DN40/PN16 DIN EN 1092-1
TKF-5(...)-AD10-050B TKF-5(...)-AD10-050B-226	TKF-510: 9¼ and 10 TKF-520: 19½ and 20 TKF-530: 29¼ and 30 TKF-540: 39 and 40	TKF-510: 248 and 254 TKF-520: 495 and 508 TKF-530: 743 and 762 TKF-540: 991 and 1,016	DOE SOE 222 SOE 226	G 2" DIN ISO 228-1
TKF-5(...)-AD10-050D TKF-5(...)-AD10-050D-226	TKF-510: 9¼ and 10 TKF-520: 19½ and 20 TKF-530: 29¼ and 30 TKF-540: 39 and 40	TKF-510: 248 and 254 TKF-520: 495 and 508 TKF-530: 743 and 762 TKF-540: 991 and 1,016	DOE SOE 222 SOE 226	Flange DN50/PN16 DIN EN 1092-1
TKF-6(...)-AD10-050B* TKF-6(...)-AD10-050D*	TKF-610: 9¼ and 10 TKF-620: 19½ and 20 TKF-630: 29¼ and 30 TKF-640: 39 and 40	TKF-610: 248 and 254 TKF-620: 495 and 508 TKF-630: 743 and 762 TKF-640: 991 and 1,016	DOE SOE 222	G 2" DIN ISO 228-1 Flange DN50/PN16 DIN EN 1092-1
TKF-11(...)-S	TKF-1120: 20 TKF-1130: 30 TKF-1140: 40	TKF-1120: 254 TKF-1130: 508 TKF-1140: 762	DOE SOE 222	Flange DN80/PN16 DIN EN 1092-1
TKF-19(...)-S	TKF-1920: 20 TKF-1930: 30 TKF-1940: 40	TKF-1920: 254 TKF-1930: 508 TKF-1940: 762	DOE SOE 222	Flange DN100/PN16 DIN EN 1092-1
TKF-37(...)-S	TKF-3720: 20 TKF-3730: 30 TKF-3740: 40	TKF-3720: 254 TKF-3730: 508 TKF-3740: 762	DOE SOE 222	Flange DN150/PN16 DIN EN 1092-1
TKF-73(...)-S	TKF-7330: 30 TKF-7340: 40	TKF-7330: 508 TKF-7340: 762	DOE SOE 222	Flange DN150/PN16 DIN EN 1092-1

*TKF-6(...)-AD10-050B and TKF-6(...)-AD10-050D: Max. outer diameter of filter cartridges is 64 mm.

TOPCART™ HF Single-Filter Cartridge Housings



Single-filter high-flow cartridge housings for applications demanding cartridge performance in bag style operation

The TOPCART HF single-filter cartridge housings from Eaton are designed for high-flow style cartridges in 20" and 40" lengths.

These high-flow single-filter cartridge housings are the ideal solution for heavy industrial applications with high flow rates. TOPCART HF filter cartridge housings are made of high-quality stainless steel and are suitable for use with high-flow filter cartridges like Eaton's LOFPLEAT HF filter cartridge, where the best filtration performance is required. These filter cartridge housings consist of a housing similar to our best-known SIDELINE bag filter housings, combined with a special basket accepting high flow filter cartridges. Sealing is achieved by means of an O-ring between both the filter lid and below the basket.

Features

- Housing head with eye bolt closure
- Glass bead blasted housing
- Parts in contact with product: stainless steel CF8M/316
- Housing connections (inlet and outlet): in 3" flanged version
- Available with drainage female thread ½" NPT
- Cover connection female thread 2x ¼" NPT
- Filter cartridges in bag style version with 435 O-ring in 20" and 40" length
- Maximum permissible operating pressure: 150 psi (10 bar)
- Maximum permissible operating temperature: 250°F (120°C)

Option

- NBR O-ring as standard for cover seal, optionally available in EPDM and FKM

NBR: Nitrile Butadiene Rubber
EPDM: Ethylene Propylene Diene Monomer Rubber
FKM: Fluoro Rubber



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TOPCART™ HF Single-Filter Cartridge Housings

