



# MRS1

## Standard bag filter housing



Classic single bag filter housings manufactured by automated processes to provide high quality and consistency.

### Benefits:

- Standard material 316L ss
- Automated welding system in Argon
- A press forming of the filter body now replaces the conventional ring usually welded inside the filter to support the restrainer basket and to provide the seat for the bag.
- Very small internal volume, minimum loss of product
- The lid provided with a hinge, is held by means of standard reclining clamps, PTFE gasket could be easily compressed
- Stainless steel adjustable legs as a standard for size 1, size 2 and size 6
- Electropolished restrainer basket, full penetration welding between cylinder and perforated cap
- Our restrainer basket fits most of the standard filter housing
- Suitable to hold filter bags provided with metal ring as well as the ones provided with plastic "snap ring"
- Standard IN-OUT ports threaded 2" BSP (size 1, 2 & 6)
- Standard IN-OUT ports threaded 1 1/2" BSP (size 3 & 4)
- Flanged version available on application
- Versions "food & beverage" and "pharma" provided with suitable IN-OUT ports.
- Standard in & out surface finish; pickling + electropolishing

### HOUSING CODE SELECTION

Standard single bag filter housing	Body material	Clamps material	Bag size	IN-OUT connections	IN-OUT connection size	Surface finish
series = <b>MRS1</b>	304ss = <b>W</b> 316ss = <b>S</b>	304ss = <b>W</b>	1 = <b>1</b> 2 = <b>2</b> 6 = <b>6</b> 1M = <b>3</b> 2M = <b>4</b>	BSP male = <b>G</b> BSP female = <b>E</b> DIN11851 liner = <b>D</b> DIN/BSP flange = <b>F</b> ASA flangie = <b>A</b> Tri-Clover = <b>T</b>	1" = <b>25</b> 1 1/2" = <b>40</b> 2" = <b>50</b> 2 1/2" = <b>65</b> 3" = <b>80</b>	Electropolishing = <b>E</b> Manual polishing = <b>L</b>
<b>MRS1</b>	<b>S</b>	<b>W</b>	<b>2</b>	<b>G</b>	<b>50</b>	<b>E</b>

