DPU 600 HIGH-FLOW SERIES FILTERS

Series Code DPU-600-001-10-12

COST EFFECTIVE FILTRATION

FTC introduces its DPU-600 High Flow Series. It was originally designed for low solids applications requiring high flow rates, but it is a great option for almost any application.

The unique design of this pleated element provides a large effective filter surface area within the space constraints of a standard 6” cartridge diameter while flow is maximized through the use of a large ID.

The DPU-600 High Flow Series element is designed to fit inside existing housings and provide an positive o-ring seal without housing modification

BENEFITS

- *Significantly greater dirt holding capacity than standard bag filters.*
- *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.*

COMMON APPLICATIONS

- *Fuels, NGLs, LPG, Pipeline Pigging, Pre-RO, Completion Fluids, Brines, Produced Water, Disposal Water*

DIMENSIONS

Outside Diameter:	6.00”
Inside Diameter:	3.00”
Length:	20”, 40” and 60”

MATERIALS OF CONSTRUCTION

Filter Media:	Cellulose, Polypropylene, Glass, Nylon and Polyester
Center Core:	Polypropylene and Polyester
Netting:	Polypropylene, Nylon and Tinned Steel, Stainless Steel or Aluminum 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, 30, 40, 70, 100
and 135 Micron

Maximum Operating Conditions:
185°F (85°C) Continuous Operating Temp

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

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

Maximum Recommended Differential Pressure:
35 PSID

Data based on Filtration Technology Corporation Research and Development Center's standard test procedure, a modified version of ISO 19438. The procedure uses ISO Standard test dust and deionized water as the challenge slurry. The reported data is based on polypropylene elements.

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 60" length

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 60" length

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

CARTRIDGE CODING

DPU	-	600	-	P	P	40	P	E
HIGH FLOW SERIES		MICRON RATING 99.98%		NON-MEDIA COMPONENTS	MEDIA	LENGTH	END CAP	SEAL MATERIAL
		600 - 0.5 Micron		***P** - Polypropylene	**C** - Cellulose	**20** - 20"	**P** - High Flow	**B -** Buna
		601 - 2 Micron		**M -** Carbon Steel	**G** - Glass	**40** - 40"		**E -** EPDM
		603 - 5 Micron		**S -** 304 Stainless	**N** - Nylon	**60 -** 60"		**V -** Viton®
		605 - 10 Micron		**N** - Nylon	**P** - Polypropylene			**S -** Silicone
		607 - 20 Micron		**L -** Acetal	**R** - Polyester			**T** - TEV
		608 - 40 Micron						
		609 - 70 Micron						
		610 - 100 Micron						
		611 - 135 Micron						

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

SERIES CODE DESCRIPTIONS
P – 100% FDA Polypro Components except O-Ring seal, Thermally Bonded End Caps (Standard)
N – Nylon End Caps. Carbon Steel Can Body, High Temperature Epoxy
L – Acetal End Caps, Nylon Outer Netting, Thermally Bonded End Caps
M – Carbon Steel End Caps, Carbon Steel Can Body, High Temperature Epoxy
S – 304 SS End Caps, Stainless Steel Can Body, High Temperature Epoxy

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