

# High Pressure Filter

## Pi 1123

Operating pressure 350 bar, Nominal size up to 40

### 1. Features

Efficient filters for modern hydraulic systems

- Modular design
- Minimal pressure loss
- Compact design
- Threaded ports

Quality filters, easy to service

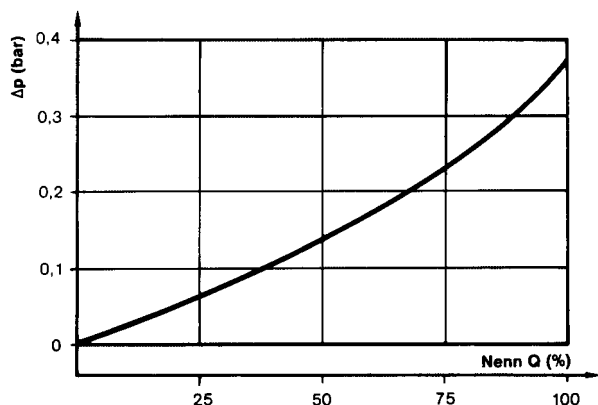
- Highly efficient Mic- or Sm-x-filter elements
- $\beta$ -rated elements per ISO 4572
- Large dirt holding capacity and high differential pressure stability providing optimal elements service life
- 100% bubble-point tested elements

World-wide sales

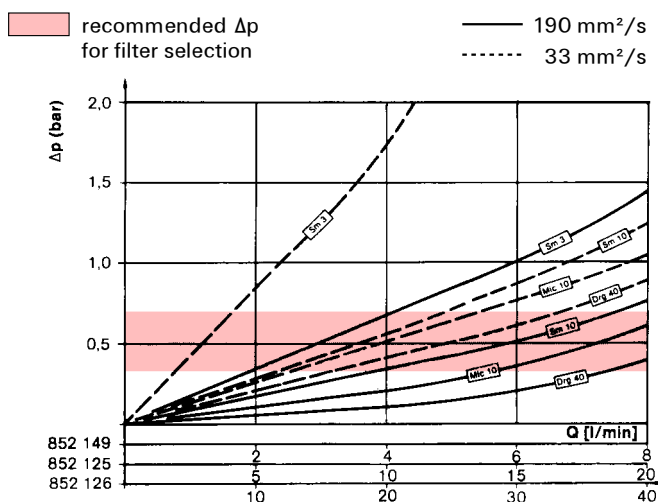


### 2. Flow rate/pressure drop curve

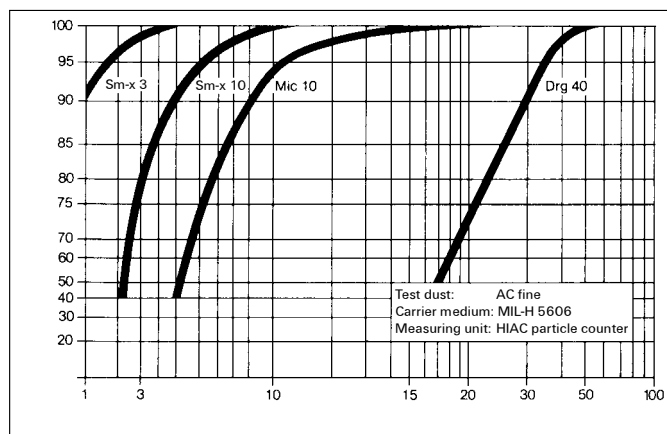
#### 2.1 Empty housing



#### 2.2 Filter elements



### 3. Separation characteristics



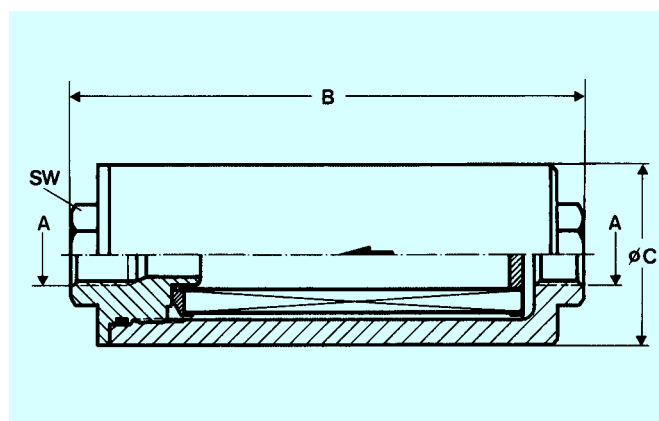
Retention rate measured in a stabilized circuit after 20 cycles  
Specific flow to filtration area 20 ml/min x cm<sup>2</sup>.

### 4. Specifications

Nominal pressure: 350 bar  
Temperature range: -40 °C to +120 °C  
(other temperature ranges on request)  
Housing material: St 42  
Material of seals: NBR  
PTFE

### 5. Dimensions

| Dimensions<br>Type | SW | A   | B   | C    | Weight |
|--------------------|----|-----|-----|------|--------|
| Pi 1123/350/5      | 27 | G ¾ | 140 | 55 Ø | 1,5 kg |
| Pi 1123/350/20     | 30 | G ½ | 160 | 65 Ø | 3,0 kg |
| Pi 1123/350/40     | 30 | G ½ | 190 | 80 Ø | 6,0 kg |



Subject to technical alteration

### 6. Order numbers

| 6.1 Housing design |                   | 6.2 Filter elements ( ) = filter surface area [ ] = type number |                          |                           |                         |
|--------------------|-------------------|-----------------------------------------------------------------|--------------------------|---------------------------|-------------------------|
| Type number        | Nominal Size (NG) | Mic vst 10<br>Δp 40 bar                                         | Sm-x vst 3<br>Δp 160 bar | Sm-x vst 10<br>Δp 160 bar | Drg vst 40<br>Δp 40 bar |
| Pi 1123/350/5      | <b>5</b>          | (150 cm <sup>2</sup> )                                          | (150 cm <sup>2</sup> )   | (150 cm <sup>2</sup> )    | (150 cm <sup>2</sup> )  |
|                    |                   | [852 149 Mic vst 10]                                            | [852 149 Sm-x vst 3]     | [852 149 Sm-x vst 10]     | [852 149 Drg vst 40]    |
|                    |                   |                                                                 |                          |                           |                         |
| Pi 1123/350/20     | <b>20</b>         | (260 cm <sup>2</sup> )                                          | (260 cm <sup>2</sup> )   | (260 cm <sup>2</sup> )    | (260 cm <sup>2</sup> )  |
|                    |                   | (852 125 Mic vst 10]                                            | (852 125 Sm-x vst 3]     | (852 125 Sm-x vst 10]     | (852 125 Drg vst 40]    |
|                    |                   |                                                                 |                          |                           |                         |
| Pi 1123/350/40     | <b>40</b>         | (430 cm <sup>2</sup> )                                          | (410 cm <sup>2</sup> )   | (410 cm <sup>2</sup> )    | (410 cm <sup>2</sup> )  |
|                    |                   | [852 126 Mic vst 10]                                            | [852 126 Sm-x vst 3]     | [852 126 Sm-x vst 10]     | [852 126 Sm-x vst 40]   |
|                    |                   |                                                                 |                          |                           |                         |

### 7. Spare parts list

| Type-No./Housing | Seal kit  |
|------------------|-----------|
| Pi 1123/350/5    | 761.735.0 |
| Pi 1123/350/20   | 761.721.0 |
| Pi 1123/350/40   | 761.718.6 |



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