



W041

Max Flow: 300 gpm (1135 lpm)

W041 In-Line Cartridge Filters

Working Pressures to: 500 psi
3450 kPa
34.5 bar

Rated Static Burst to: 1500 psi
10,342 kPa
103.5 bar

Flow Range To: 300 gpm
1135 lpm



Applications

- Fluid Conditioning Systems
- In-Plant Systems
- Lube Oil Systems

Features

The W041 high flow filter combines the best features of a base-mounted assembly; several inlet port options, top cover filter servicing for ease of maintenance and a wide selection of service indicators. The W041 all-aluminum head design and plated steel cylinder provides a strong, durable, and dependable unit. We offer standard features like deep pleat filters for higher dirt holding capacity and our standard Donaldson DT 4-layer media filter construction. This technology, combined with many other standard features, is ideal for today's applications in pulp and paper, power generation and steel mill applications. Five standard grades of media are offered. Thermal lockout and surge control are two key features incorporated in many of the differential pressure indicators.

- Large T-handle for fast servicing without tools
- Wide range of indicator options
- Two filter length options for design flexibility
- Base material: aluminum
- Cylinder material: steel
- Cover material: cast iron
- Two drain plugs in base
- Bleed/fill plug in cover

Beta Rating (per ISO 16889)

- Performance to $\beta_{<4(c)} = 1000$

Porting Size Options

- 2" or 2½" SAE 4-Bolt Flange Code 61

Replacement Filter Lengths

- 16.74" / 425.3 mm
- 38.62" / 980.9 mm

Filter Collapse Ratings

- 150 psid / 1034 kPa / 10.3 bar (standard)

