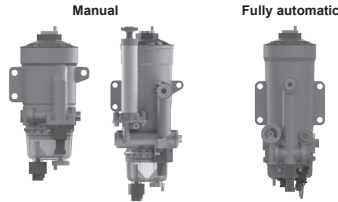
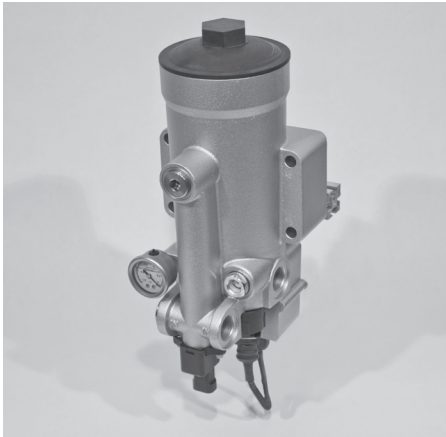


## Diesel PreCare HDP up to 1800 l/h



### 1. TECHNICAL SPECIFICATIONS

#### 1.1 FILTER

The Diesel PreCare is an innovative system for diesel prefiltration which protects vehicle manufacturers and operators against breakdowns, downtime and expensive service calls. The HYDAC solution "Diesel PreCare" is available as a cup filter in two versions:

- Manual water discharge (BestCost) - the conventional, operator-dependent solution
- Fully automatic water discharge Plug&Play (HighTech) - the innovative solution for fully automatic dewatering, independent of the operator, even during suction side operation.

#### 1.2 FILTER ELEMENTS

The filter element Dieselmicron® features 2-stage water separation. HYDAC filter elements are validated and their quality is constantly monitored according to the following standards:

- ISO CD 16332
- ISO 19438

#### 1.3 FILTER SPECIFICATIONS

Operating pressure	< 1 bar absolute
Flow rate	BestCost: up to 1800 l/h HighTech: up to 1800 l/h
Mounting thread	BestCost: M22x1.5; M27x2 HighTech: G ¾ (others on request)
Temperature range	BestCost: -40 °C to +90 °C HighTech: -20 °C to +90 °C (extended temperature range on request)
Nominal voltage	24 V DC (optional 12 V)
Rated output Fuel pre-heating	up to approx. 300 W
Water separation efficiency	>95% in accordance with ISO CD 16332

#### 1.4 SPECIAL MODELS AND ACCESSORIES

- Water sensor (present as standard on HDP "HighTech")
- Fuel pre-heating
- Clogging indicator (only HDP "HighTech")
- Multiple filter module (2-fold or 3-fold version) for higher service life or higher flow rate
- With integrated hand pump or electric pump (only HDP 600 BestCost and multiple modules)
- Others on request!

#### 1.5 SPARE PARTS

See Original Spare Parts List

#### 1.6 CERTIFICATES AND APPROVALS

On request

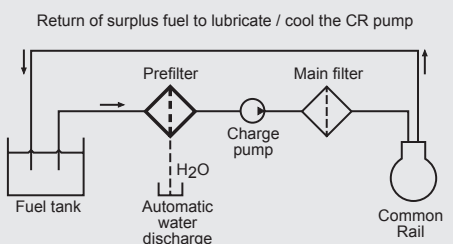
#### 1.7 COMPATIBILITY WITH FUELS

Diesel, biodiesel (B0-B100),  
(non-conductive)  
Others on request.

#### 1.8 MAINTENANCE INSTRUCTIONS

- Only for suction-side operation
- Filter housings must be earthed.
- When using electrical clogging indicators, the system must be disconnected from the power source before removing the clogging indicator plug.
- Due to the likelihood of freezing, there must be no restriction in the drain line. This is to compensate for the expansion.

