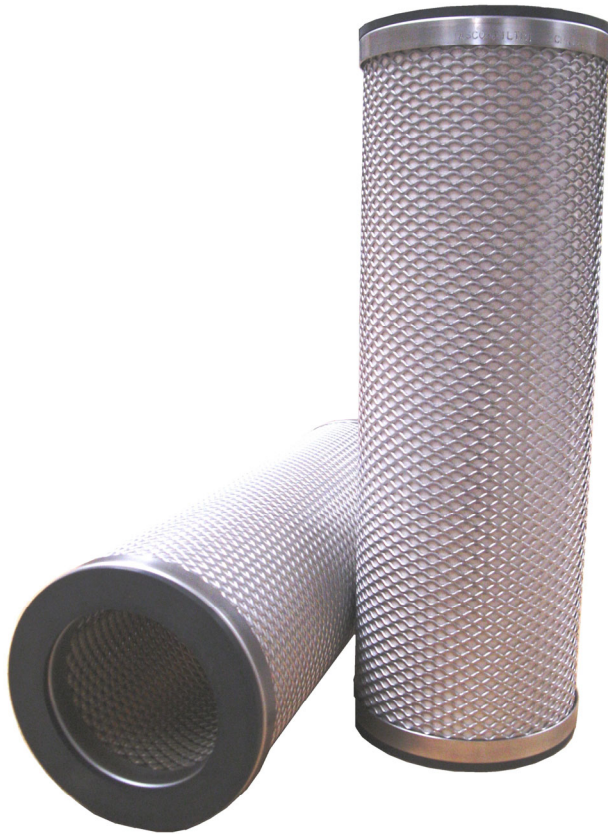


RFV Series

COALESCER CARTRIDGES

GAS - LIQUID

DIAMETER 68-95-120 mm



MAIN APPLICATIONS:

- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINT & RESINS
- PHARMACEUTICAL
- HYDRAULIC
- GENERAL INDUSTRIES

CHARACTERISTICS:

- High surface area
- High flow-rate
- High dirt holding capacity
- Filtration direction from inside to outside
- Hardware material in tinned steel or in stainless steel
- Wide range chemical compatibility
- Epoxy resin for end caps assembly
- Designed for liquid separation from compressed gases
- Available with three different separation efficiency
- Solids filtration efficiency: 99.98% for solids $\geq 0.1 \mu\text{m}$
- Aerosol separation efficiency: 99.994% for aerosol $\geq 0.3 \mu\text{m}$
- Residual oil after filtration: down to 0.01 ppm

ASCO FILTRI

a **mott** company

RFV Series

COALESCER CARTRIDGES
GAS - LIQUID
DIAMETER 68-95-120 mm

Flow-rate / Delta-P data:

Grade	Air flow-rate vs. size					
	110	120	130	210	220	230
XA	20	40	50	30	60	90
XB	25	50	50	40	80	110
XC	25	50	50	40	80	110

Grade	Air flow-rate vs. size							
	313	320	330	340	413	420	430	440
XA	90	130	190	210	150	215	320	430
XB	105	150	210	210	170	240	360	480
XC	105	150	210	210	170	240	360	480

Air flow-rate (Am³/h) - Clean Delta-P 0.07 bar

For gas different than air: DP = 0.07 x gas viscosity (cP) / 0.018 cP (air).

Flow-rate valid for clean air, reduce the flow-rate according to the application.

TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge replacement:

0.8 bar @ 25 °C

Max. allowable:

OD 68: 5.0 bar @ 25 °C

OD 95: 3.0 bar @ 25 °C

OD 120: 3.0 bar @ 25 °C

MAX. WORKING TEMPERATURE

120 °C

160 °C (HT version)

CONSTRUCTION MATERIALS

Filter media:

- Fibre glass

Support layers:

- Polyester

Drainage external layer:

- Polyester

Hardware:

- Tinned steel

- Stainless steel

Gaskets:

- Buna-n

- EPDM

- Viton

- Silicone

DIMENSIONS

Type 1:

DIA 68 / 26 mm

Type 2:

DIA 68 / 38 mm

Type 3:

DIA 95 / 52 mm

Type 4:

DIA 120 / 80 mm

Length:

350, 500, 750, 1000 mm

FILTERING AREA

110/210: 0.36 m²

120/220: 0.72 m²

130/230: 1.08 m²

140/240: 1.44 m²

313: 0.81 m²

320: 1.15 m²

330: 1.72 m²

340: 2.30 m²

413: 1.17 m²

420: 1.66 m²

430: 2.50 m²

440: 3.32 m²

Separation efficiency:

Grade	DOP efficiency	Residual oil
XA	99.994 % ≥ 0.3 µm	0.01 ppm
XB	99.95 % ≥ 0.3 µm	0.1 ppm
XC	-	1 ppm

Contact us for any further information.

We reserve the right to change the data of this specification without notice.

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