



## TECHNICAL DATA SHEET

Rev.00 - 24/11/2015

### High Temperature Filters

#### MODEL

#### F0050 HDT

|                        |            |            |                                                                                                                                                       |
|------------------------|------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Filter capacity        | l/min      | 5000       | Flow rates at 7 bar and 20°C<br><br>QF - Dust Filtration<br>PF - General purpose Protection Filtration<br>HF - High Efficiency Oil Removal Filtration |
|                        | m³/h       | 300        |                                                                                                                                                       |
| Working pressure       | bar        | 7 (16 max) |                                                                                                                                                       |
| Air connections        | IN/OUT     | 1" BSP     |                                                                                                                                                       |
| Net weight             | Kg         | 4,3        |                                                                                                                                                       |
| Standard type of drain | Ball valve |            |                                                                                                                                                       |

| Filtration grade                                     |        | QF            | PF                      | HF                      |
|------------------------------------------------------|--------|---------------|-------------------------|-------------------------|
| Complete filter code                                 |        | 04D.0300.QG00 | 04D.0300.PG00           | 04D.0300.HG00           |
| Filter element code                                  |        | 04E.0300DQ    | 04E.0300DP              | 04E.0300DH              |
| Physical filtration process                          |        | Interception  | Interception+coalescing | Interception+coalescing |
| Max solid dimension intercepted (ISO 8573-1)         | µm     | 1 µ           | 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/m³  | //            | 0,6 mg/m³               | 0,01 mg/m³              |
| Remaining oil content after filtration (ISO 12500-1) | Class  | //            | 2                       | 1                       |
| Max temperature                                      | °C     | 150           | 150                     | 150                     |
| Pressure drop with new element                       | bar    | 0,05          | 0,1                     | 0,1                     |
| Pressure drop with saturated elements                | bar    | 0,4           | 0,4                     | 0,4                     |
| Element replacement time                             | hours  | 4000 h        | 4000 h                  | 4000 h                  |
| Element replacement time                             | months | 6             | 6                       | 6                       |

|                     |      |      |      |      |      |      |      |      |      |      |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| Line pressure [bar] | 1    | 2    | 3    | 5    | 7    | 9    | 11   | 13   | 15   | 16   |
| Correction factor   | 0,38 | 0,53 | 0,65 | 0,85 | 1,00 | 1,13 | 1,25 | 1,36 | 1,46 | 1,51 |

| Dimensions (mm) |     |
|-----------------|-----|
| A               | 435 |
| B               | 120 |
| C               | 36  |
| D               | 170 |

