

HDPD-BC Series

Heavy-Duty Diesel PreCare Duplex Filter
14.5 psia • up to 476 gph



Model No. of filter in photograph is:
HDPD KF1 600 BC1 10 UED 1.1/-PH3

Description

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.

Features

- 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

Technical Specifications

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) *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)

ON-BOARD FUEL FILTRATION PRODUCTS

Model Code (also order example) **HDPD KF1 600 BC1 10 UED 1 . X / -AS1-H2-PH3**

Filter Series = HYDAC Diesel PreCare, Duplex

Filter Material = Dieselmicron®

Size
 340 = 90 gph (340 lph)
 600 = 160 gph (600 lph)
 1200 = 317 gph (1200 lph)
 1800 = 476 gph (1800 lph)

Evolution Stage
 BC1 = Manual Drain Configuration HT1 = Auto Drain Configuration

Filtration Rating
 7 = 7 µm 10 = 10 µm 30 = 30 µm

Type of Clogging Indicator
 W = No Clogging Indicator (BC1 only)
 A = Blanking Plug In Indicator Port (HT1 only)
 UED = Vacuum Gauge (HT1 only)

Type Code
 1

Modification Number
 X = Latest version number always supplied

Options
 -AS1 = Water-In-Fuel Sensor (12/24 VDC) (standard on 600 HT1)
 -AS3 = Cummins® Ready Water-In-Fuel Sensor
 -H1 = Fuel Pre-Heater (12 VDC)
 -H2 = Fuel Pre-Heater (24 VDC)
 -PH3 = Hand Priming Pump (600 BC1 only)

Porting
 Omit = M22 x 1.5 (340 size)
 M27 x 2.0 (600 size)
 -08 = SAE -08 ORB (340 size only)
 -12 = SAE -12 ORB (600 size only)

Bowl Material
 Omit = Polyamide Bowl
 -ALU = Aluminum Bowl

Notes: For other options or configurations not listed, please contact factory

Element Particulate Performance

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

Element Water Coalescing Performance

Coalescing Element	Suction Side Coalescing Per ISO CD 16332	
	Max Flow	Single Pass Water Removal Efficiency
10 µm	160 gal/h	> 95%

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

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

Fuel Oils

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

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

Replacement Elements

Size	Evolution Stage	Filtration Rating	Filter Material
0340	BC1	007	KF1
0600		010	
		030	

HDPD	340 BC	600 BC	1200 BC	1800 BC
Weight incl. element lbs. (kg)	19.8 (9.0)	24.3 (11.0)	43.2 (19.6)	66.1 (30)

For drawing of configurations, contact factory