The automatic backflushing filter AutoFilt® RF5 has proven its reliable performance successfully for many years in a wide range of different industries. The new backflushing filter series AutoFilt® RF5 a new budget-priced filter series with a cost-optimized geometry that offers the same reliable filter performance in a variety of applications.

The function of the AutoFilt® RF5 is similar to the AutoFilt® RF3:

The fluid to be filtered flows through the slotted tube filter elements of the backflushing filter, passing from the inside to the outside. Contamination particles then collect on the smooth inside of the filter elements.

As the level of contamination increases, the differential pressure between the contaminated and clean sides of the filter increases. When the differential pressure reaches its pre-set value, backflushing starts automatically.
## Technical Data

### Filter Model Number Selection

- **RF5**

### Size of Element Set

- Same as BOX 2 Value

### Vessel Certification

- Omit = Standard Version
- ASME = ASME Version

### Differential Pressure Gauge

- 1 = Pressure Chamber, Aluminum 3.258302
- 2 = Pressure Chamber, Stainless Steel 1.4305
- 3 = With Chemical Seal Stainless Steel 316TI
- 5 = HDA 4700 Stainless Steel
- 6 = HDA 4300 Duplex Stainless Steel

### Control Box Position

- 1 = Control box offset by 90° clockwise to filter outlet
- 2 = Control box offset by 180° clockwise to filter outlet
- 3 = Control box offset by 270° clockwise to filter outlet

### Modification Number

- 2 = Latest version supplied by factory

### Element Set

- **ES200** = 200µ Conical Slotted Tubes
- **ES300** = 300µ Conical Slotted Tubes
- **ES400** = 400µ Conical Slotted Tubes
- **ES500** = 500µ Conical Slotted Tubes
- **ES1000** = 1000µ Conical Slotted Tubes
- **ES1500** = 1500µ Conical Slotted Tubes
- **ES2000** = 2000µ Conical Slotted Tubes
- **ES2500** = 2500µ Conical Slotted Tubes
- **ES3000** = 3000µ Conical Slotted Tubes

### Drive Control / Connecting Voltage

- EPZ = Electric pneumatic cycle control
- EZ = Electric control
- EPT = Electro-pneumatic cyclic control
- PT = Pneumatic cyclic control
- PTZ = Pneumatic cyclic timed control
- 7 = 3X415V/N/PE 60Hz
- 8 = 3X460V/X/PE 60Hz
- 9 = 3X440V/X/PE 60Hz
- E = With ANSI-flanged, additional A at the end

### Housing Material and Coating

- N = Standard Steel outside primed
- NM = Standard Steel outside primed, inside metallogal painted
- E = Stainless Steel
- A = With ANSI-flanged, additional A at the end

### Shut-Off Valve Material

- N = Standard Steel
- B = Bronze

### Example: NOTE: One option per box

```
BOX 1  BOX 2  BOX 3  BOX 4  BOX 5  BOX 6  BOX 7  BOX 8  BOX 9  BOX 10  BOX 11
RF5  40  EPT8  NMA  N  5  1  2  ES300  -  -  RF5-40-EPT8-NMA-N-5-1-2-ES300
```

### How to Build a Valid Model Number for a RF5:

1. **BOX 1**
   - Filter Series: RF5
2. **BOX 2**
   - Filter Size: 25, 30, 40, 50, 60, 70, 90
3. **BOX 3**
   - Drive Control / Connecting Voltage:
     - EPZ = Electric pneumatic cycle control
     - EZ = Electric control
     - EPT = Electro-pneumatic cyclic control
     - PT = Pneumatic cyclic control
     - PTZ = Pneumatic cyclic timed control
4. **BOX 4**
   - Housing Material and Coating:
     - N = Standard Steel outside primed
     - NM = Standard Steel outside primed, inside metallogal painted
     - E = Stainless Steel
     - A = With ANSI-flanged, additional A at the end
5. **BOX 5**
   - Shut-Off Valve Material:
     - N = Standard Steel
     - B = Bronze
6. **BOX 6**
   - Differential Pressure Gauge:
     - 1 = Pressure Chamber, Aluminum 3.258302
     - 2 = Pressure Chamber, Stainless Steel 1.4305
     - 3 = With Chemical Seal Stainless Steel 316TI
     - 5 = HDA 4700 Stainless Steel
     - 6 = HDA 4300 Duplex Stainless Steel
7. **BOX 7**
   - Control Box Position:
     - 1 = Control box offset by 90° clockwise to filter outlet
     - 2 = Control box offset by 180° clockwise to filter outlet
     - 3 = Control box offset by 270° clockwise to filter outlet
8. **BOX 8**
   - Modification Number:
     - 2 = Latest version supplied by factory
9. **BOX 9**
   - Element Set:
     - **ES200** = 200µ Conical Slotted Tubes
     - **ES300** = 300µ Conical Slotted Tubes
     - **ES400** = 400µ Conical Slotted Tubes
     - **ES500** = 500µ Conical Slotted Tubes
     - **ES1000** = 1000µ Conical Slotted Tubes
     - **ES1500** = 1500µ Conical Slotted Tubes
     - **ES2000** = 2000µ Conical Slotted Tubes
     - **ES2500** = 2500µ Conical Slotted Tubes
     - **ES3000** = 3000µ Conical Slotted Tubes

Notes:
- Box 3: Needs to have control type and voltage selected ex. EPT8.
- Box 4: can contain two options ex. NMA.
- If ANSI flanges are not specified DIN style will be provided.