

## Change-Over Diesel PreCare HDPD up to 1800 l/h

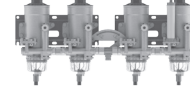
Manual HDPD 340



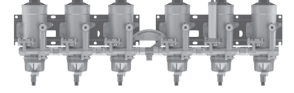
HDPD 600



HDPD 1200



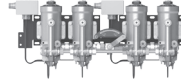
HDPD 1800



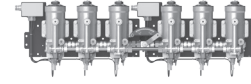
Fully automatic HDPD 600



HDPD 1200



HDPD 1800



## 1. TECHNICAL SPECIFICATIONS

### 1.1 FILTER

The change-over Diesel PreCare is a modern system for diesel prefiltration which protects vehicle manufacturers and operators against breakdowns, downtimes and expensive service calls.

The change-over "Diesel PreCare" filters consist of a module with multiple filter housings. They are connected by a ball change-over valve with single-lever operation. The HYDAC solution is available in two versions:

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

### 1.2 FILTER ELEMENTS

HYDAC filter elements Dieselmicron® 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; M27x1.5 HighTech: G 3/4 (others in 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 for fuel pre-heater	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 HDPD "HighTech")
- Fuel pre-heater
- Clogging indicator (only HDPD "HighTech")
- With integrated hand pump or electric pump (only HDPD 600 BestCost and multiple modules)
- Others on request!

### 1.5 SPARE PARTS

See Original Spare Parts List

### 1.6 CERTIFICATES AND APPROVALS

On request

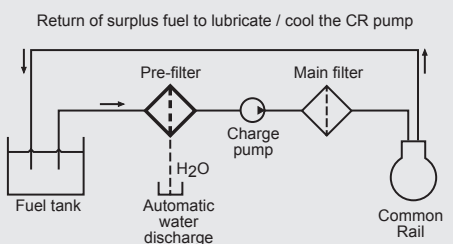
### 1.7 COMPATIBILITY WITH FUELS

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 electrical power supply to the system must be switched off before removing the clogging indicator connector.
- 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)

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

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

#### Filter type

HDPD

#### Filter material

KF1 Dieselmicron®

#### Size

HDPD: 340 (=left side 1x HDP 340, right side 1x HDP 340)  
600 (=left side 1x HDP 600, right side 1x HDP 600)  
1200 (=left side 2x HDP 600, right side 2x HDP 600)  
1800 (=left side 3x HDP 600, right side 3x HDP 600)

#### Evolution stage

BC1

#### Filtration rating in µm

10 µm standard, fully synthetic  
30 µm fully synthetic  
7 µm high performance mixed media (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-heater  
PHx with integrated hand pump (only HDPD 600 BC1)  
PEx with integrated electric pump (only HDPD 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 mixed media (glass/synthetic)

#### Filter material

KF1 Dieselmicron®

#### Supplementary details

Kxxx (for descriptions, see point 2.1)

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

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

### Filter type

HDPD

### Filter material

KF1 Dieselmicron®

### Size

HDPD: 600 (=left side 1x HDP 600, right side 1x HDP 600)  
600 (=left side 1x HDP 600, right side 1x HDP 600)  
1200 (=left side 2x HDP 600, right side 2x HDP 600)  
1800 (=left side 3x HDP 600, right side 3x HDP 600)

### Evolution stage

HT1

### Filtration rating in µm

10 µm standard, fully synthetic  
30 µm fully synthetic  
7 µm high performance mixed media (glass/synthetic)

### Type of clogging indicator

A Steel screw plug in indicator port  
UED Vacuum gauge

### Type code

1

### Modification number

X the latest version is always supplied

### Supplementary details

ASx standard: with integrated water sensor  
Hx with integrated fuel pre-heater  
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 mixed media (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

