

Series RVT

SELF-CLEANING FILTERS
CUSTOM MADE



CHARACTERISTICS:

- Body construction materials:
 - Carbon steel
 - Stainless steel
 - (other materials as option)*
- Internals construction materials:
 - 304 SS or 316L SS
 - SAF 2205 or SAF 2507
 - (other materials as option)*
- Conform to the codes:
 - ASME Sect. VIII Div. 1
 - EN 13445
 - (other design code as option)*
- Suitable for liquids Gr. 1 and 2 filtration
- Conform to 97/23/CE Directive
- Conform to 94/9/CE Directive
- In/out connection up to 40" (DN 1000)
- Flow-rate up to 9000 m3/h
- Suitable for continuous operation without maintenance
- Full automatic operation
- Minimal water loss during back-wash
- Sea water and brackish water design including:
 - Double flanged body
 - Internal lining for corrosion protection in neoprene, glass-flake, Abcrite. *(other materials as option)*
- Wedge-wire type filter elements

MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- STEEL MILL
- GENERAL INDUSTRY

ASCO FILTRI

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Series RVT

**SELF-CLEANING FILTERS
CUSTOM MADE**

TECHNICAL DATA:

CONSTRUCTION MATERIALS

Body:

- Carbon steel
- 304 SS
- 316 SS
- Duplex SS
- (other materials available)

Internals:

- 304 SS
- 316L SS
- SAF 2205
- SAF 2507
- (other materials available)

GASKETS

- SPIRAL WOUND
- KLINGERSIL
- REINFORCED EPDM
- PTFE

IN/OUT

- Up to 40"

FLOW-RATE

- Up to 9000 m³/h

FILTRATION RATING

- from 50 to 2000 µm

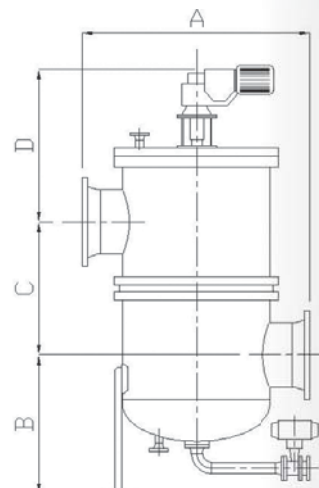
ACCESSORIES

- DIFF. PRESSURE GAUGE
- DIFF. PRESSURE SWITCH
- VENT VALVE
- AUTOMATIC DRAIN VALVE
- REDUCTION GEAR
- CONTROL UNIT

Dimensions:

Mod.	Dimensions [mm]					Flow-rate	Weight
	A	B	C	D	in/Out	[m ³ /h]	[kg]
312	600	450	350	400	3"	75	250
610	700	700	400	1000	8"	280	400
616	800	800	350	1050	10"	450	450
627	900	850	550	900	12"	660	600
715	950	850	800	900	14"	800	900
724	1000	900	750	1000	16"	1070	1000
730	1150	1000	700	1000	18"	1400	1300
736	1250	1050	650	1050	20"	1700	1600
750	1600	1200	900	1100	24"	2450	2700
764	1600	1200	900	1100	24"	3000	2800
776	1800	1200	1100	1100	26"	3600	3500

Suggested max. water flow-rate, clean Delta-P < 0.15 bar. Filtration rating 500 µm.
Flow-rate is related to filtration rating; for different filtration rating contact ASCO Filtri.
For flow-rates larger than 4000 m³/h the filters are differently designed, for information, contact ASCO Filtri.



Working principle:

Fluid is filtered across slotted filter elements from inside to outside.

When pressure drop reaches the set point, detected by a differential pressure switch or transmitter, the back washing is automatically initiated starting the geared motor and opening the actuated discharge valve for two minutes approximately.

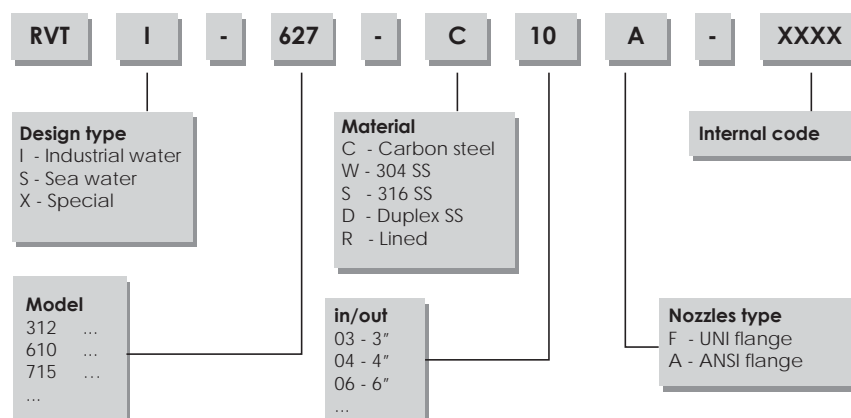
During back-wash, only one, two or three (depending on the filter model) filter elements at time, through the cleaning arm, are in communication with the drain at atmospheric pressure. Due to the differential pressure between the filter and atmosphere, part of the already filtered water flushes these elements in the reverse way (outside to inside).

This action provide to remove the dirty particles from the elements and discharge them through the drain connection.

Internal cleaning arms provide to back-wash only a small portion of the total filtering area at time.

This design minimize the water discharge and maintain the filter in operation when the back-wash is in progress.

Ordering information:



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

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