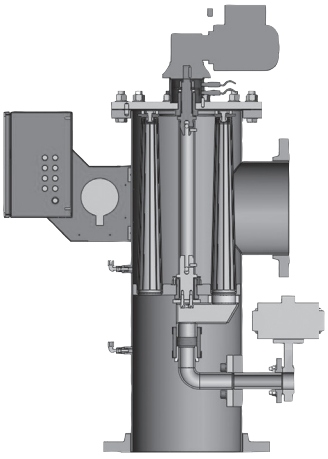
RF5 Backflushing Filter AutoFilt® RF5

748-18,480 gpm
170-4200 L/min

87-150 psi
6-10 bar

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.

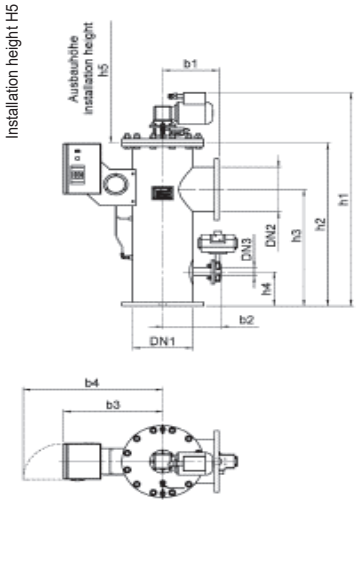


The function of the AutoFilt® RF5 is similar to the AutoFilt® RF3:

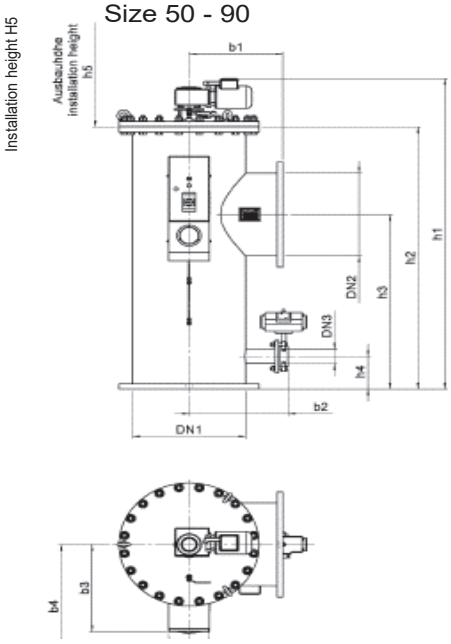
The fluid to be filtered flows through the slotted tube filter elements of the backflushing filter, passing from the inside to the outside. Contamination particles then collect on the smooth inside of the filter elements.

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.

Size 25 - 40



Size 50 - 90



Dimensions

Size	DN1 in (mm)	DN2 in (mm)	DN3 in (mm)	H1 in (mm)	H2 in (mm)	H3 in (mm)	H4 in (mm)	H5 in (mm)	B1 in (mm)	B2 in (mm)	B3 in (mm)	B4 in (mm)
25	9.8 (250)	7.9 (200)	1.6 (40)	47.7 (1212.5)	35.9 (912.5)	24.6 (625)	7.1 (180)	21.7 (550)	11.8 (300)	10.8 (275)	20 (508)	28.7 (728
30	11.8 (300)	9.8 (250)	1.6 (40)	51.7 (1313.5)	39.4 (1001.5)	28.1 (715)	8.3 (210)	21.7 (550)	11.8 (300)	12.4 (314)	21 (533)	29.6 (753)
40	15.7 (400)	11.8 (300)	2.6 (65)	74.4 (1890.5)	62 (1575.5)	40.6 (1030)	7.1 (180)	41.3 (1050)	14.6 (370)	15 (380)	23 (575)	31.3 (795)
50	19.7 (500)	15.7 (400)	2.6 (65)	74.4 (1888.5)	62.4 (1585.5)	41.3 (1050)	7.5 (190)	41.3 (1050)	17.16 (435)	17.3 (440)	19.1 (485)	27.8 (705)
60	23.6 (600)	19.7 (500)	3.1 (80)	75 (1905.5)	63.3 (1608.5)	42.1 (1070)	7.9 (200)	41.3 (1050)	19.9 (505)	21 (534)	21.3 (540)	29.9 (760)
70	27.6 (700)	23.6 (600)	3.1 (80)	88.1 (2238.5)	74.5 (1903.5)	48.6 (1235)	7.9 (200)	53.1 (1350)	22.4 (570)	22.8 (580)	23.3 (593)	32 (813)
90	35.4 (900)	31.5 (800)	3.9 (100)	91.7 (2328.5)	78.5 (1993.5)	52.2 (1325)	8.9 (225)	53.1 (1350)	27.2 (690)	27.2 (690)	27.5 (698)	36.1 (918)

Backflushing Filter AutoFilt® RF5

Size	Pressure Rating psi / (bar)	Inlet	Outlet	Back flushing	Filtration Area in² / cm²	Flow Range gpm (L/min.)
25	145 (10)	DN 250	DN 200	DN 40	942 (6120)	748-1408 (170-320)
30	145 (10)	DN 300	DN 250	DN 40	1255 (8160)	1276-1980 (290-450)
40	87 (6)	DN 400	DN 300	DN 65	2603 (16920)	1760-3302 (6667-12500)
50	87 (6)	DN 500	DN 400	DN 65	3905 (25380)	2860-5280 (650-1200)
60	87 (6)	DN 600	DN 500	DN 80	7809 (50760)	4400-8360 (1000-1900)
70	87 (6)	DN 700	DN 600	DN 80	10920 (70980)	6600-12320 (1500-2800)
90	87 (6)	DN 900	DN 800	DN 100	18200 (118300)	11440-18480 (2600-4200)

Technical Data

RF3 — RF3-8
RF5
RF7
RF10
RF4-1
RF4-2
RF4-3
RF12
RF14
BTU
ATF-1
ATF-2
ATF-2.5
ATF-3
ATF-3.5
ATF-4
PLF1
PLF2
PVD

Filter Model Number Selection

How to Build a Valid Model Number for a RF3:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	BOX 7	BOX 8	BOX 9	BOX 10	BOX 11
RF5										

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	3	2	ES300	40	ASME	= RF3-40-EPT8-NMA-N-5-3-2/ KS1000-40-ASME

BOX 1

Filter Series

RF5

BOX 2

Filter Size

25
30
40
50
60
70
90

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
7 = 3X415V/N/PE 60Hz
8 = 3X460V/X/PE 60Hz
9 = 3X440V/X/PE 60Hz
E = 1X230V/N/PE 60 Hz
F = 1X110V/N/PE 60Hz

BOX 4

Housing Material & 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

BOX 5

Shut Off Valve Material

N = Standard Steel
B = Bronze

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

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

BOX 8

Modification Number

2 = Latest version supplied by factory

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

BOX 10

Size of Element Set

Same as BOX 2 Value

BOX 11

Vessel Certification

Omit = Standard Version
ASME = ASME Version

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