



## TECHNICAL DATA SHEET

Rev.01 - 18/11/2020

### High pressure filters

#### MODEL

#### F0016 HDP

|                  |                   |             |
|------------------|-------------------|-------------|
| Filter capacity  | l/min             | 7200        |
|                  | m <sup>3</sup> /h | 432         |
| Working pressure | bar               | 40 (40 max) |
| Air connections  | IN/OUT            | ¾" BSP      |
| Net weight       | Kg                | 1,8         |

Flow rates at 40 bar and 20°C

QF - Dust Filtration  
PF - General purpose Protection Filtration  
HF - High Efficiency Oil Removal Filtration  
CF - Activated Carbon Filtration

Standard type of drain Manual

| Filtration grade                                     |                   | QF               | PF                        | HF                        | CF                      |
|------------------------------------------------------|-------------------|------------------|---------------------------|---------------------------|-------------------------|
| Complete filter code                                 |                   | 04B.0096.Q.G.A.0 | 04B.0096.P.G.A.0          | 04B.0096.H.G.A.0          | 04B.0096.C.G.A.0        |
| Filter element code                                  |                   | 04E.0096HQ       | 04E.0096HP                | 04E.0096HH                | 04E.0096HC              |
| Physical filtration process                          |                   | Interception     | Interception + coalescing | Interception + coalescing | Adsorption              |
| Max solid dimension intercepted (ISO 8573-1)         | µm                | 1 µ              | 0,1 µ                     | 0,01 µ                    | //                      |
| Max solid dimension intercepted (ISO 8573-1)         | Class             | 3                | 2                         | 1                         | //                      |
| Remaining oil content after filtration (ISO 12500-1) | mg/m <sup>3</sup> | //               | 0,1 mg/m <sup>3</sup>     | 0,01 mg/m <sup>3</sup>    | 0,003 mg/m <sup>3</sup> |
| Remaining oil content after filtration (ISO 12500-1) | Class             | //               | 2                         | 1                         | //                      |
| Max temperature                                      | °C                | 100              | 100                       | 100                       | 60                      |
| Pressure drop with new element                       | bar               | 0,05             | 0,1                       | 0,1                       | 0,08                    |
| Pressure drop with saturated elements                | bar               | 0,08             | 0,16                      | 0,18                      | 0,12                    |
| Element replacement time                             | hours             | 4000 h           | 3500 h                    | 3500 h                    | 3000 h                  |
| Element replacement time                             | months            | 6                | 5                         | 5                         | 4                       |

|                     |      |      |      |      |      |      |      |      |      |      |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| Line pressure [bar] | 7    | 10   | 13   | 16   | 20   | 24   | 28   | 32   | 36   | 40   |
| Correction factor   | 0,22 | 0,30 | 0,39 | 0,47 | 0,56 | 0,65 | 0,74 | 0,82 | 0,91 | 1,00 |

| Dimensions (mm) |     |
|-----------------|-----|
| A               | 252 |
| B               | 94  |
| C               | 20  |
| D               |     |