#### Symbol for hydraulic systems



## 2. MODEL CODE (also order example)

HDP KF1 340 BC1 10 W 1.X /-AS1

### 2.1 COMPLETE FILTER "BESTCOST" (MANUAL DESIGN)

**Filter type**

HDP

**Filter material**

KF1 Dieselmicron®

**Size**

HDP: 340, 600

**Evolution stage**

BC1

**Filtration rating**

10 µm standard, fully synthetic

30 µm fully synthetic

7 µm high performance fibre mix (glass/synthetic)

**Type of clogging indicator**

W no connection for a clogging indicator

**Type code**

1

**Modification number**

X the latest version is always supplied

**Supplementary details**

ASx with integrated water sensor

Hx with integrated fuel pre-heating

PHx with integrated hand pump (only HDP 600 BC1)

PEx with electric pump (only HDP 600 BC1)

Kxxx customer-specific

### 2.2 SPARE ELEMENT "BESTCOST"

0340 BC1 010 KF1 /-Kxxx

**Size**

0340, 0600

**Evolution stage**

BC1

**Filtration rating in µm**

010 standard, fully synthetic

030 fully synthetic

007 high performance fibre mix (glass/synthetic)

**Filter material**

KF1 Dieselmicron®

**Supplementary details**

Kxxx (for descriptions, see point 2.1)

### 2.3 COMPLETE FILTER "HIGHTECH" (FULLY AUTOMATIC DESIGN)

**HDP KF1 600 HT1 10 UED 1.X /-AS1**

#### Filter type

HDP

#### Filter material

KF1 Dieselmicron®

#### Size

HDP: 600

#### Evolution stage

HT1

#### Filtration rating

10 µm standard, fully synthetic

30 µm fully synthetic

7 µm high performance fibre mix (glass/synthetic)

#### Type of clogging indicator

A steel blanking plug in indicator port

UED vacuum gauge

#### Type code

1

#### Modification number

X the latest version is always supplied

#### Supplementary details

**AS1 Standard: with integrated water sensor**

H1 with integrated fuel pre-heating

Kxxx customer-specific

### 2.4 SPARE ELEMENT "HIGHTECH"

**600 HT1 010 KF1 /-Kxxx**

#### Size

0600

#### Evolution stage

HT1

#### Filtration rating in µm

010 standard, fully synthetic

030 fully synthetic

007 high performance fibre mix (glass/synthetic)

#### Filter material

KF1 Dieselmicron®

#### Supplementary details

Kxxx (for descriptions, see point 2.3)

### 2.5 REPLACEMENT CLOGGING INDICATOR

**VMF 1 UED . X**

#### Type

VMF Thread G 1/8

#### Pressure setting

1 standard -1 to 0 bar (others on request)

#### Type of clogging indicator

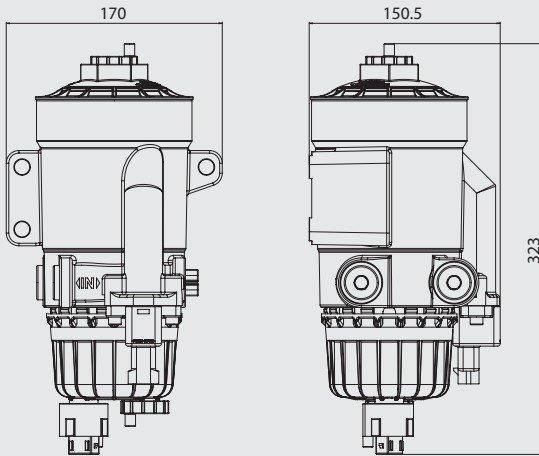
(see Point 2.3)

#### Modification number

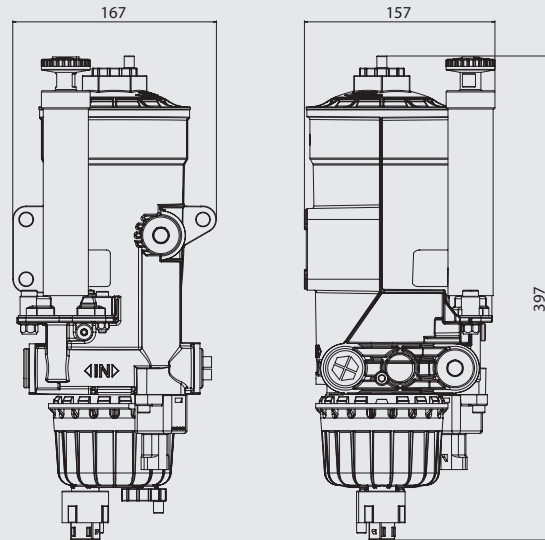
X the latest version is always supplied

### 3. DIMENSIONS

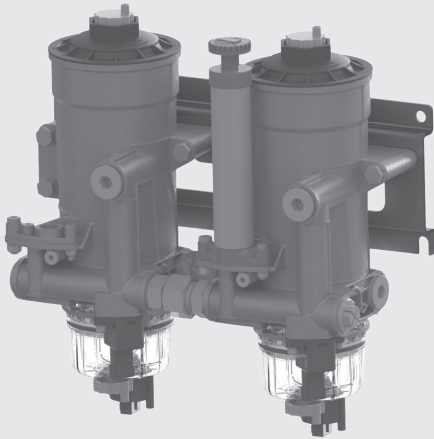
#### 3.1. MANUAL DESIGN HDP 340 "BestCost"



