

RETINOX PREMIUM HIGH TEMPERATURE FILTER ELEMENTS

Designed for the removal of solid contaminants from liquid and gaseous fluids in high-temperature applications. The use of exclusively metallic materials makes the product ideal for industrial processes requiring chemical or thermal resistance.



Key Features

- Adhesive-free construction.
- No filter media fiber migration.
- Pleated filtration surface with high dirt-holding capacity.
- Regenerable filter, reduces operating costs and environmental impact.

The filter elements are manufactured through a adhesive-free mechanical assembly, utilizing pleated stainless steel wire mesh and cloth, supported by a stainless steel core.

The filter media integrates a drainage mesh to provide greater resistance, reduce pressure drops, and extend service life. The RETINOX PREMIUM series is recommended as a safety guard downstream of fibrous filters and for the treatment of chemicals and process gases in heavy-duty applications.

The filter elements are available in a wide range of filtration ratings to satisfy various industrial application requirements.

Nominal filtration ratings	5µm - 10µm - 25µm - 40µm - 75µm - 100 µm - 150µm - 250µm - 350µm - 500µm
Max. operating temperature	-40°C / +260° C (gasket PTFE)
Max. mechanical strength	3 bar
Max. differential pressure for replacement	DP 1,2 bar
Flow direction	Outside / Inside
Filter media configuration	Pleated

End caps	AISI 316L
Core	AISI 316L
Filter media	AISI 316L
Standard gasket	Viton
Optional gaskets	S= Silicone / T= PTFE / FS= FEP Silicone

Ordering Information

RTP - 200 1 - 010-F - V

CODE	CONNECTION	CODE	NOMIAL LENGTH	CODE	MICRON	CODE	GASKETS
200	DOE: Double Open End with flat gaskets	1	10"	005-F	5	V	Viton
207	SOE: Single Open End with (2) 226 O-Rings and 2-lug bayonet lock. Closed end with spear.	2	20"	010-F	10	S	Silicone
		3	30"	025-F	25	T	PTFE (solo per tipo 200)
		4	40"	040-F	40	FS	FEP (only for 207 e 209)
209	SOE: Open end with (2) 222 O-Rings. Closed end with spear.			075-F	75		
				100-F	100		
				150-F	150		
				250-F	250		
				350-F	350		
				500-F	500		

Nominal length	Filtration area	Max flow rate (DP 0,1 bar)	
	cm ²	Air * m ³ /h	Water ** m ³ /h
10"	1350	50	2,5
20"	2700	70	4
30"	4050	90	6
40"	5400	110	8

Air flow rates at 1 barg and 20 °C

** Water flow rates at 20 °C.

Reduce indicated flow rates by 15% for filtration degrees 10 µm and below.

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The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.