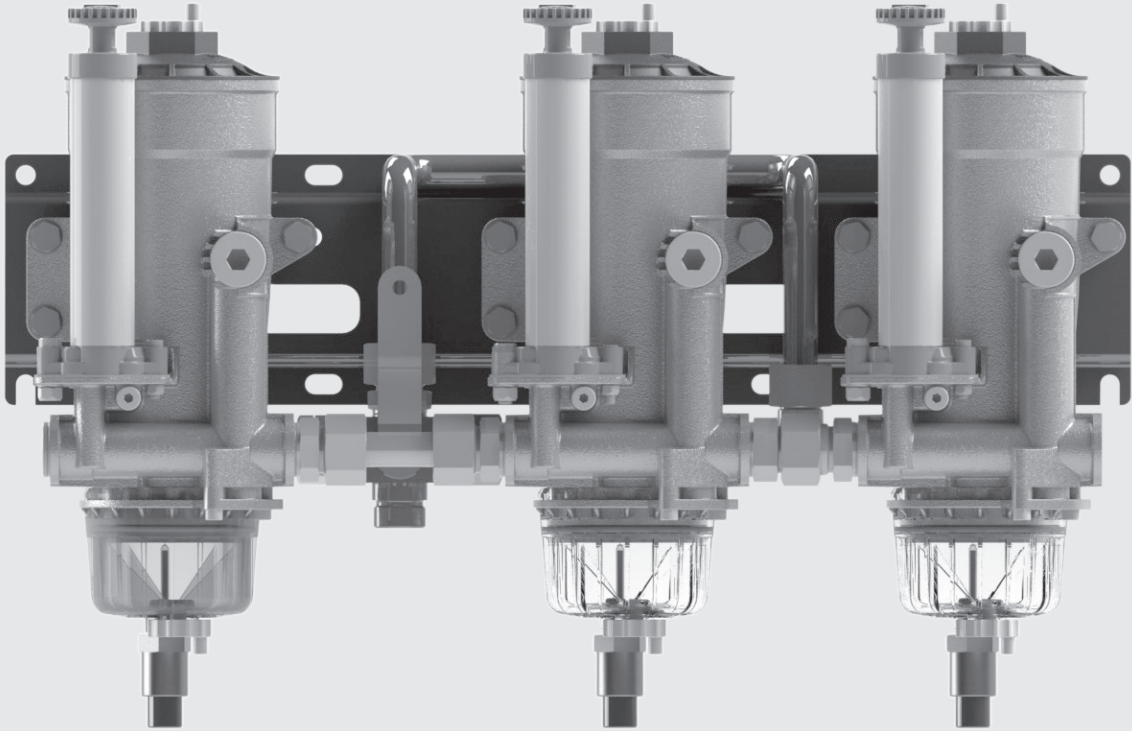
X the latest version is always supplied

Other standard models on request

### 3. SPECIAL MODELS

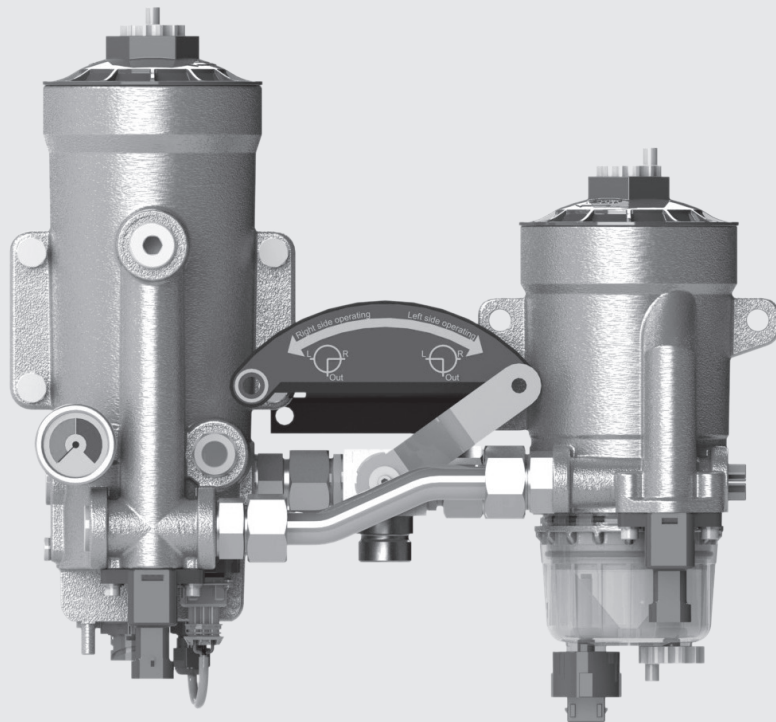
Further variations of our "standard" change-over filters HDPD are possible:

