



# ST Series

**FILTER HOUSINGS  
BASKET  
CUSTOME MADE**

## MAIN APPLICATIONS:

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

## CHARACTERISTICS:

- Construction material:  
Carbon steel  
Stainless steel  
*(other materials available as option).*
- Design according to:  
ASME Sect. VIII Div. 1  
EN 13445  
*(other design code available as option).*
- Suitable for filtration of both liquids and gas Gr. 1 and 2.
- Conform to 2014/68/UE PED Directive.
- Conform to 2014/34/UE ATEX Directive.
- Available with U-Stamp certification.
- Top cover closure:  
ANSI or EN flanges  
Swing bolts - eye bolts type  
Swing bolts - Rathmann type  
Quick opening closure yoke or band-lock type.
- Side by side in/out *(other nozzles arrangement available as option).*
- In/out connection up to 40" (DN 1000).
- Flow-rate up to 6000 m<sup>3</sup>/h.
- Perforate plate with wire mesh or wedge-wire basket.

# ASCO FILTRI

**a mott company**

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## TECHNICAL DATA

### CONSTRUCTION MATERIAL

#### Body:

- Carbon steel
- 304-SS
- 316-SS
- Duplex SS
- Other materials available

#### Basket:

- 304-SS
- 316-SS
- Duplex SS
- Other materials available

### GASKETS

- Spiralwound
- KlingerSil
- Buna-n
- Viton
- PTFE

### IN/OUT

- Up to 40"

### FLOW-RATE

- Up to 6000 m<sup>3</sup>/h

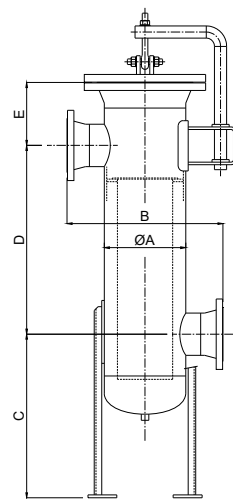
### ACCESSORIES

- Differential pressure gauge
- Differential pressure switch
- Vent valve
- Drain valve
- Pressure safety valve

### Dimensions:

Model	Dimensions [mm]						Basket		
	ØA	B	C	D	E	In/out	Size	m <sup>2</sup>	
STT014	163.3	460	500	300	183	3"	Ø97x290	0.09	
STT012	219.1	520	565	650	211	4"	Ø170x690	0.37	
STT016	323.8	620	650	750	250	6"	Ø220x800	0.55	
STT017	406.4	720	700	750	330	8"	Ø275x800	0.69	
STT018	508	900	810	940	400	10"	Ø325x1000	1.02	
STT019	609.6	1050	900	940	470	12"	Ø360x1000	1.29	
STT01A	711.2	1220	940	850	405	14"	Ø410x1500	1.93	
STT01B	812.8	1400	950	1300	450	16"	Ø460x1500	2.17	
STT01C	914.4	1600	1050	1350	480	18"	Ø512x1500	2.41	
STT01D	1016	1600	1100	1400	530	20"	Ø610x1500	2.87	
STT01E	1219.2	1800	1200	1400	610	24"	Ø715x1500	3.37	

For filters with in/out > 24" contact Asco Filtri.



STT014	STT012	STT016	STT017	STT018	STT019	STT01A	STT01B	STT01C	STT01D	STT01E
50	65	190	340	480	750	950	1400	1700	1900	2600

Water flow-rate (m<sup>3</sup>/h) - Initial Delta-P 0.1 bar. Filtration rating 500 µm.

### Max. allowable flow-rate:

For filtration rating different than 500 µm multiply the Delta-P for the K<sub>µ</sub> coefficient.

µm	75	100	150	250	500	1000	2000	3000	4000	5000
K <sub>µ</sub>	1.60	1.55	1.30	1.25	1.00	0.80	0.75	0.70	0.65	0.65

For viscosity different than 1 cP multiply the Delta-P for the K<sub>η</sub> coefficient.

cP	1	5	10	50	100	200	500	1000	2000	5000
K <sub>η</sub>	1.0	1.25	1.6	2.5	3.0	3.5	4.5	5.3	6.2	8.2

**Contact us for any further information.**

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

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