



EMAIL: FILTRATION@JOHNBROOKS.CA

DPU 600 HIGH-FLOW SERIES FILTERS

DPU-600-002-05-15

COST EFFECTIVE FILTRATION

HART 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 HART 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 HART High Flow cartridges will provide quality filtration in difficult operating conditions.
- Liquid or gas applications

COMMON APPLICATIONS

- Water and Wastewater, Process Fluids, Acids, Bases, Hydrocarbons, Brines, Fuels, Organic Solvents, NGLs, LPG, Gas Streams

DIMENSIONS

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



MATERIALS OF CONSTRUCTION

Filter Media: Cellulose, Polypropylene, 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

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)* *Based on standard 60" filter element*

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)* *Based on standard 60" filter element*

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
	600 - 0.5 Micron 601 - 2 Micron 603 - 5 Micron 605 - 10 Micron 607 - 20 Micron 608 - 40 Micron 609 - 70 Micron 610 - 100 Micron 611 - 135 Micron	*P - Polypropylene N - Nylon M - Carbon steel S - 304 Stainless L - Acetal	C - Cellulose G - Glass *P - Polypropylene R - Polyester N - Nylon	2 - 20" 4 - 40" 6 - 60"	P - High flow	B - Buna-N E - EPDM V - Viton® S - Silicone T - TEV

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*

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

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