#### 3.1. DIFFERENT NUMBER OF FILTERS ON EACH SIDE



Order example: HDPD KF1 600/1200 BC1 10 W 1.0 /-PH1

#### 3.2. DIFFERENT EVOLUTION STAGES ON EACH SIDE



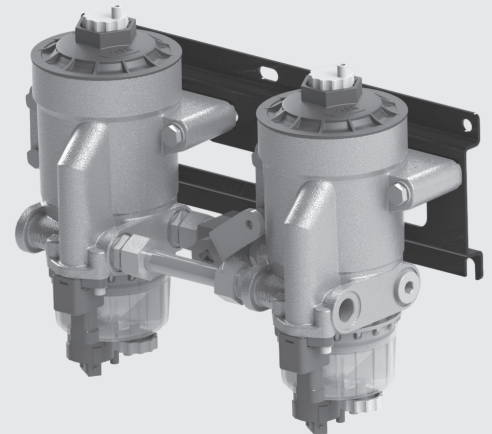
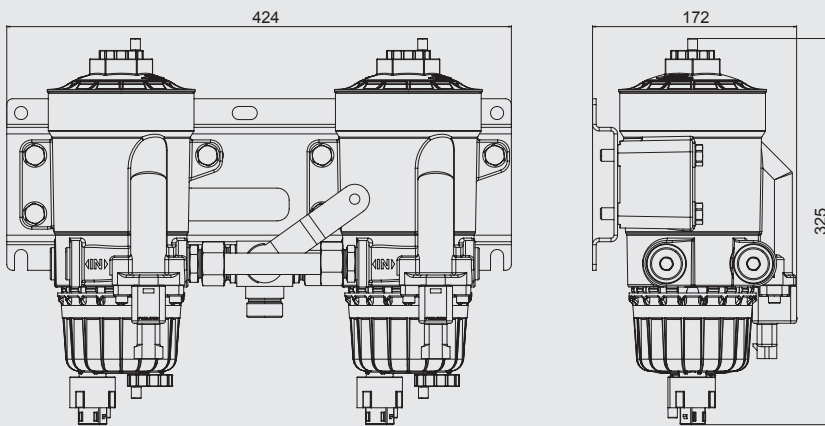
Order example: HDPD KF1 600/340 HT1/BC1 10 W 1.0 /-AS1

Please contact HYDAC Head Office or your local area office for further advice.

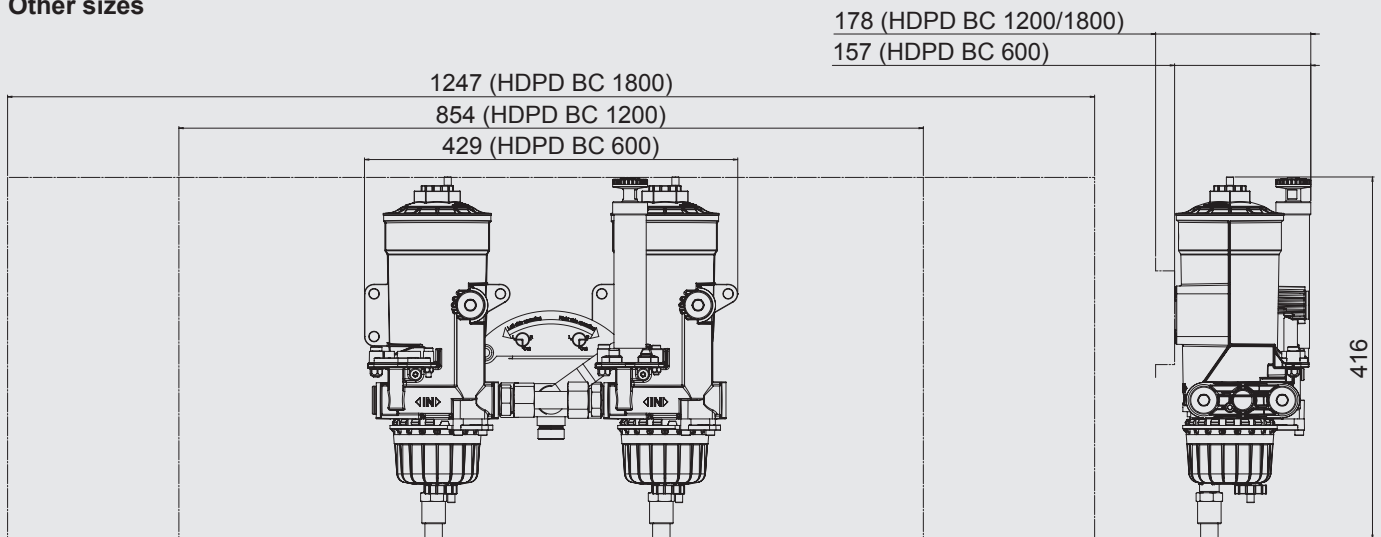
## 4. DIMENSIONS

### 4.1. MANUAL DESIGN

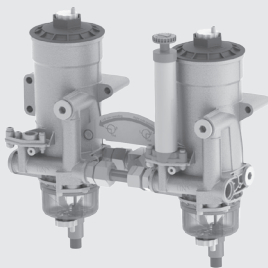
#### HDPD 340 "BestCost"



