

# MCR Series

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 316L construction
- V-Clamp manufactured with lost wax micro-casting
- Conform to 2014/68/UE PED Directive
- Conform to 2014/34/UE 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, cod.3 (cod.7, cod.8 and cod.9 as option)
- Easy cartridges replacement thanks to body mid-height opening
- "Sure-Seal" base/bowl seal to guarantee no leakage even at extremely low working pressure
- 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

a **mott** company



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**LOW PRESSURE**

## 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 *max. 120 °C*

- Viton *max. 230 °C*

- Silicone *max. 230 °C*

## 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

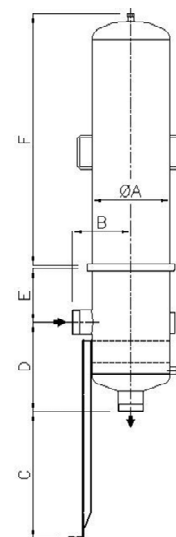
- Pressure gauge

- 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 (m<sup>3</sup>/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 2014/68/UE PED Directive is applicable, in case of dangerous liquids Gr. 1, the max. working pressure must be reduced.

**Contact us for any further information.**

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

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