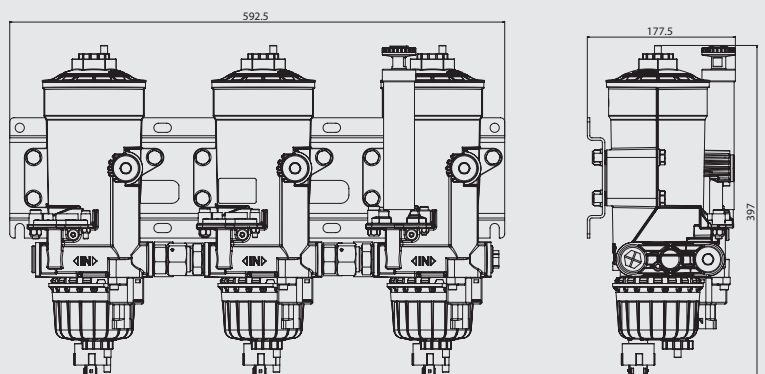
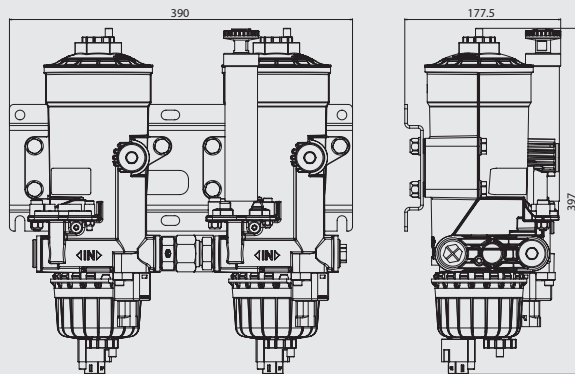
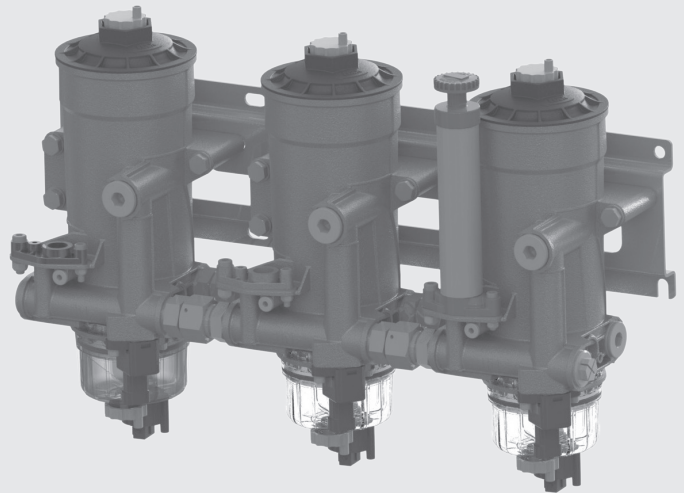
#### HDP 600 "BestCost"