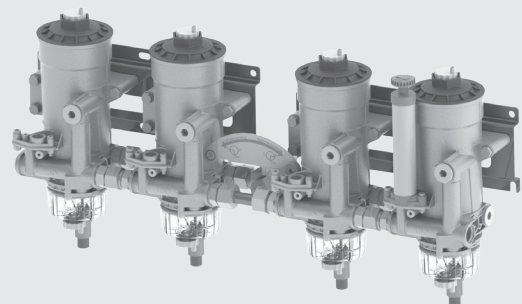
#### Other sizes



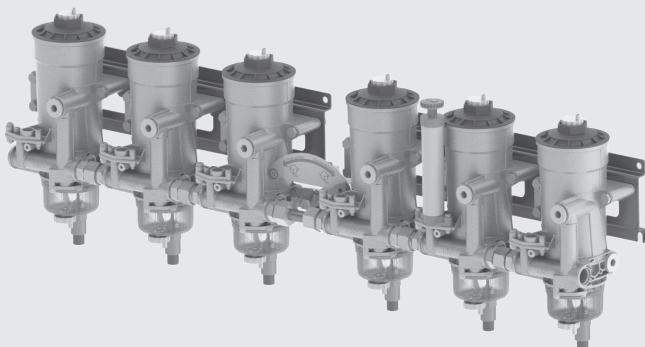
HDPD KF1 600 BC1 ...



HDPD KF1 1200 BC1 ...



