

TOPCART™ Single Filter Cartridge Housings



Single filter cartridge housings for the most demanding applications

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

These single filter cartridge housings are the ideal solution for very demanding applications. 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 with a maximum outer diameter of 71 mm. These filter cartridge housings consist of a housing sump and head and are opened and closed with a V-clamp. Sealing is achieved by means of a NBR O-ring between the housing sump and the head.

Features

- Housing head for inline installation with removable housing sump and V-clamp
- The housing head is electro-polished and the sump is mechanically polished
- Parts in contact with product in stainless steel 1.4408/1.4571 (316/316Ti)
- Housing connections (inlet and outlet) in G ¾" as well as in G 1" female thread DIN ISO 228-1
- Available with drainage (female thread G ⅜" DIN ISO 228-1 with screw plug), as well as without drainage
- Cover connection G ¼" DIN ISO 228-1
- Filter cartridges in double open ended (DOE) design with a maximum outer diameter of 71 mm can be used in lengths of 9 ¾", 10", 19 ½", 20", 29 ¼", 30", 39" or 40"
- Filter cartridges in single open ended (SOE) design with a maximum outer diameter of 71 mm can be used in lengths of 10", 20", 30" or 40"

- Maximum permissible operating pressure: 20 bar
- Maximum permissible operating temperature: 121°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

EATON

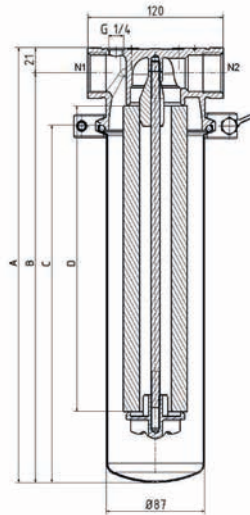
Powering Business Worldwide

TOPCART Single Filter Cartridge Housings

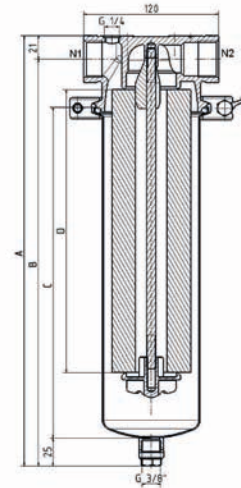
Applications

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	
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	✓

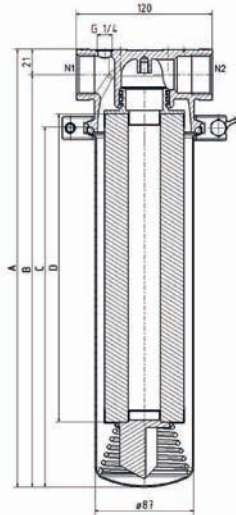
Types



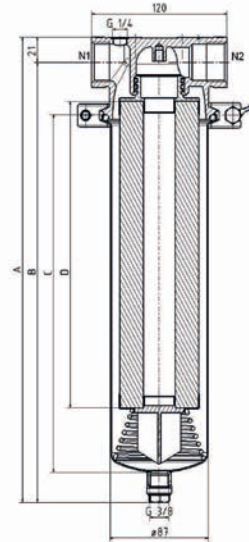
TKF-1(...)-S-¾
TKF-1(...)-S-1



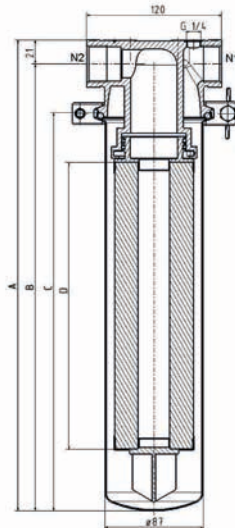
TKF-1(...)-S-¾-A
TKF-1(...)-S-1-A



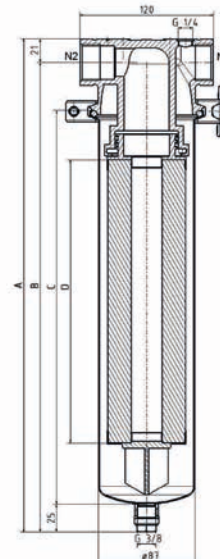
TKF-1(...)-S-¾-222
TKF-1(...)-S-1-222



TKF-1(...)-S-¾-222-A
TKF-1(...)-S-1-A-222-A



TKF-1(...)-S-¾-226
TKF-1(...)-S-1-226



TKF-1(...)-S-¾-226-A
TKF-1(...)-S-1-A-226-A

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Dimensions (mm)

