

Special filter systems **MTT/STM Series**

The availability of a broad range of filtration products together with the proprietary know how to develop, design and build filter systems to meet any international design code, allows ASCO Filtri to always find the most efficient solutions to the filtration applications submitted to its evaluation.

Every special filter system is designed starting from a joint effort between ASCO Filtri and the customer whose detailed specifications and construction requirements are discussed and agreed for each system.

Every order for a special filter system will generate:

A detailed drawing, which will be submitted to the customer as formal document for approval, mechanical stress analysis and design for pressurized vessels, construction according to the required code, testing with customer attendance, test book write up.

Asco Filtri know how allows the construction of the following type of special filter systems:

- ♦ Multiple cartridges housings for liquids and gases
- ♦ Single basket filter & bag filter housings
- ♦ Multi bag filter housings
- ♦ Liquid/liquid phase separators
- ♦ Liquid/gas phase separators
- ♦ Automatic blow back filter for dust removal from high temperature or corrosive gas streams.
- ♦ Back wash filter for solid/liquid separation with automatic gas assisted back wash system



CHARACTERISTICS

Design in accordance to the customer specific requirements
Design and construction according to internationally recognised Codes:

- VSR
- ASME Sect. VIII Div. 1
- AD Merkblatt

Testing and certifications in accordance to European and international directives:

- 97/23/CE/PED
- ASME U-Stamp

Housings construction using standard metals and/or special alloys:

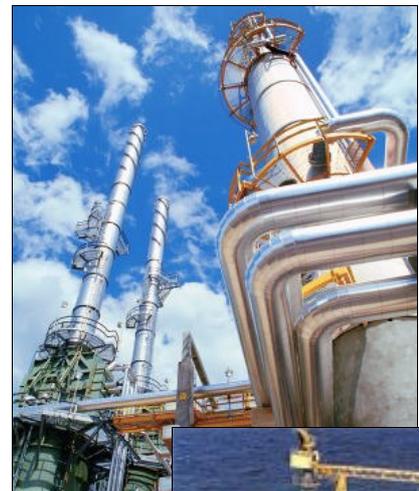
- Carbon steel
- Stainless steel AISI 304,304L,316, 316L
- Duplex stainless steel
- Inconel
- Hastelloy
- Etc.

Housings construction with non corrosive coating:

- Ebonite, neoprene
- Glass flake
- Halar, ECTFE, PTFE

APPLICATIONS

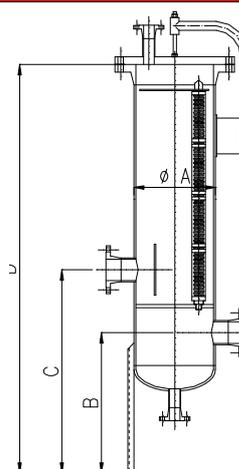
- | | |
|------------------|----------------|
| Refineries | Oil & Gas |
| Petrochemical | Fine Chemicals |
| Power generation | Steel works |
| Food & beverage | Coatings |
| Microelectronics | Pharmaceutical |



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CARTRIDGE FILTER HOUSINGS DIMENSIONAL DATA

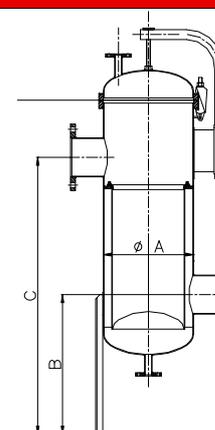
SERIES	CARTIDGE MAX Q.TY					10"	20"	30"	40"	IN/OUT
		F A	B	C	D					
MTT03	3	168, ³	500	700	900	1150	1400	1650	2" - DN 50	
MTT06	6	219, ¹	600	800	1000	1250	1500	1750	2½" - DN 65	
MTT09	9	273, ⁰	600	900	-	1300	1550	1800	3" - DN 80	
MTT10	10	323, ⁹	600	950	-	1350	1600	1850	4" - DN 100	
MTT14	14	355, ⁵	600	1000	-	1400	1650	1900	4" - DN 100	
MTT19	19	406, ⁴	700	1050	-	1450	1700	1950	6" - DN 150	
MTT24	21	457, ³	750	1100	-	1500	1750	2000	6" - DN 150	
MTT30	30	508, ⁰	750	1200	-	-	1700	2000	8" - DN 200	
MTT50	50	609, ⁵	850	1400	-	-	1850	2100	10" - DN 250	
MTT03	61	711, ²	950	1550	-	-	2100	2350	12" - DN 300	



Dimensions shown above are indicative only and may be changed according to the customer specific requirements. Cartridges quantity indicated is referred to a standard F 68 mm cartridge; for different sizes cartridges, please contact ASCO Filtri

BASKET FILTER HOUSINGS DIMENSIONAL DATA

SERIES	Basket	IN/OUT	m ²	F A	B	C	D
STM14	97 x 290	3" - DN 80	0,09	168, ³	500	850	900
STM12	170 x 690	4" - DN 100	0,37	219, ¹	550	1150	1300
STM16	220 x 800	6" - DN 150	0,55	323, ⁹	600	1350	1550
STM17	275 x 800	8" - DN 200	0,69	406, ⁴	650	1400	1650
STM18	325 x 1000	10" - DN 250	1,02	508, ⁰	800	1650	2000
STM19	410 x 1000	12" - DN 300	1,29	609, ⁵	800	1750	2150
STM1A	410 x 1500	14" - DN 350	1,93	711, ²	900	2300	2750
STM1B	460 x 1500	16" - DN 400	2,17	812, ⁸	950	2350	2850
STM1C	610 x 1500	20" - DN 500	2,87	1016	1050	2500	3050
STM1D	715 x 1500	24" - DN 600	3,37	1220	1150	2600	3250



ORDERING INFORMATION

MT	M	42	4	S	Z	06	F	- A215
SERIES	CLOSURE TYPE	FILTER ELEMENTS Q.TY SIZE		BODY MATERIAL	IN/OUT CONNECTIONS			DWG. No.
MT Cartridge	M Rathmann	C CS	L 90°	01 1"	F Flanged	
ST Basket	G Swing bolts			W 304 SS	A In-line	1H 1½"	M Threaded M	
BF Bag	T Standard tie-rods			L 304L SS	Z Off-line	02 2"	T Threaded F	
BB Blow-back	...			E 316 SS	C Parallel	2H 2½"	D DIN 11851	
...				S 316L SS	...	03 3"	C TriClover	
				D Duplex SS		04 4"	S B.W.	
				I Inconel		06 6"	...	
				H Hastelloy		08 8"		
				...		10 10"		
						...		



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