On-Board Diesel Fuel Coalescing Filter HDP 240

Applications

INDUSTRIAL | MOBILE VEHICLES | MARINE | AGRICULTURE | BULK FUEL FILTRATION

Application Introduction:

The Reason for Better Engine Filtration

Mobile machines and commercial vehicles are subject to the toughest working conditions. To ensure smooth operation of vehicles, and to protect both the engine and exhaust aftertreatment from damage, optimum diesel fuel conditioning is particularly important. The new HDP 240 BC expands the Schroeder Industries product portfolio in the field of fuel filtration on modern diesel engines. While formerly a flow volume from 90 to 476 gph (340 to 1800 lph) has been covered, this new product complements the lower engine power range with fuel system flow rates up to 63 gph (240 lph).

Model No.: HDP KF1 240 BC1 xx W 1.1 /-AS16-H3L-PH4R-DLO-TR

Model No.: HDP KF1 240 BC1 xx W 1.1 /-AS16-PH4L-DOO

Features and Benefits

- Our new 63 gph fuel filter is designed with compact off-highway equipment in mind
- Our high performance, dual function diesel filtration and water separation uses the same two-stage element design found in our larger filters
- Dual function: Diesel filtration and water separation through the two-stage element designs
- High performance stability due to an efficient water separation on clean side over the entire service life
- Simple and fast element replacement makes servicing the HDP 240 easy
- Easy installation and flexibility due to various porting configurations options
- Guaranteed quality as the filter can only be operated with use of quality replacement elements
- Modular porting, priming pump, and heater options make for easy installation and servicing in tight spaces

Part of Schroeder Industries' Energy Sustainability Initiative

Options Available

- Transparent or black bowl
- Fuel pre-heater
- Water-in-fuel sensor (necessary with black bowl)
- Hand priming pump
- Various Inlet/Outlet port configuration options (consult factory for special requests)

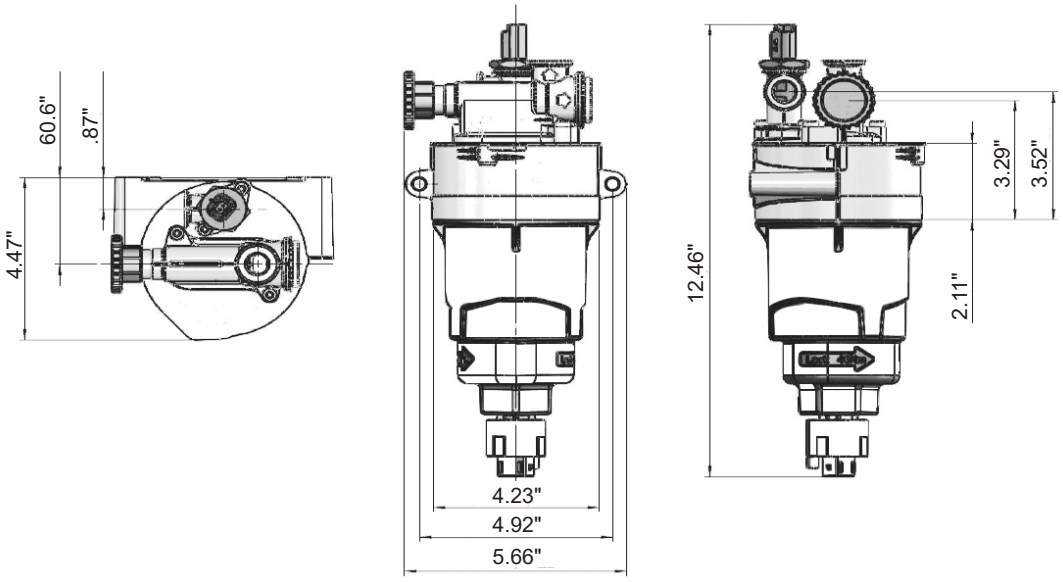
Filter Housing Specifications

Flow Rating:	up to 63 gph (up to 240 lph)
Operating Pressure:	<14.5 psia, (<1 bar absolute) suction side application
Temperature Range:	-40°F to 194°F (-40°C to 90°C)
Nominal Voltage:	WIF: 12/24VDC Heater: 12VDC
Fuel Preheater Rated Power:	175W
Weight of incl. Element:	240 BC: approx. 2.7 lbs (1.2 kg.)
Water Separation Efficiency:	>95% to ISO CD 16332
Porting Thread:	M16 x 1.5 SAE-06 J1926 ORB

up to 63 gph
up to 240 lph
<14.5 psia
<1 bar absolute
Suction Side Application

HDP 240 On-Board Diesel Fuel Coalescing Filter

HDP KF1 240 BC1



Metric dimensions in ( ).
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.

Filter Model Number Selection

Highlighted product eligible for QuickDelivery

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

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8		BOX 9	BOX 10	BOX 11	BOX 12	
HDP							.	/–		–	–		= HDP KF1 240 BC1 7 W 1.X /-DLO-TR

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	BOX 10	BOX 11	BOX 12	
HDP	KF1	240	BC1	7	W	1	. X	/–		–DLO	– TR		= HDP KF1 240 BC1 7 W 1.X /-DLO-TR

BOX 1

Filter Series
HDP

BOX 2

Filter Material
KF1 = Dieselmicron®

BOX 3

Size
240 = 63 gph

BOX 4

Evolution Stage
BC1 = Manual Drain Configuration

BOX 5

Filtration Rating
7 = 7 µm

BOX 6

Type of Clogging Indicator
W = No clogging indicator

BOX 7

Type Code
1

BOX 8

Modification Number
X = Latest version number always supplied

BOX 9

Options	
AS16 =	WIF sensor w/ integral drain
AS17 =	Cummins-Ready w/ sensor WIF w/ integral drain
PH4R =	Hand priming pump, right handed operation
H3L =	Integrated fuel pre-heater (12 VDC) Left inlet port orientation

BOX 10

Port Orientation
DOO = Inlet top, outlet top
DLO = Inlet left, outlet top

BOX 11

Bowl Option
Omit = Black
TR = Transparent

BOX 12

Port Size
Omit = M16 x 1.5
6 = SAE-06 J1926 ORB

NOTES:

For other options, including the ones listed below, contact factory:

- Porting orientation not listed in model code builder
- SAE J1926 ORB or SAE J2044 Quick Connect Porting
- Cummins® ready Water-in-Fuel (WIF) sensor options
- Other OEM-ready Water-in-Fuel (WIF) sensor options