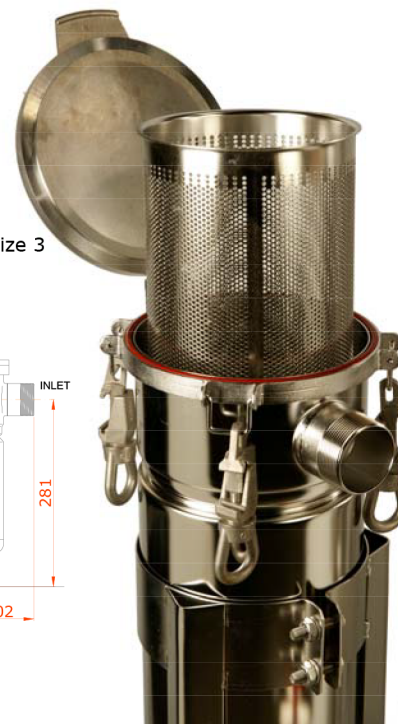
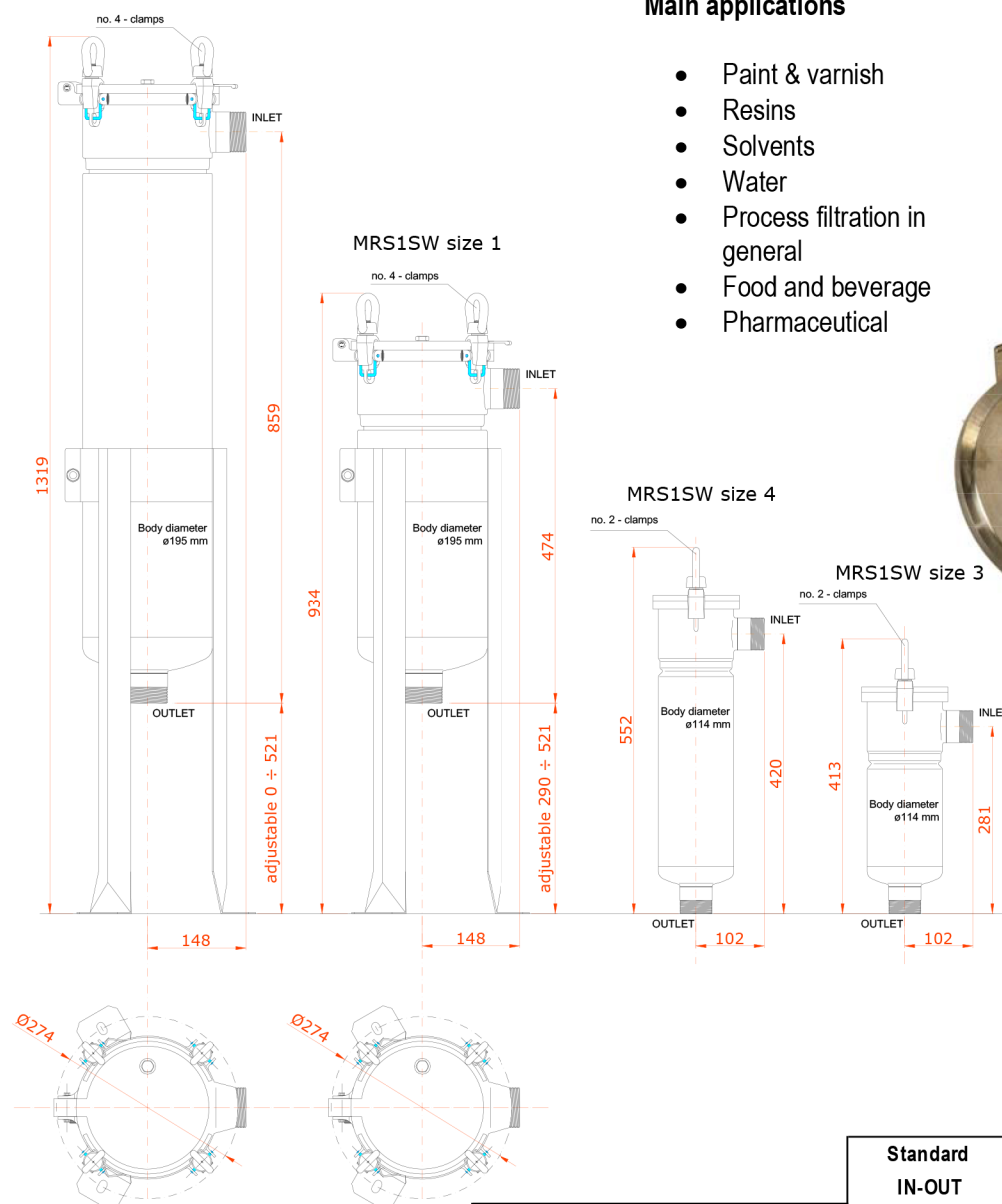
Working conditions of MRS1 series: Max temperature in relation to gasket material limits  
Max pressure = 8 Bar at 60°C

Note: Please choose the appropriate filter element from our "**Filter bags**" data sheet

AKRO SRL - BRASOV

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- Paint & varnish
- Resins
- Solvents
- Water
- Process filtration in general
- Food and beverage
- Pharmaceutical



#### OPTIONAL FITTINGS AVAILABLE FOR MRS1 SERIES

- Pressure gauge/vent assembly
- Evacuation float

Type	Filter bag size	Standard IN-OUT connections	Sound Engineering Practice directive 2014/68/UE art 4.3		
			Internal Volume Litres	liquids	
				Group 1 PSx V=200	Group 2 PSx V=10000
MRS 1 SW3 G 40	Size 3 (ø102 x 229)	1½" BSP male	2,70	8 bar	8 bar
MRS 1 SW4 G 40	Size 4 (ø102 x 381)	1½" BSP male	4,10	8 bar	8 bar
MRS 1 SW1 G 50	Size 1 (ø178 x 419)	2" BSP male	13,90	8 bar	8 bar
MRS 1 SW2 G 50	Size 2 (ø178 x 813)	2" BSP male	24,60	8 bar	8 bar
MRS 1 SW6 G 50	Size 6 (ø178 x 1600)	2" BSP male	24,60	8 bar	8 bar

#### Note:

According to the Directive 2014/68/UE "PED" - MRS1 pressure filter housings are manufactured as "Sound Engineering Practice" (art. 4.3.) do not require the CE stamp when handling "group1" fluids, nor handling "group 2" fluids (essentially water). Please see table above for max operating pressure.

**Max operating temperature:** in function of the liquid, the vapour tension must not exceed 0.5 bar (in any case the max temperature of the gasket must be always considered)  
In accordance with the regulation each housing is provided with Instruction Handbook and Filterflo declaration of compliance.

**For use in gas service please contact Filterflo**



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