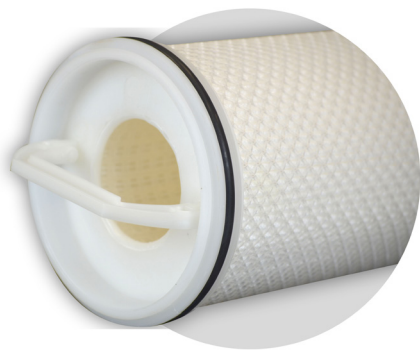


# TORRENT™ 600 SERIES



## Cost Effective Filtration

FTC introduces its Torrent 600 Series High Flow filters. Torrent high flow filters are designed to meet the wide-range of solids removal needs in fluid processing industries. Many applications require higher flux rates, which require a unique cartridge design. Torrent high flow filters are engineered to deliver low pressure drops and high dirt loading capacity. These filters are ideal for low viscosity fluids and low solids loading fluids where higher flux rates are acceptable. They are also recommended for standard fluids and solids loading applications where inside-to-outside flow is desired.

The Torrent 600 Series High Flow element is designed to fit inside existing housings without housing modification in addition to FTC's Torrent 600 Series vessels.

## Benefits

- Significantly greater dirt holding capacity than traditional inside to outside flow filter elements
- Design allows for easy installation and extraction resulting in an operator friendly element
- As a result of the inside to outside flow path, all filtered contaminant is contained inside the element for clean disposal
- O-ring seal to ensure positive capture of contaminants
- Absolute rated media with fixed pore structure prevents particle unloading and provides reliable results in critical applications
- Superior methods of construction combined with excellent quality control, ensure FTC High Flow cartridges will provide quality filtration in difficult operating conditions
- Liquid or gas applications
- Designed with a folding handle to minimize flow restrictions

## Common Applications

- Water, Pre-RO Water, Seawater, Wastewater, Process Fluids, Acids, Bases, Hydrocarbons, Brines, Fuels, Organic Solvents, LNG, LPG, Gas Condensate

## Dimensions

Outside Diameter..... 6.00"  
 Inside Diameter .....3.00"  
 Length..... 20", 40", and 60"

## Materials of Construction

Filter Media..... Polypropylene, Cellulose, Nylon  
 Micro-fiberglass and Polyester  
 Center Core..... Polypropylene or Polyester  
 Netting ..... Polypropylene, Nylon and Tinned Steel  
 or Stainless Steel Can Body  
 End Caps..... Polypropylene, Acetal, Nylon,  
 Tinned Steel and Stainless Steel

## PRODUCT SPECIFICATIONS

Micron Ratings @ 99.98% (beta 5000): 0.5, 2, 5, 10, 20, 40, 70, 100 and 135 micron

Maximum Operating Conditions: 185°F (85°C) continuous operating temperature; higher temperature options available

Recommended Flow Rate for Optimal Dirt Loading: 75 GPM per 60" filter

Maximum Recommended Flow Rate: 500 GPM per standard 60" filter

Recommended Differential Pressure for change-out: 35 PSID

## MEDIA MICRON RATING AT EFFICIENCY

FILTER MODEL	600	601	603	605	607	608	609	610	611
99.00% (beta 100)	0.3	1	2	5	10	25	40	70	100
99.98% (beta 5000)	0.5	2	5	10	20	40	70	100	135

## DIRT HOLDING CAPACITY (LBS)\* per standard 40" filter

FILTER MODEL	600	601	603	605	607	608	609	610	611
Pounds of Solids	12.2	15.5	18.2	18.7	20.4	22.5	24.0	26.1	27.5

## CLEAN PRESSURE DROP (PSID)\* per standard 40" filter

FILTER MODEL	600	601	603	605	607	608	609	610	611
PSID @ 100 GPM	1.06	0.65	0.54	0.46	0.38	0.33	0.23	0.20	0.17
PSID @ 200 GPM	1.27	0.88	0.67	0.50	0.44	0.41	0.34	0.28	0.25
PSID @ 400 GPM	3.22	2.31	1.99	1.77	1.59	1.48	1.30	1.21	1.13
PSID @ 500 GPM	4.04	3.30	2.85	2.61	2.18	2.03	1.87	1.76	1.65

Data based on Filtration Technology Corporation Research and Development Center's standard test procedure. The reported data is based on the polypropylene filter models.

## CARTRIDGE CODING

Use the chart below to create cartridge part number for ordering. Please include dashes when creating part numbers.

	Torrent 600 Series High Flow	Micron Rating @ 99.98%	Non-Media Components	Media	Length	End Cap Style	O-Ring
EXAMPLE	DPU	600	P	P	40	P	E
OPTIONS		<b>600</b> = 0.5 Micron <b>601</b> = 2 Micron <b>603</b> = 5 Micron <b>605</b> = 10 Micron <b>607</b> = 20 Micron <b>608</b> = 40 Micron <b>609</b> = 70 Micron <b>610</b> = 100 Micron <b>611</b> = 135 Micron	<b>*P</b> Polypropylene <b>N</b> Nylon <b>M</b> Carbon Steel <b>S</b> 304 Stainless <b>L</b> Acetal	<b>C</b> Cellulose <b>G</b> Glass <b>P</b> Polypropylene <b>R</b> Polyester <b>N</b> Nylon	<b>2</b> - 20" <b>4</b> - 40" <b>6</b> - 60"	<b>P</b> High Flow	<b>B</b> Buna-N <b>E</b> EPDM <b>V</b> Viton® <b>S</b> Silicone <b>T</b> TEV

\* The raw polypropylene materials composing these filters are FDA compliant according to CFR Title 21

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