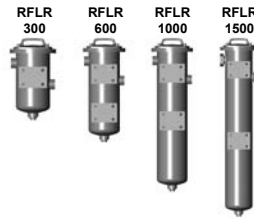




## Inline Filter RFLR

Element flow direction from in to out  
up to 25 bar, up to 1500 l/min



### 1. TECHNICAL SPECIFICATIONS

#### 1.1 FILTER HOUSING

##### Construction

The filter housings are designed in accordance with international regulations. They consist of a filter housing and cover plate. The element is removed from the top.

Standard equipment:

- mounting holes in the housing
- oil drain plug
- magnetic core built into cover plate
- without bypass valve

#### 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 3968
- ISO 11170
- ISO 16889

#### Contamination retention capacities in g

Glass fibre (PGN)			
RFLR	5 µm	10 µm	25 µm
300	27.5	49.5	55
600	60	108	120
1000	85	153	170
1500	170	306	340

Glass fibre with pre-filter (GSN)			
RFLR	5 µm	10 µm	20 µm
300	88	132	148.5
600	192	288	324
1000	368	552	621
1500	544	816	918

Filter elements are available with the following pressure stability values:

- Glass fibre (PGN): 6 bar
- Glass fibre with pre-filter (GSN): 6 bar
- Wire mesh (WR): 6 bar

#### 1.4 SEALS

NBR (= Perbunan)

#### 1.5 MOUNTING

In-tank filter

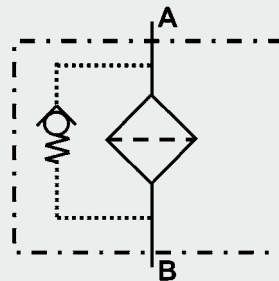
### 1.3 FILTER SPECIFICATIONS

Nominal pressure	25 bar
Temperature range	-10 °C to + 120 °C
Material of filter housing	ST
Material of cover plate	EN-GJL
Type of clogging indicator	VMR (differential pressure indicator up to 210 bar operating pressure)
Pressure setting of clogging indicator	1.8 bar (others on request)
Cracking pressure of bypass valve (optional)	3 bar (others on request)

### 1.6 SPECIAL MODELS

- Connection for clogging indicator in filter housing
- Without magnetic core
- Bypass valve built into housing
- Seals in FPM, EPDM

#### Symbol for hydraulic systems

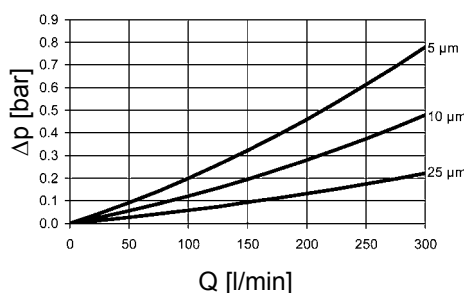


### 1.7 FILTER CALCULATION / SIZING

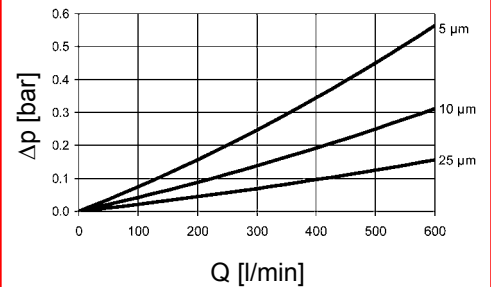
#### GRAPHS FOR COMPLETE FILTER

The total pressure drop graphs apply to mineral oil with a density of 0.86 kg/dm<sup>3</sup> and a kinematic viscosity of 30 mm<sup>2</sup>/s.

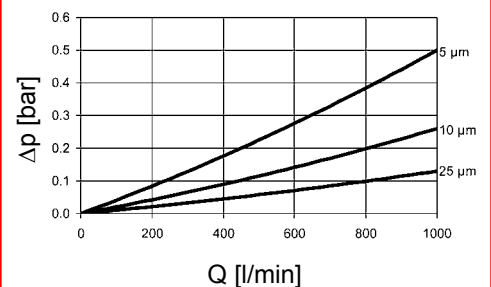
#### RFLR 300: PGN



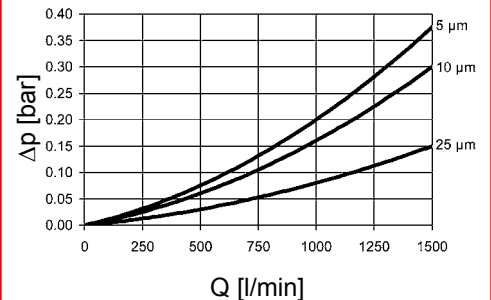
#### RFLR 600: PGN



#### RFLR 1000: PGN



#### RFLR 1500: PGN



Other graphs on request!