Types	TKF-1(...)-S-¾ TKF-1(...)-S-1	TKF-1(...)-S-¾-222 TKF-1(...)-S-1-222	TKF-1(...)-S-¾-226 TKF-1(...)-S-1-226
A	TKF-110: 361 TKF-120: 618 TKF-130: 875 TKF-140: 1,132	TKF-110: 361 TKF-120: 618 TKF-130: 875 TKF-140: 1,132	TKF-110: 417 TKF-120: 674 TKF-130: 931 TKF-140: 1,188
B	TKF-110: 340 TKF-120: 597 TKF-130: 854 TKF-140: 1,111	TKF-110: 340 TKF-120: 597 TKF-130: 854 TKF-140: 1,111	TKF-110: 396 TKF-120: 653 TKF-130: 910 TKF-140: 1,167
C	TKF-110: 297 TKF-120: 554 TKF-130: 811 TKF-140: 1,068	TKF-110: 297 TKF-120: 554 TKF-130: 811 TKF-140: 1,068	TKF-110: 353 TKF-120: 610 TKF-130: 867 TKF-140: 1,124
D	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016
Types	TKF-1(...)-S-¾-A TKF-1(...)-S-1-A	TKF-1(...)-S-¾-222-A TKF-1(...)-S-1-222-A	TKF-1(...)-S-¾-226-A TKF-1(...)-S-1-226-A
A	TKF-110: 386 TKF-120: 643 TKF-130: 900 TKF-140: 1,157	TKF-110: 386 TKF-120: 643 TKF-130: 900 TKF-140: 1,157	TKF-110: 442 TKF-120: 681 TKF-130: 956 TKF-140: 1,213
B	TKF-110: 365 TKF-120: 622 TKF-130: 879 TKF-140: 1,136	TKF-110: 365 TKF-120: 622 TKF-130: 879 TKF-140: 1,136	TKF-110: 421 TKF-120: 660 TKF-130: 935 TKF-140: 1,192
C	TKF-110: 297 TKF-120: 554 TKF-130: 811 TKF-140: 1,068	TKF-110: 297 TKF-120: 554 TKF-130: 811 TKF-140: 1,068	TKF-110: 353 TKF-120: 610 TKF-130: 867 TKF-140: 1,124
D	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016

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)	Length of filter cartridges (in)	Length of filter cartridges (mm)	Adapter filter cartridges	I/O connections
TKF-1(...)-S-¾	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.9 TKF-120: 4.6 TKF-130: 5.2 TKF-140: 5.8	TKF-110: 9¾ and 10 TKF-120: 19½ and 20 TKF-130: 29¼ and 30 TKF-140: 39 and 40	TKF-110: 248 and 254 TKF-120: 495 and 508 TKF-130: 743 and 762 TKF-140: 991 and 1,016	DOE	G ¾" DIN ISO 228-1
TKF-1(...)-S-1	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.8 TKF-120: 4.4 TKF-130: 5.1 TKF-140: 5.7	TKF-110: 9¾ and 10 TKF-120: 19½ and 20 TKF-130: 29¼ and 30 TKF-140: 39 and 40	TKF-110: 248 and 254 TKF-120: 495 and 508 TKF-130: 743 and 762 TKF-140: 991 and 1,016	DOE	G 1" DIN ISO 228-1
TKF-1(...)-S-¾-222	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.9 TKF-120: 4.5 TKF-130: 5.1 TKF-140: 5.7	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 222	G ¾" DIN ISO 228-1
TKF-1(...)-S-1-222	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.7 TKF-120: 4.4 TKF-130: 5.0 TKF-140: 5.6	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 222	G 1" DIN ISO 228-1
TKF-1(...)-S-¾-226	20	121	TKF-110: 2.1 TKF-120: 3.5 TKF-130: 4.9 TKF-140: 6.4	TKF-110: 4.3 TKF-120: 4.8 TKF-130: 5.4 TKF-140: 6.1	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 226	G ¾" DIN ISO 228-1
TKF-1(...)-S-1-226	20	121	TKF-110: 2.1 TKF-120: 3.5 TKF-130: 4.9 TKF-140: 6.4	TKF-110: 4.2 TKF-120: 4.8 TKF-130: 5.4 TKF-140: 6.1	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 226	G 1" DIN ISO 228-1
TKF-1(...)-S-¾-A	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 4.0 TKF-120: 4.6 TKF-130: 5.3 TKF-140: 5.9	TKF-110: 9¾ and 10 TKF-120: 19½ and 20 TKF-130: 29¼ and 30 TKF-140: 39 and 40	TKF-110: 248 and 254 TKF-120: 495 and 508 TKF-130: 743 and 762 TKF-140: 991 and 1,016	DOE	G ¾" DIN ISO 228-1
TKF-1(...)-S-1-A	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.9 TKF-120: 4.5 TKF-130: 5.1 TKF-140: 5.7	TKF-110: 9¾ and 10 TKF-120: 19½ and 20 TKF-130: 29¼ and 30 TKF-140: 39 and 40	TKF-110: 248 and 254 TKF-120: 495 and 508 TKF-130: 743 and 762 TKF-140: 991 and 1,016	DOE	G 1" DIN ISO 228-1
TKF-1(...)-S-¾-222-A	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.9 TKF-120: 4.4 TKF-130: 5.0 TKF-140: 5.7	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 222	G ¾" DIN ISO 228-1
TKF-1(...)-S-1-222-A	20	121	TKF-110: 1.8 TKF-120: 3.2 TKF-130: 4.4 TKF-140: 5.8	TKF-110: 3.8 TKF-120: 4.4 TKF-130: 5.0 TKF-140: 5.7	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 222	G 1" DIN ISO 228-1
TKF-1(...)-S-¾-226-A	20	121	TKF-110: 2.1 TKF-120: 3.5 TKF-130: 4.9 TKF-140: 6.4	TKF-110: 4.4 TKF-120: 5.0 TKF-130: 5.6 TKF-140: 6.3	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 226	G ¾" DIN ISO 228-1
TKF-1(...)-S-1-226-A	20	121	TKF-110: 2.1 TKF-120: 3.5 TKF-130: 4.9 TKF-140: 6.4	TKF-110: 4.2 TKF-120: 4.9 TKF-130: 5.5 TKF-140: 6.1	TKF-110: 10 TKF-120: 20 TKF-130: 30 TKF-140: 40	TKF-110: 254 TKF-120: 508 TKF-130: 762 TKF-140: 1,016	SOE 226	G 1" DIN ISO 228-1

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