# HYQUIP

### **GYDAD** INTERNATIONAL



#### 1. TECHNICAL SPECIFICATIONS

#### 1.1 FILTER HOUSING Construction

The filter housings are designed in accordance with international regulations. They consist of a cover plate, filter head and housing tube. The element is top-removable. These filters can be installed horizontally below the oil level. Standard equipment:

- mounting holes on the filter head
- magnetic core built into cover plate
- foot valve
- connection for a clogging indicator in filter head
- 1.2 FILTER ELEMENTS

HYDAC filter elements are validated and their quality is constantly monitored according to the following standards:

- ISO 2941
- ISO 2942
- ISO 2943
- ISO 3724
- ISO 3968
- ISO 11170
- ISO 16889

### Contamination retention capacities in g for 0.5 bar

SFAR	10 µm (nominal)	
100	15.5	
150	23.2	
180	27.5	
200	30.4	
250	42.7	

Filter elements are available with the following pressure stability values: Polyester (PE): 6 bar Wire mesh (WR): 6 bar

Other filtration ratings on request.

### Suction Filter SFAR Element flow direction from in to out up to 250 l/min



#### | 1.4 FILTER SPECIFICATIONS

Temperature range	-30 °C to +100 °C		
Material of housing tube	SFAR 100, 150, 180: SFAR 200, 250:	PA6 – GF30 Steel DIN EN 10130-FE P04 A	
Material of filter head	SFAR 100, 150: SFAR 180, 200, 250:	Die-cast EN AC 43300 - F Chill-cast EN AC 43300-F	
Material of cover	PA6 – GF30		
Type of clogging indicator	VMFR – Connection thread G 1/8		
Pressure setting of the clogging indicator	-0.25 bar (others on request)		

#### 1.4 SEALS

- NBR (=Perbunan) **1.5 INSTALLATION**
- Tank-top filter
- 1.6 SPECIAL MODELS AND ACCESSORIES
- without port, no clogging indicator
- without magnetic core
- **1.7 SPARE PARTS** 
  - See Original Spare Parts List
- **1.8 CERTIFICATES AND APPROVALS** Test certificate 2.2 Other
  - approvals on request

#### 1.9 COMPATIBILITY WITH HYDRAULIC FLUIDS ISO 2943

- Hydraulic oils H to HLPD DIN 51524
- Lubrication oils DIN 51517, API, ACEA, DIN 51515, ISO 6743
- Compressor oils DIN 51506
- Biodegradable operating fluids VDMA 245
  IMPORTANT INFORMATION

- 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.

#### Symbol for hydraulic systems



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2. MODEL CODE (also order example) 2.1 COMPLETE FILTER	SFAR PE 180 W Z F 10 W 1.0 /-V
Filter type	
Filter material    PE  Polyester    WR  Wire mesh	
Size of filter or element SFAR: 100, 150, 180, 200, 250	
Operating pressure        W      suction operation	
Additional connection options multiport headTypeConnectionFilter size100150180200Z to customer spec.•••	
Type and size of connection	
Type ConnectionFilter size100150180200250E G 1 1/4 $\bullet$ $\bullet$ $\bullet$ $\bullet$ FG 1 1/2 $\bullet$ $\bullet$ $\bullet$ $\bullet$	
Filtration rating in μm PE : 10 WR : 100	
Type of clogging indicator      Without port, no clogging indicator A steel      blanking plug in indicator port      UE vacuum gauge      If for other clogging indicators      UF vacuum switch see brochure no. 7.050/	
Type code      0    without indicator port, no clogging indicator      1-4 see Point 2.5	
Modification number        X      the latest version is always supplied	
Supplementary details        V      FPM seals        OM without magnetic core        MPx Multiport head only for SFAR 180, 200, 250 (see Point 2.4)	
2.2 REPLACEMENT ELEMENT	<u>0180 RS 010 PE /-V</u>
Size 0100, 0150, 0180, 0200, 0250	
Type RS	
Filtration rating in μm PE : 010 WR : 100	
Filter material PE, WR	
Supplementary details V (for descriptions, see Point 2.1)	
2.3REPLACEMENT CLOGGING INDICATOR	<u>VMF 1 UE</u> - <u>X /-V</u>
<b>Type</b> VMF Thread G 1/8 (SFAR 100, 150)*	
Pressure setting 1 1 bar (for type UE) 0.2 0.2 bar (for type UF)	
Type of clogging indicator (see Point 2.1)	
Modification number        X      the latest version is always supplied	
Supplementary details V (for descriptions, see Point 2.1) * for SFAR 180, 200 and 250 on request	
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#### 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.

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