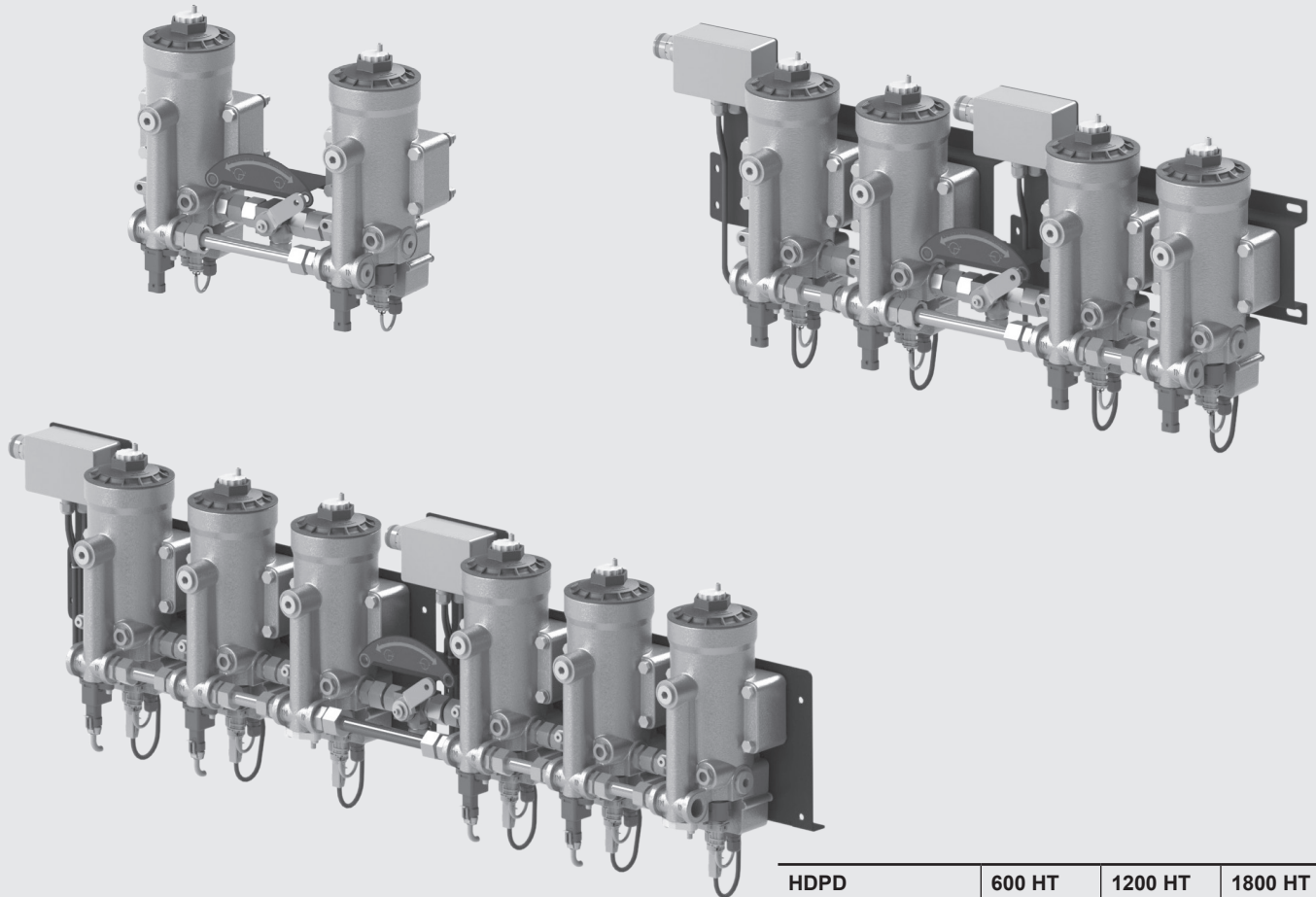
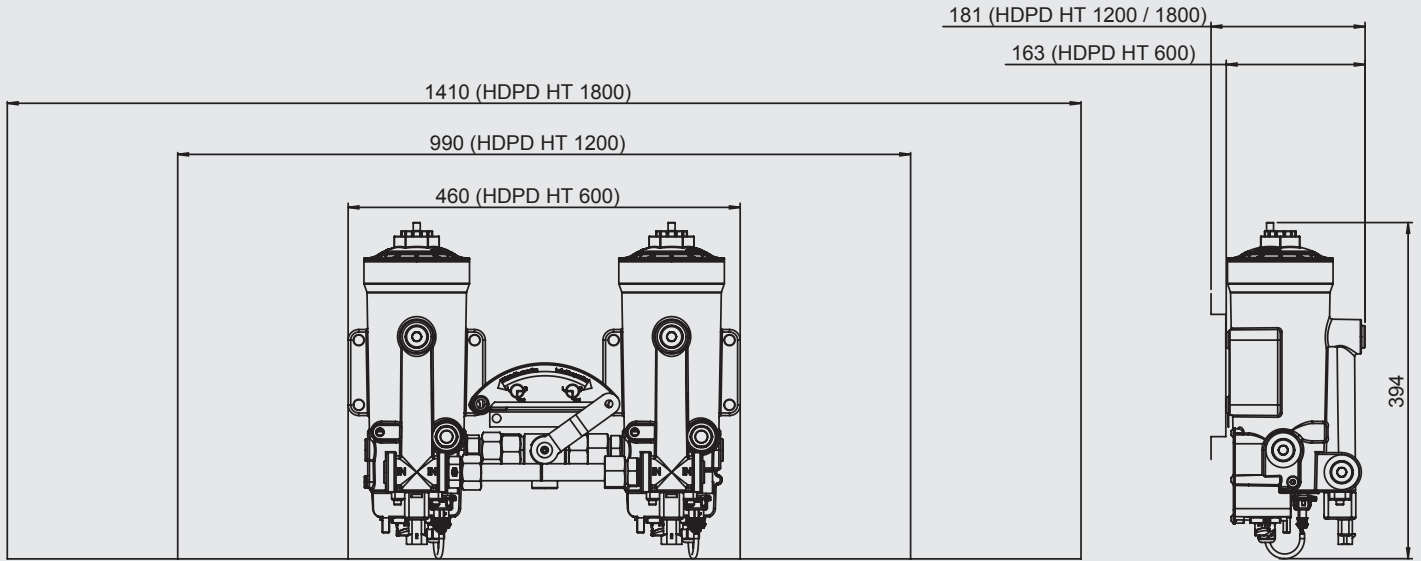
HDPD KF1 1800 BC1 ...



HDPD	340 BC	600 BC	1200 BC	1800 BC
Weight incl. element [kg]	approx. 9.0	approx. 11.0	approx. 19.6	approx. 30.0



## 4.2. FULLY AUTOMATIC DESIGN HDPD "HighTech"



HDPD	600 HT	1200 HT	1800 HT
Weight incl. element [kg]	approx. 20.0	approx. 40.0	approx. 60.0

### NOTE

The information in this brochure relates to the operating conditions and applications described.  
For applications or operating conditions not described, please contact the relevant technical department.  
Subject to technical modifications.

**HYDAC Filtrertechnik GmbH**  
Industriegebiet  
**D-66280 Sulzbach/Saar**  
Tel.: 0 68 97 / 509-01  
Fax: 0 68 97 / 509-300  
Internet: [www.hydac.com](http://www.hydac.com)  
E-Mail: [filter@hydac.com](mailto:filter@hydac.com)