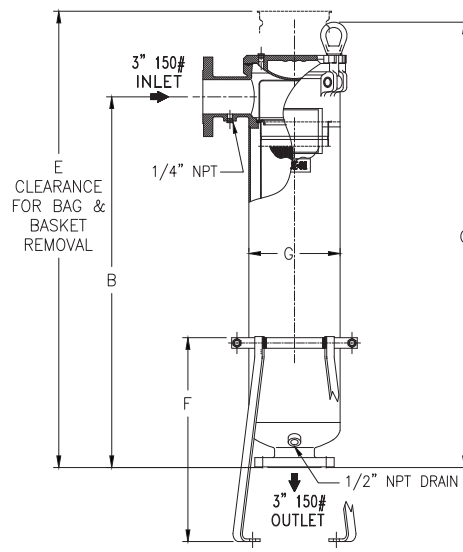
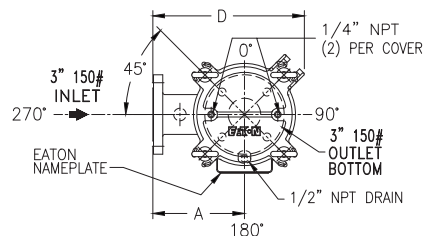
Applications

Coarse filtration > 500 µm	
Medium filtration > 10 µm	✓
Fine filtration < 10 µm	✓

Pre-filtration	✓
Safety filtration	✓
High volume	✓
Batch filtration	✓
Circuit filtration	✓
Continuous filtration	✓

Solvents, paints	✓
Fats and oils	✓
Catalyst, activated carbon	
Acids, bases	✓
Petrochemicals	
Water, waste water	✓
Chemical industry	✓
Pharmaceuticals	
Metal cleaning	✓
Automotive	✓
Electronics	✓
Food and beverage	
Paint and lacquer	
Water treatment	✓
Galvanic industry	✓

Types



Dimensions - inch (mm)

Item Number	Cartridge size	A	B	C	D	E	F	G	Weight lb (kg)
HFCF00001	20	8.68 (220)	35.00 (889)	42.12 (1,070)	14.37 (365)	69 (1,753)	19.25 (489)	8.62 (219)	114 (51.7)
HFCF00002	40	8.68 (220)	48.65 (1,236)	55.75 (1,416)	14.37 (365)	89 (2,261)	19.25 (489)	8.62 (219)	130 (58.9)

Dimensions for reference only and approximate. Exact dimensions for installation purposes available on request.

TOPCART™ HF Multi-Filter Cartridge Housings



Multi-filter high-flow cartridge housings for applications demanding cartridge performance in bag style operation

The TOPCART HF multi-filter cartridge housings from Eaton are designed for high-flow style cartridges in 20", 40", and 60" lengths, oriented either vertically or horizontally.

These high-flow multi-filter cartridge housings are the ideal solution for heavy industrial applications with high flow rates. TOPCART HF filter cartridge housings are made of high-quality stainless steel and are suitable for use with high-flow filter cartridges like Eaton's LOFPLEAT HF filter cartridge, where the best filtration performance is required. These filter cartridge housings are available in 4, 7 and 11-round configurations, combined with special baskets accepting high-flow filter cartridges. Depending on the filter length, the housings are oriented either vertically or horizontally. Sealing is achieved by means of an O-ring between both the filter lid and below the basket.

Features

- 420-series housings:
Vertical design
Parts in contact with product:
Stainless steel 316
Housing connections (inlet and outlet):
Flange 4" 150# with 1" vent, 2" drain, and ½" gauge ports female threaded NPT
- 440, 460, 740, 760, 1140, 1160-series housings:
Horizontal design
Parts in contact with product:
Stainless steel 316
Housing connections (inlet and outlet):
ANSI flanged (see table on next page) with 1" vent, 2x2" drain and ½" gauge ports female threaded NPT
- Filter cartridges in bag style version with 435 O-ring in 20", 40", or 60" length, depending on size
- Maximum permissible operating pressure: 150 psi (10 bar)
- Maximum permissible operating temperature: 250°F (120°C)

Options

- NBR O-ring as standard for cover seal, optionally available in EPDM and FKM

NBR: Nitrile Butadiene Rubber

EPDM: Ethylene Propylene Diene Monomer Rubber

FKM: Fluoro Rubber



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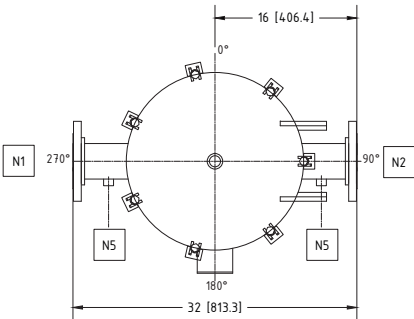


