

Series MCR

HOUSINGS
MULTIPLE CARTRIDGE
LOW PRESSURE



MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESIN
- PHARMACEUTICAL
- MICROELECTRONIC
- GALVANIC
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRY

CHARACTERISTICS:

- 100% AISI 316 construction
- V-Clamp manufactured with lost wax micro-casting
- Conform to 94/9/CE ATEX Directive
- 1935/2004/CE certification available upon request
- V-Clamp base/bowl closure
- Suitable for liquid Gr. 1 and 2 filtration
- Side inlet bottom outlet nozzles design
- Suitable for operating pressure up to 8 bar
- Suitable to hold 3, 6 or 9 cartridges from 10" to 40"
- Suitable for cartridges DOE, M3 (*M7, M8 and M9 as option*)
- Easy cartridges replacement thanks to body mid-height opening
- O-ring base/bowl seal
- Designed to allow visual checking of the installed cartridge prior to bowl closure
- 430 SS adjustable legs
- Hydraulic test on 100% of manufactured units
- Customization for OEM customers

ASCO FILTRI

ASCO Filtri S.p.A.

Viale delle Scienze, 8
20082 Binasco (MI) - Italy

Phone: +39 02 89703.1

Fax: +39 02 89703.410

E-mail: asco@ascofiltri.com

Web: www.ascofiltri.com



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TECHNICAL DATA

MAX. WORKING CONDITION
 8 bar @ 80 °C
 (according to the handled fluid)

CONSTRUCTION MATERIALS

- BASE/BOWL:**
 - 316L SS
V-CLAMP:
 - 316 SS micro casting
ADJUSTABLE LEGS:
 - 430 SS

FILTER FINISHING

- Internal:**
 - Electropolishing
External:
 - Electropolishing

GASKETS

- EPDM
 - Silicone
 - Viton

IN/OUT

- 1.1/2" GAS-M
 - 2" GAS-M
 - 2.1/2" GAS-M
 - 3" GAS-M

VENT

- 3/8" GAS-F

TUBE SHEET DRAIN

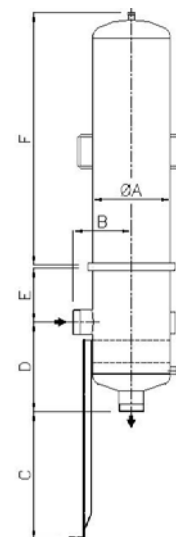
- 1/2" GAS-F

ACCESSORIES

- Pressure gauge
 - Vent valve
 - Flanged connections

Dimensions:

Model	Dimensions [mm]						In/out [GAS-M]	Volume [lt]	Weight [kg]
	A	B	C	D	E	F			
MCR031	168.3	122	300	241.5	210	79	1.1/2"	9	15
MCR032						339		15	21
MCR033						604		21	27
MCR034						869		26	33
MCR061	219.1	177.5	460	305	190	89	2"	17	20
MCR062						354		26	25
MCR063						619	36	30	
MCR064						884	46	40	
MCR092	273	204	450	314	190	361	3"	42	32
MCR093						626		57	41
MCR094						891	72	50	



Flow-rate / delta-p data:

Cartridge	µm	031	032	033	034	061	062	063	064	092	093	094
Depth	≤ 5	3	6	9	12	6	12	18	24	18	27	36
	≥ 10	4	8	12	16	9	16	23	31	24	36	45
Pleated	≤ 5	5	9	14	18	9	18	27	36	27	40	50
	≥ 10	6	12	16	18	12	24	28	40	36	40	50

Water flow-rate (m³/h) - Initial delta-P 0.15 bar.

Max. working pressure:

Fluid	Model											
	031	032	033	034	061	062	063	064	092	093	094	
Liquid Gr. 2	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar
Liquid Gr. 1	8 bar	8 bar	8 bar	7.6 bar	8 bar	7.6 bar	5.5 bar	4.3 bar	4.7 bar	3.5 bar	2.7 bar	
Gas Gr. 1 e 2	Not suitable											

Where the 97/23/CE PED Directive is applicable, in case of dangerous liquids Gr. 1, the max. working pressure must be reduced.

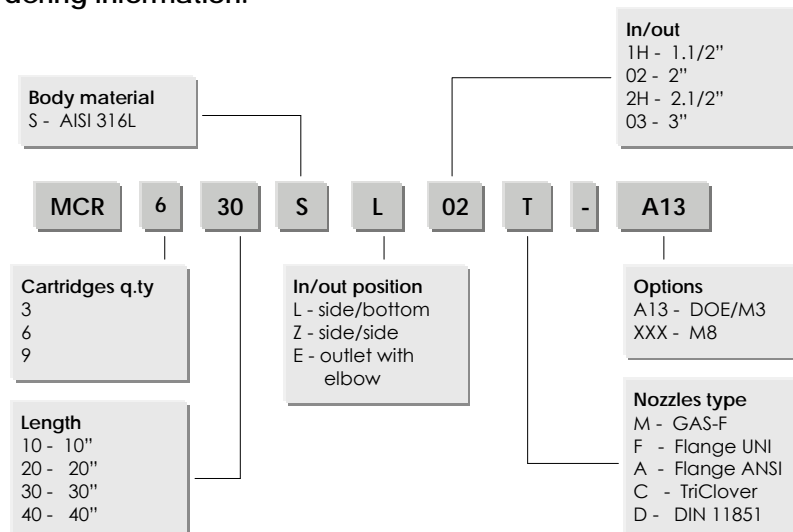
Gaskets temperature limitation:

EPDM	120 °C	Viton	230 °C	PTFE	250 °C
Buna-n	120 °C	Silicone	230 °C	FEP	250 °C

Working temperature is limited from installed gaskets.

For different working temperature check with the operating manual.

Ordering information:



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

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