

Heavy-Duty Diesel PreCare Duplex Filter

HDPD

Applications



INDUSTRIAL



MOBILE
VEHICLES



MARINE



AGRICULTURE



BULK FUEL
FILTRATION

up to **476 gph**
up to **1800 lph**

14.5 psia
1 bar absolute

Suction Side Application

Application Introduction:

The Reason for Better Engine Filtration

The Heavy-Duty Diesel PreCare Duplex Filter is an advanced system for diesel pre-filtration which protects equipment OEMs and operators from costly service calls and downtime. The duplex configuration consists of an assembly with multiple filter housings, which are connected by a change-over ball valve with a simple, single lever operation. The HDPD is available in the familiar BC (manual drain) or HT (auto drain) version.



Model No. of filter in photograph is:
HDPD KF1 600 BC1 xx W 1.1 /-AS1-PH3

Features and Benefits

- Simple, single-lever change-over ball valve for seamless operation and service
- Manual or fully automatic Water-In-Fuel (WIF) sensor
- Optional fuel pre-heater and water sensor
- Small envelope size offers greater flexibility in mounting locations
- Low investment cost due to the economical design
- Long service life of the element yields low operating costs
- Easy installation due to various porting configurations
- Easy adaption to the on-board power supply
- Unsurpassed water removal for ULSD

HDPD

Flow Rating: up to 476 gph (up to 1800 lph)

Operating Pressure: 14.5 psia, (<1 bar absolute) suction side application

Temperature Range: BC: -40°F to 194°F (-40°C to 90°C)
HT: -4°F to 194°F (-20°C to 90°C)
*for extended ranges, contact factory

Nominal Voltage: 24V DC (12V DC is optional for heater or water sensor)

Rated Power Fuel Preheating: 300W

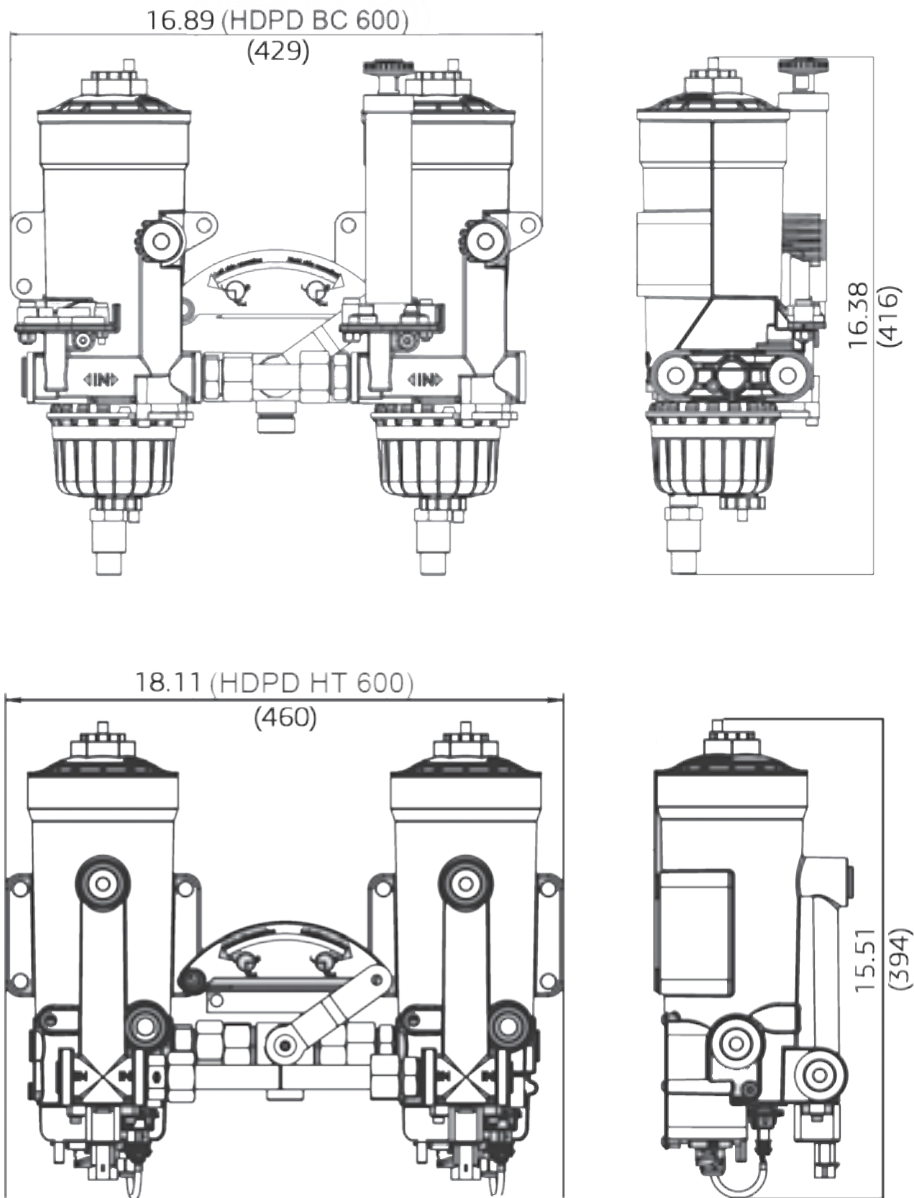
Weight: contact factory for your specific model code weight