Housing Weight

- 16.74": 48.5 lbs / 22.0 kg
- 38.62": 86.2 lbs / 39.2 kg

Operating Temperatures

- -20°F to 250°F / -29° to 121°C

Standard Bypass Ratings

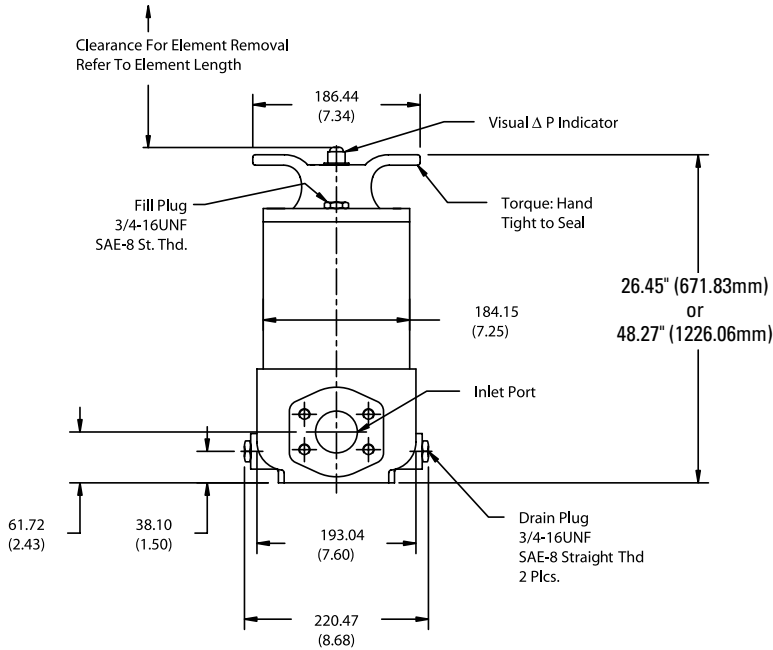
- 50 psi / 345 kPa / 3.5 bar



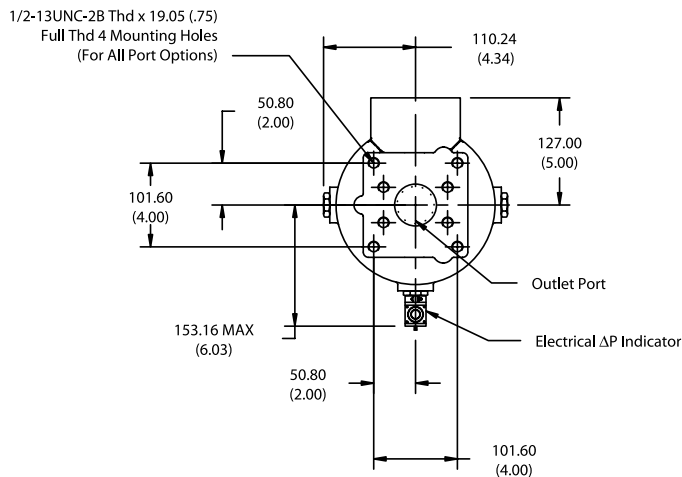
W041 Specification Illustrations

All dimensions are shown in millimeters [inches].

Assembly - Side View



Head - Bottom View





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W041 Components

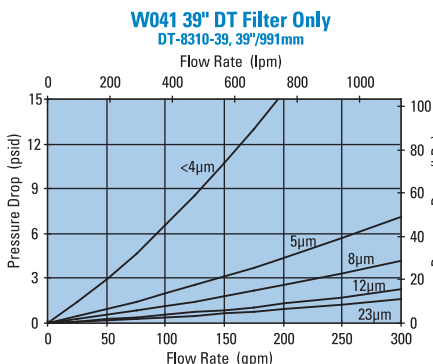
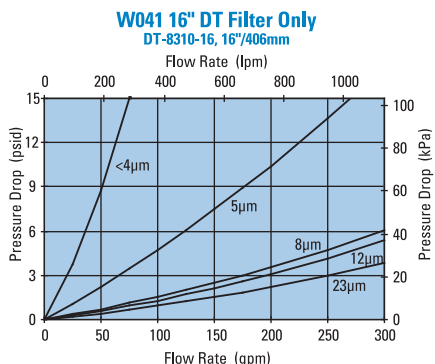
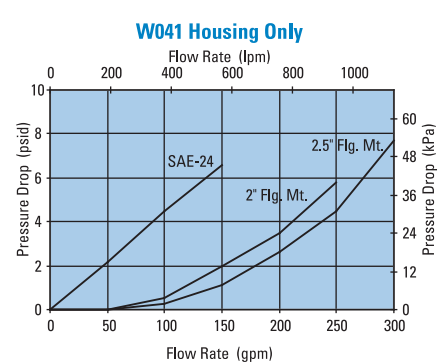
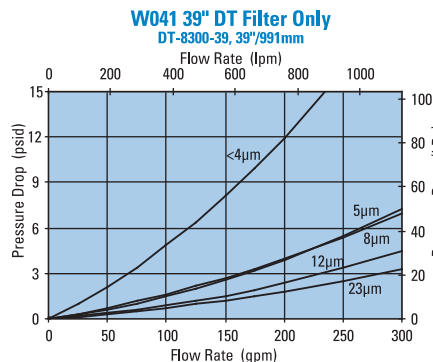
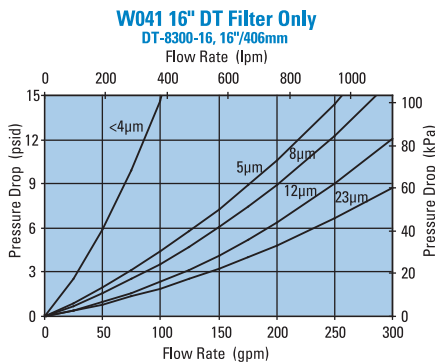
High-Performance DT Filter Choices