#### 3.2. MULTI-EXTENDABLE HDP 1200 "BestCost"

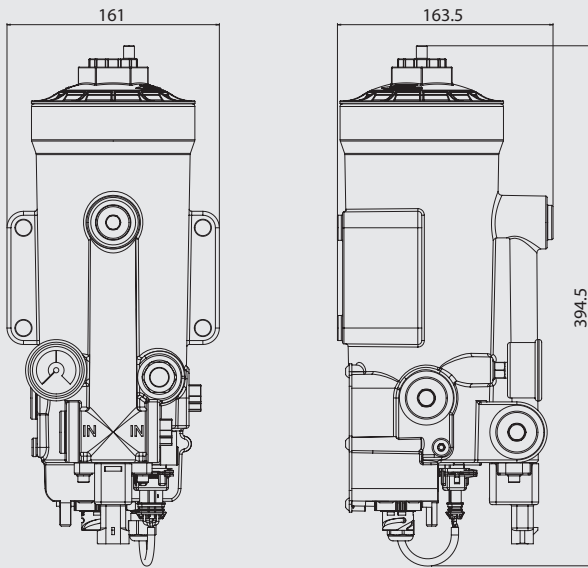


#### HDP 1800 "BestCost"

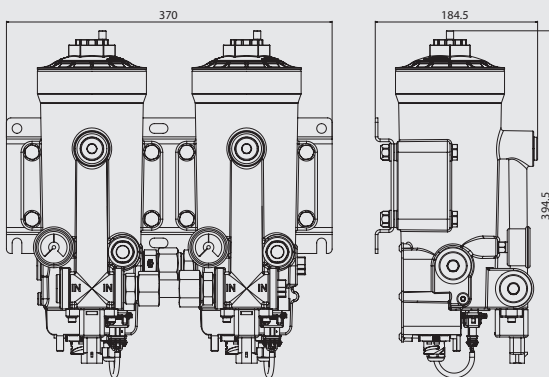
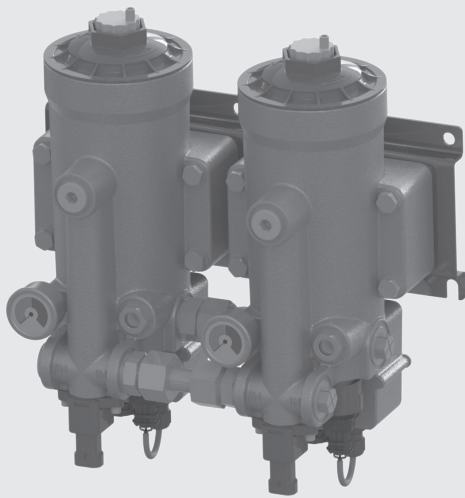


HDP	340 BC	600 BC	1200 BC	1800 BC
Weight incl. element [kg]	2.30	3.10	9.10	14.00

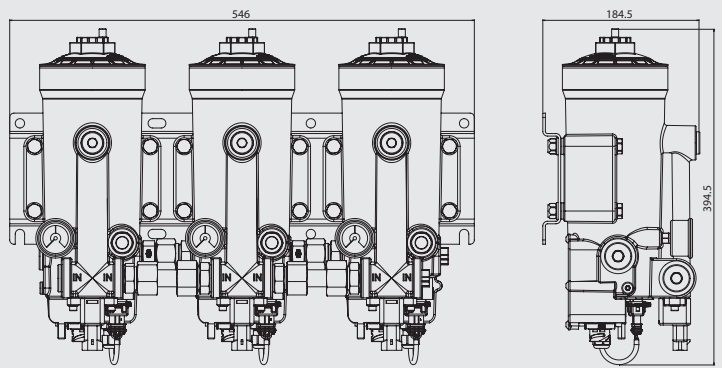
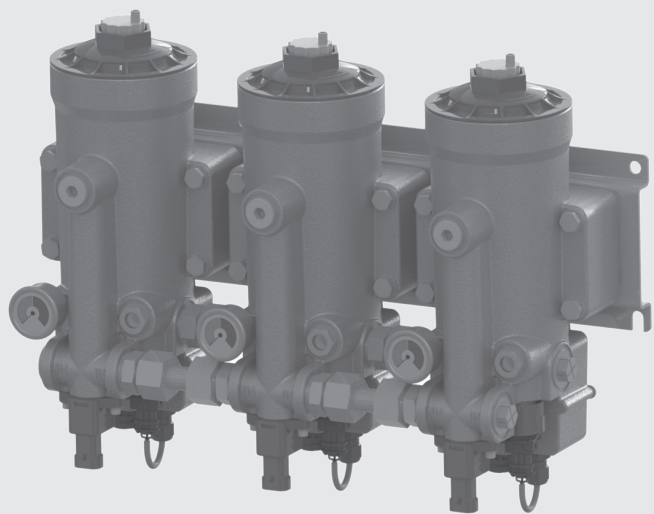
**3.3. FULLY AUTOMATIC DESIGN**  
**HDP 600 "HighTech"**



**3.4. MULTI-EXTENDABLE**  
**HDP 1200 "HighTech"**



**HDP 1800 "HighTech"**



HDP	600 HT	1200 HT	1800 HT
Weight incl. element [kg]	4.25	11.00	17.00