TOPCART™ HF Multi-Filter Cartridge Housings

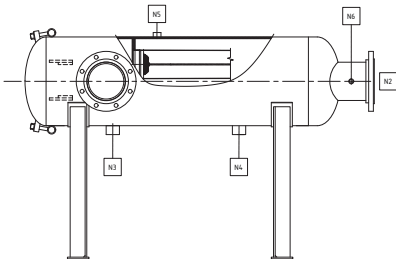
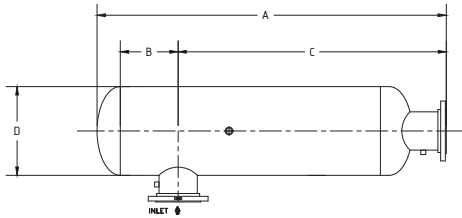
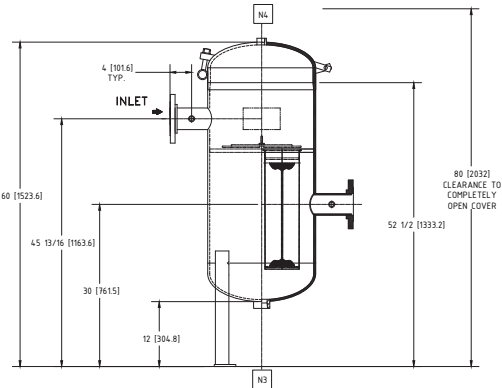
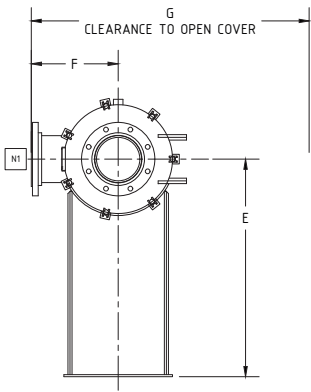
Applications

Coarse filtration > 500 µm	
Medium filtration > 10 µm	✓
Fine filtration < 10 µm	✓
Pre-filtration	✓
Safety filtration	✓
High volume	
Batch filtration	✓
Circuit filtration	✓
Continuous filtration	✓
Solvents, paints	✓
Fats and oils	
Catalyst, activated carbon	✓
Acids, bases	✓
Petrochemicals	
Water, waste water	✓
Chemical industry	✓
Pharmaceuticals	
Metal cleaning	✓
Automotive	
Electronics	✓
Food and beverage	
Paint and lacquer	✓
Water treatment	✓
Galvanic industry	✓

Vertical Design



Horizontal Design



Technical data

Item Number	Housing code	No. of cartridges	Cartridge length	Inlet/outlet flange	Weight lb (kg)
HFCF00004	HFCF-H-440-AB10-080A	4	40	8"	650 (295)
HFCF00005	HFCF-H-460-AB10-080A	4	60	8"	800 (363)
HFCF00006	HFCF-H-740-AB10-100A	7	40	10"	880 (400)
HFCF00007	HFCF-H-760-AB10-100A	7	60	10"	1,040 (472)
HFCF00008	HFCF-H-1140-AB10-120A	11	40	12"	1,260 (572)
HFCF00009	HFCF-H-1160-AB10-120A	11	60	12"	1,480 (672)

Dimensions - inch (mm)

Item Number	A	B	C	D	E	F	G
HFCF00004	78.85 (2,003)	13.07 (332)	60.56 (1,538)	20 (508)	40 (1,016)	16 (407)	53 (1,346)
HFCF00005	98.85 (2,511)	13.07 (332)	80.56 (2,046)	20 (508)	40 (1,016)	16 (407)	53 (1,346)
HFCF00006	88.00 (2,235)	16.50 (419)	65.75 (1,670)	24 (610)	40 (1,016)	18 (457)	63 (1,600)
HFCF00007	108.00 (2,743)	16.50 (419)	85.75 (2,178)	24 (610)	40 (1,016)	18 (457)	63 (1,600)
HFCF00008	94.00 (2,388)	16.50 (419)	69.75 (1,772)	32 (813)	40 (1,016)	24 (610)	84 (2,134)
HFCF00009	114.00 (2,895)	16.50 (419)	89.75 (2,280)	32 (813)	40 (1,016)	24 (610)	84 (2,134)

Dimensions for reference only and approximate. Exact dimensions for installation purposes available on request.