Water Separation Efficiency: >95% to ISO CD 16332

Porting Thread: 340 BC: M22x1.5
600 BC: M27x2.0, SAE - 12 ORB (optional)
600 HT: G 3/4" (BSPP)

Filter Housing Specifications

Heavy Duty Diesel PreCare Duplex Filter



Metric dimensions in (). Installation instructions included on element
Dimensions shown are inches (millimeters) for general information and overall envelope size only.
For complete dimensions please contact Schroeder Industries to request a certified print.

Note: for dimensions of other configurations, please contact the factory

Note: for marine applications requiring filter housings constructed of ductile iron, please contact the factory

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Particulate Element	Filtration Ratio Per ISO 19438	Dirt Retention Per ISO 19438
	n > 10 µm (c)	to DP
10 µm	> 99%	300 mbar m > 42g

Coalescing Element	Suction Side Coalescing Per ISO CD 16332	
	Max Flow	Single Pass Water Removal Efficiency
10 µm	158 gal/h	> 95%

Flow Direction: Outside In
 Element Nominal Dimensions: 3.8" (95.6 mm) O.D. x 7.0" (177.2 mm) long - 340 Size
 3.8" (95.6 mm) O.D. x 9.4" (238.2 mm) long - 600 Size

Note: For additional HDP performance information, please contact the factory

Fuel Oils

- ULSD15 and similar petroleum diesels
- Biodiesel blends
- Synthetic diesel and blends

Note: For Flow and Pressure information, please contact the factory

Size	Evolution Stage	Filtration Rating	Filter Material
0340	BC1	7 = 7 µm	KF1
0600	HT1	10 = 10 µm	
		30 = 30 µm	

Element Particulate Performance Information

Element Water Coalescing Performance Information

Note:
 Based on Diesel Fuel Type A, Water Concentration: 1500 ppm

Fluid Compatibility

HDPD

Replacement Elements

Highlighted product eligible for **QuickDelivery**

Heavy Duty Diesel PreCare Duplex Filter

Filter Model Number Selection

How to Build a Valid Model Number for a Schroeder HDPD Housing Supplied w/ Element:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9
HDPD							.	/-

Example: NOTE: Only box 9 may contain more than one option

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9	
HDPD	KF1	600	HT1	10	A	1	.	X	/-
									= HDPD KF1 600 HT1 10 A 1.X /-AS1

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5
Filter Series	Filter Material	Size	Evolution Stage	Filtration Rating
HDPD	KF1 = Dieselmicron®	340 = 90 gph 600 = 160 gph 1200 = 317 gph 1800 = 476 gph	BC1 = Manual Drain Configuration HT1 = Auto Drain Configuration	7 = 7 µm 10 = 10 µm 30 = 30 µm

BOX 6	BOX 7	BOX 8	BOX 9
Type of Clogging Indicator	Type Code	Modification Number	Options
W = no clogging indicator (340 & 600 BC only) A = blanking plug in indicator port (600 HT only) UED = vacuum gauge (600 HT only)	1	X = latest version number always supplied	AS1 = w/ integrated water sensor (12/24 VDC) *standard on 600 HT H1 = w/integrated fuel pre-heating (12 VDC) H2 = w/ integrated fuel pre-heating (24 VDC) PH3 = Hand priming pump (600 BC only) Omit = None

NOTES:

The HDPD will have the number of housings needed to support the flow rate specified on each side (ex. HDPD 1200 = 2x HDP 600 left side & 2x HDP 600 right side)