Media Type	$\beta_{xlc} = 1000$ Rating based on ISO 16889	Length		Donaldson	Comments
		in	mm	Part No.	
DT Synteq	<4 μ m	16.74	425	P566239	DT-8300-16-2UM
Synthetic	5 μ m	16.74	425	P566240	DT-8300-16-5UM
	8 μ m	16.74	425	P566241	DT-8300-16-8UM
	12 μ m	16.74	425	P566242	DT-8300-16-14UM
	23 μ m	16.74	425	P566243	DT-8300-16-25UM
	<4 μ m	38.62	981	P566244	DT-8300-39-2UM
	5 μ m	38.62	981	P566245	DT-8300-39-5UM
	8 μ m	38.62	981	P566246	DT-8300-39-8UM
	12 μ m	38.62	981	P566247	DT-8300-39-14UM
	23 μ m	38.62	981	P566248	DT-8300-39-25UM
	<4 μ m	16.10	409	P566249	DT-8310-16-2UM
	5 μ m	16.10	409	P566250	DT-8310-16-5UM
	8 μ m	16.10	409	P566251	DT-8310-16-8UM
	12 μ m	16.10	409	P566252	DT-8310-16-14UM
	23 μ m	16.10	409	P566253	DT-8310-16-25UM
	<4 μ m	37.94	964	P566254	DT-8310-39-2UM
5 μ m	37.94	964	P566255	DT-8310-39-5UM	
8 μ m	37.94	964	P566256	DT-8310-39-8UM	
12 μ m	37.94	964	P566257	DT-8310-39-14UM	
23 μ m	37.94	964	P566258	DT-8310-39-25UM	
Water Absorbing	10 μ m	37.94	964	P578277	

Filter Notes

All Donaldson DT filters utilize glass fiber media with an epoxy-based resin system for the ultimate in chemical compatibility. All Donaldson DT filters are potted and seam-sealed with epoxy-based adhesives. Standard collapse designs are double wire-backed using epoxy-coated steel mesh for maximum pleat support and dirt capacity. Extended life designs are double wire-backed using epoxy-coated steel mesh. Viton® seals are standard on all Donaldson DT filters. Viton® is a registered trademark of E. I. DuPont de Nemours and Company.

Performance Data



Filter Assembly Choices

Size	Rating	Material	Indicator Port	Housing Length	Assembly Length	Part No.
2" SAE 4 Bolt Flange Code 61	50 psi / 3.45 bar	Viton	Port Machined & Plugged	16" (406.4mm)	26.45" (671.8mm)	P574218
2-1/2" SAE 4 Bolt Flange Code 61	50 psi / 3.45 bar	Viton	Port Machined & Plugged	39" (990.6mm)	48.27" (1226.1mm)	P574219
2" SAE 4 Bolt Flange Code 61	50 psi / 3.45 bar	Viton	Port Machined & Plugged	39" (990.6mm)	48.27" (1226.1mm)	P575920
2-1/2" SAE 4 Bolt Flange Code 61	50 psi / 3.45 bar	Viton	Port Machined & Plugged	16" (406.4mm)	26.45" (671.8mm)	P575921

Indicator Choices

Indicator Pressure Setting	Connector Style	Seal Material	Donaldson Part No.	Thermal Lockout	Surge Control	Reset
Visual Pop-up Models						
35 psi / 241 kPa	NA	Buna-N	P572347	No	No	Auto
35 psi / 241 kPa	NA	Buna-N	P572348	Yes	Yes	Manual
35 psi / 241 kPa	NA	Viton	P567456	Yes	Yes	Manual
Electrical / Visual Models						
35 psi / 241 kPa	Hirschman	Buna-N	P572327	No	No	Auto
35 psi / 241 kPa	Brad Harrison	Buna-N	P572329	No	No	Auto
35 psi / 241 kPa	Hirschman	Buna-N	P572384	Yes	Yes	Manual
35 psi / 241 kPa	Hirschman	Viton	P567458	Yes	Yes	Manual
35 psi / 241 kPa	Brad Harrison	Buna-N	P572385	Yes	Yes	Manual
35 psi / 241 kPa	3 wire flying leads	Buna-N	P572349	No	No	Auto
Electrical Models						
35 psi / 241 kPa	Hirschman	Buna-N	P572359	No	No	Auto
35 psi / 241 kPa	Brad Harrison	Buna-N	P572361	No	No	Auto

Head/Bowl/Housing Seal Kits

Donaldson Part No.	Material
X011156	Buna
X011157	Viton