

CONSIEVE® METV TFF CASSETTES AND STAINLESS STEEL HOLDERS

High efficiency Tangential Flow Filtration (TFF) with micro filtration PVDF cassette membranes, holders, and systems

CONSIEVE® METV TFF CASSETTES, AND STAINLESS STEEL HOLDERS

Consieve® METV Tangential Flow Filtration (TFF) Cassette membranes have high retention efficiency and are easy to clean/install. The cassettes are available in a wide range of configurations. Due to their design, it is easy to amplify/increase cassette stacking to meet specific process requirements. The inner gaskets make installation/cleaning/storage/replacement quick and easy. The configurable low working volume and high efficiency ensure cost-effective product yields.

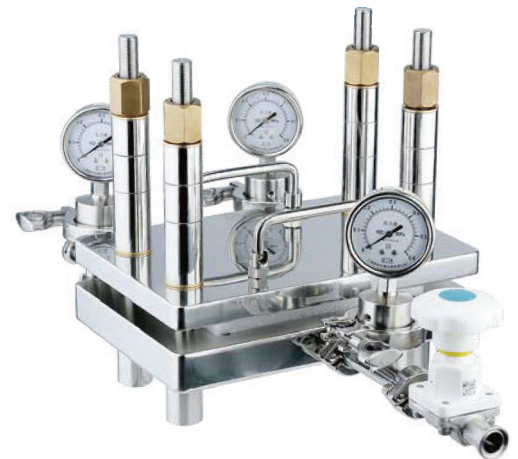
Stainless steel holders and complete custom systems enable use of the TFF cassettes to meet a multitude of process and application requirements.



SPECIFICATIONS

Membrane	PVDF
Material Features	Low protein binding and high product yield with superior flow rates.
PH Range	Broad chemical compatibility: pH 2-11
Pore Size	0.1/0.2/0.45/0.65 µm
Operating Temperature Range	4 - 50°C
Max. Operating Pressure	0.6 MPa (6.0 bar, 87 psi) at 25°C

TYPES	AVAILABLE SIZES	APPLICATIONS	NOTES
LA (Lab)	0.11 m ²	R&D, Pilot Production	Membrane Cassette; Stainless Steel Holder required
FL (Flow)	0.5 cm ² 2.5 m ²	Pilot Production, Large Scale Production Pilot Production, Large Scale Production	



CONSIEVE METV TFF CASSETTES - ORDERING INFORMATION

EXAMPLE: **MFDFLVM10250P** = PVDF, Large Scale Format, 0.1 μm , 2.5 m^2

MF **D**
Micro Filtration
Membrane
D = PVDF

V
Format
LA = Lab, Pilot Production
FL = Flow, Pilot Production,
 Large Scale Production

Pore Size
M10 = 0.1 μm
M20 = 0.2 μm
M45 = 0.45 μm
M65 = 0.65 μm

P
Effective Filtration Area
LA Format:
010 = 0.1 m^2
FL Format:
050 = 0.5 m^2
250 = 2.5 m^2

LA Format

010



FL Format

050



250



Filtration Area	0.1 m^2	0.5 m^2	2.5 m^2
Thickness	17 mm	17 mm	84 mm
Width	56 mm	172 mm	172 mm
Length	205 mm		
Flow Path Length	172 m		
Feed/Retention Port Dia.	11.7 m		
Permeate Port Dia.	66 m		

TFF SYSTEMS

Cobetter is able to design TFF systems based on customer specifications and requirements for pilot labs and process systems.



CONSIEVE STAINLESS STEEL HOLDERS - ORDERING INFORMATION

EXAMPLE: **H-CFH01ST15SAXP** = 0.1m², 316L, 3/4" Tri Clamp, with silicone seals, mirror polish, and design pressure of 0.6 Mpa

H-CFH



Effective Filtration Area

01 = 0.1 m² (LA Format)

05 = 0.5 m² (FL Format)

S

Filter Plate Material

S = 316L



I/O

T15 = 1/2" Tri Clamp (DN15)

T20 = 3/4" Tri Clamp (DN20)

T38 = 1.5" Tri Clamp (DN38)

S

Seals

S = Silicone

A

Surface Finish

A = Mirror Polish

X

Design Pressure

X = 0.6 Mpa (87 psi)

P

Application

P = Pharmaceutical

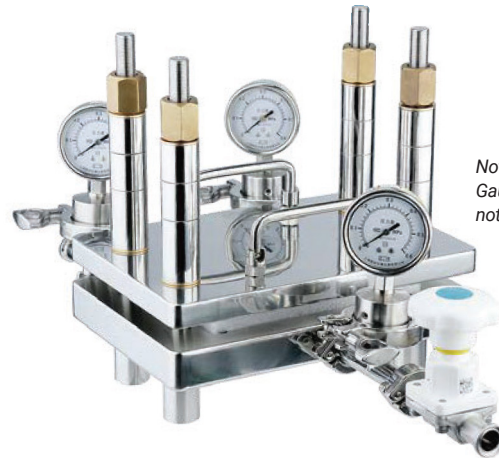


SIZE A HOLDER

Holds Cassettes Sizes: LA Format 001 & 010

Weight: 5 kg (11 lb)

Note: Can hold up to 5, 010 (0.11m²) units.



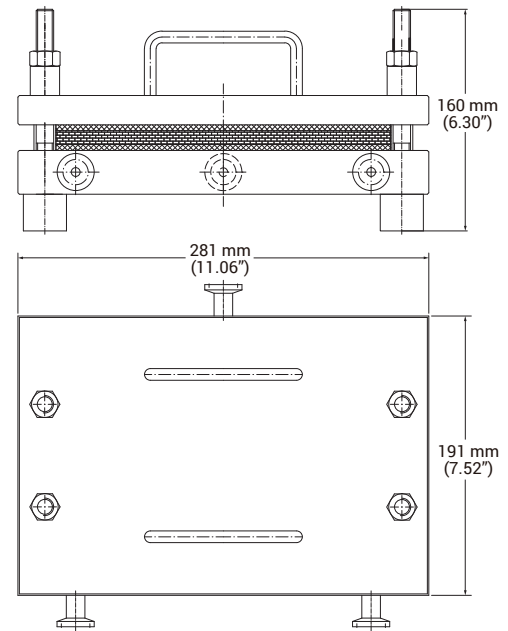
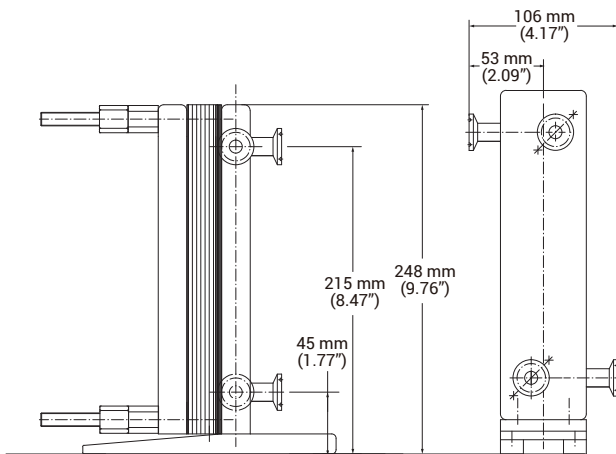
Note:
Gauges and valves
not included

SIZE B HOLDER

Holds Cassettes Sizes: FL Format 050 & 250

Weight: 24 kg (53 lb)

Note: Can hold up to 5, 050 (0.46m²) units.



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