

Heavy-Duty Diesel PreCare Duplex Filter

HDPD

Applications



INDUSTRIAL



MOBILE VEHICLES



MARINE



AGRICULTURE



BULK FUEL FILTRATION

up to **476 gph**^{CF}
up to **1800 lph**^F

14.5 psia ^{BDA}
1 bar absolute ^{BDA}
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

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)

QCF

BDS

BDS2

BDS3

BDS4

LVH-F

LVH-C

BDFC

BDC

HDP

HDPD

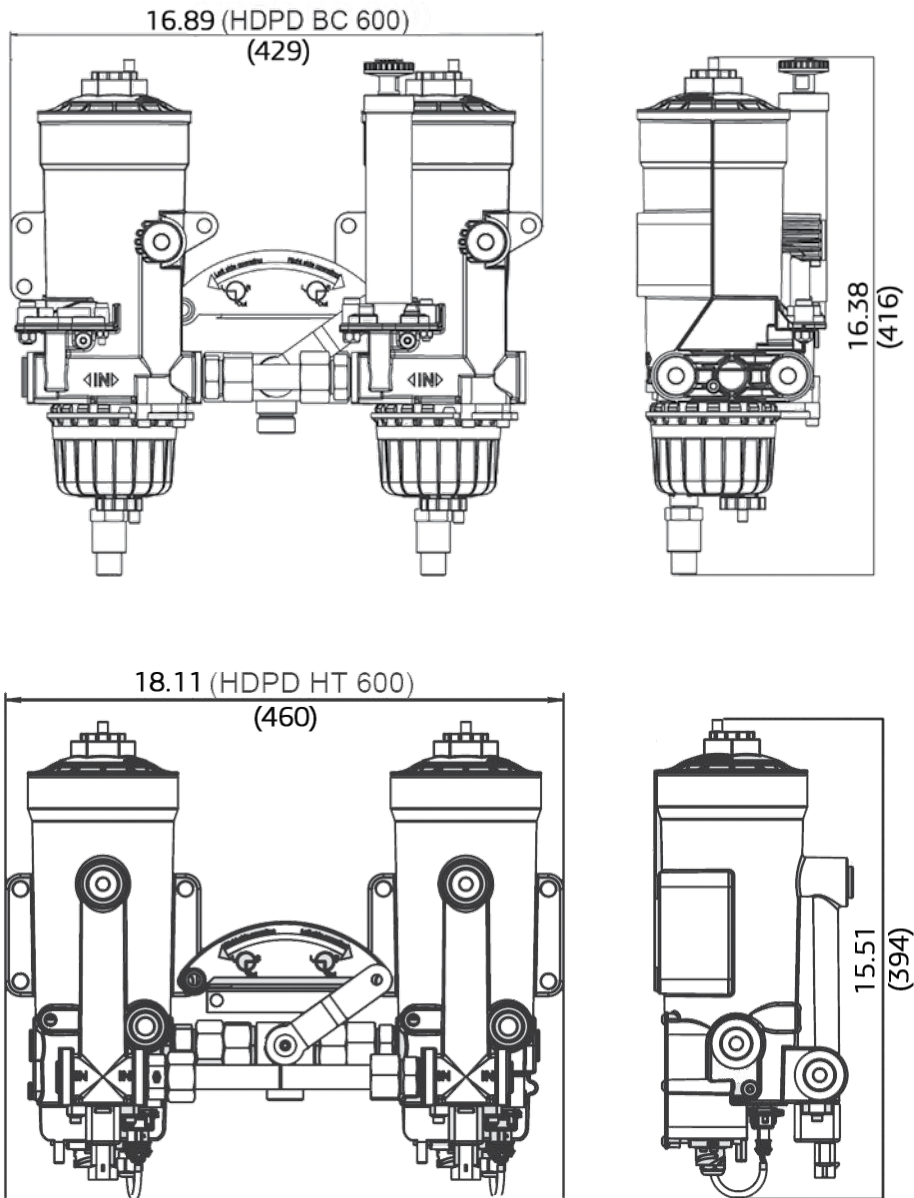
EPM

EPTT

EWU

BCC

Filter Housing Specifications



Metric dimensions in (). Installation instructions included on element

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	
	n > 10 µm (c)	Dirt Retention Per ISO 19438 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

Replacement Elements

Highlighted product eligible for **QuickDelivery**

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 = Dieselmicon®	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)