

RETINOX

STAINLESS STEEL FILTER ELEMENTS

Filter elements designed for removal of solid particles in liquids and gases, where the process requires the use of wire mesh filter media resistant at medium-high temperatures.

Main characteristics:

- Stainless steel 316L filter media
- No particles release of filter media
- Pleated filtration area with high dirt-holding capacity
- Regenerable filter element: washable and reusable
- Wide range, diameter from 68 mm up to 300 mm



“RETINOX” filter elements are made of Stainless Steel 316L pleated wire cloth supported by a stainless steel internal core. Filter media incorporates a support wire mesh to obtain higher resistance, to reduce pressure drops, thus resulting in a longer service life.

RETINOX series is recommended downstream of fiber filters and for filtration of:

- Potable and process water
- Medium viscosity fluids and oils
- Chemicals
- Process gas

Filter elements are available in two different versions and in several filtration ratings:

- **K** version: end fittings are sealed to filter media with epoxy resins
- **W** version: end fittings are sealed to filter media by brazing with tin alloy (recommended for high temperatures or fluids not compatible with epoxy resins)

Filtration grade and characteristic

Filtration rating	5µm - 10µm - 25µm - 40µm - 75µm - 150µm - 250µm 350µm - 500µm
Design temperature (version “ K ”)	-20°C (-4°F) / +120°C (248°F)
Design temperature (version “ W ”)	-40°C (-40°F) / +190°C (374°F)
Max. differential pressure	3.0 bar (43.5 psi)
Flow direction	Outside / Inside
Media arrangement	Pleated
Recommended change differential pressure	ΔP 1.5 bar (21.7 psi)

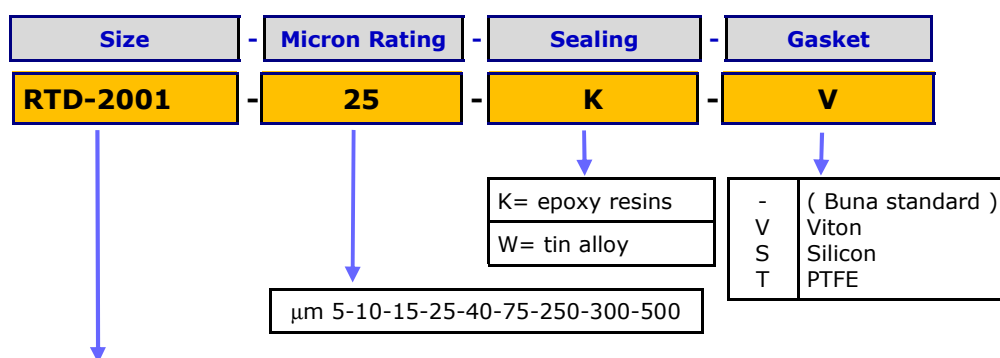
RETINOX

Materials

End caps	AISI 430 (size 4001 & 4002) / AISI 304 (for other models)
Internal core	AISI 304
External cage	AISI 304 (1)
Filter media	AISI 316L
Sealing (version "W")	Tin alloy
Sealing (version "K")	Epoxy resins
Gasket standard	Buna N
Gaskets on request	V = Viton / S= Silicon / T= PTFE

(1) size 6001-6002-8001-8002-9002

Code information



Size	Filtering area	Flow rate		Dimensions			
	cm ²	Air * m ³ /h ΔP < 0.08 bar	Water ** m ³ /h ΔP 0.1 bar	Out Dia. mm	Int.Dia. mm	Length mm	Filter centering device (Dia.hole mm)
RTD-2001	1600	80	3	68	26	250	-
RTD-2002	3200	105	3,5	68	26	500	-
RTD-3001	2800	350	10	95	52	350	-
RTD-3003	8400	420	13	95	52	1010	-
RTD-4001	3860	600	18	120	80	350	-
RTD-4002	7728	850	24	120	80	700	-
RTD-6001	11200	1500	40	170	110	500	-
RTD-6002	20400	1800	52	170	110	915	-
RTD-8001	14280	3000	80	210	155	500	16
RTD-8002	26000	3600	100	210	155	915	16
RTD-9002	35800	9000	200	300	250	915	-

* Flow rate conditions 1.0 barg e 20 °C

** Flow rate of water 20 °C.

Filtration grade <= 10 microns reduce the flow rates of 15%

Please contact our Commercial Department for specific applications.

Data contained in this bulletin 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.



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