



## DESCRIPTION

Suction strainer

## MATERIALS

Connector: Polyamide  
Internal core: Zinc plated steel  
End cap: Zinc plated steel

## PRESSURE

Collapse, differential: 100 kPa (1 bar)

## BYPASS VALVE

Setting: 30 kPa (0,3 bar)  $\pm$  10% on request

## FLOW RATE

Qmax 600 l/min

## WORKING TEMPERATURE

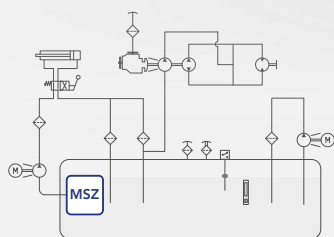
From -25° to + 90° C

## COMPATIBILITY (ISO 2943)

Full with fluids: HH-HL-HM-HR-HV-HTG  
(according to ISO 6743/4)  
For fluids different than the above mentioned,  
please contact our Customer Service.



## HYDRAULIC DIAGRAM

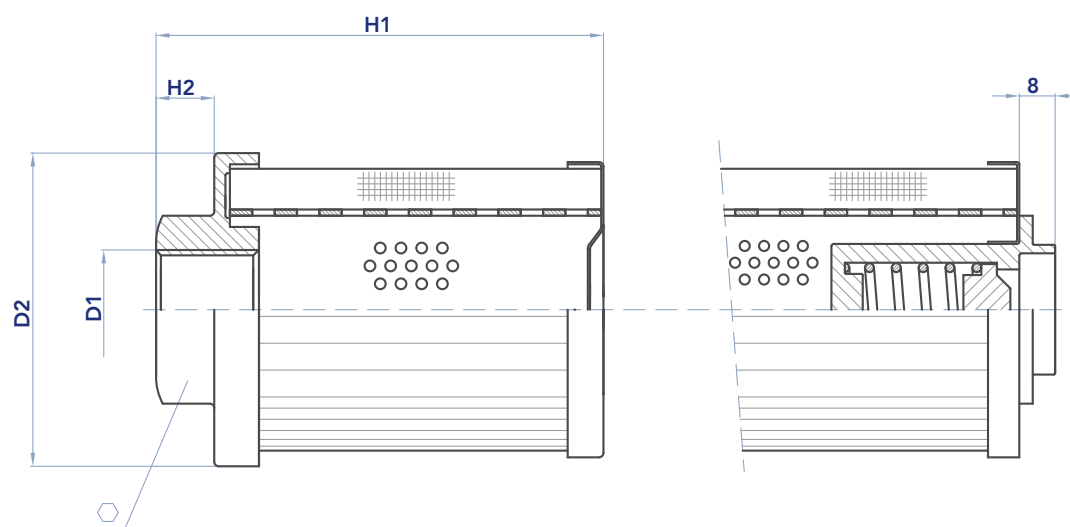


Is this datasheet the latest release? Please check on our website

### ORDERING AND OPTION CHART (SOFIMA CODIFICATION)

M	S	Z	FILTER ELEMENT FAMILY									
			SIZE & LENGTH	101	201	202	301	302	303	401	402	403
			FormulaUFI MEDIA									
			MN = FormulaUFI.WEB 90 µm	MN	MN	MN	MN	MN	MN	MN	MN	MN
			DC = FormulaUFI.WEB 250 µm	DC	DC	DC	DC	DC	DC	DC	DC	DC
		X	SEALS									
			X = not available	X	X	X	X	X	X	X	X	X
			BYPASS VALVE									
			S = without	S	S	S	S	S	S	S	S	S
			A = bypass valve 300 kPa ( 0,3 bar)	A	A	A	A	A	A	A	A	A
		B	PORTS									
			B = BSP	B	B	B	B	B	B	B	B	B
			N = NPT	N	N	N	N	N	N	N	N	N
			PORT SIZE									
			3 = 1/2"	3	-	-	-	-	-	-	-	-
			4 = 3/4"	-	4	-	-	-	-	-	-	-
			5 = 1"	-	-	5	-	-	-	-	-	-
			7 = 1" 1/2	-	-	-	7	7	-	-	-	-
			8 = 2"	-	-	-	-	-	8	8	-	-
			9 = 2" 1/2	-	-	-	-	-	-	-	9	-
			A = 3"	-	-	-	-	-	-	-	-	A

## INSTALLATION DRAWING



## SUCTION STRAINER

	D1	D2	H1	H2	⬡	Kg	AREA (cm <sup>2</sup> ) Media M+
<b>MSZ 101</b>	1/2"	46	105,5	14	30	0,12	155
<b>MSZ 201</b>	3/4"	64	109,5	14	36	0,22	335
<b>MSZ 202</b>	1"	64	139,5	15	46	0,27	450
<b>MSZ 301</b>	1" 1/2	86	140	18	60	0,45	610
<b>MSZ 302</b>	1" 1/2	86	200	18	60	0,53	920
<b>MSZ 303</b>	2"	86	260	18	70	0,56	1190
<b>MSZ 401</b>	2"	150	150	18	70	1,20	2030
<b>MSZ 402</b>	2" 1/2	150	212	20	90	1,40	2900
<b>MSZ 403</b>	3"	150	272	20	100	1,60	3900



## MAINTENANCE

The best time to change your filter element is just before it reaches its maximum dirt-holding capacity. When it is time to change the filter element, switch off the system before opening the tank.

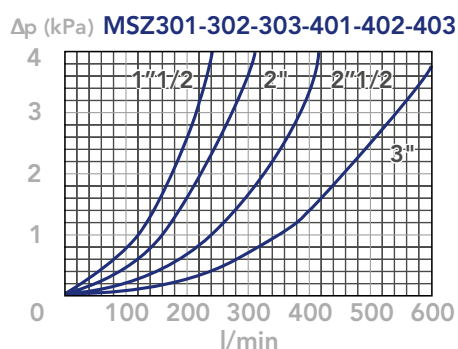
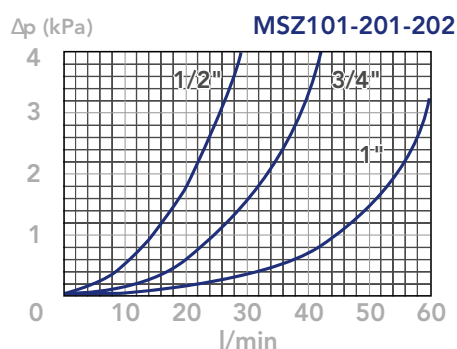
Remove the dirty filter element and replace it with an original UFI Hydraulics element, verifying the part number on the filter cap or in the ordering and option chart. Close the tank.

N.B. The exhausted filter elements and the oil dirty filter parts are classified "Dangerous waste material" and must be disposed according to the local laws, by authorized Companies.

We recommend the stocking of a spare UFI Hydraulics filter element for timely replacement when required.

## PRESSURE DROP CURVES ( $\Delta p$ )

The Pressure Drop ( $\Delta p$ ) must be lower than 3 kPa (0,03 bar).



## N.B.

All the curves have been obtained with mineral oil having a kinematic viscosity 30 cSt and specific gravity 0,86 kg/dm<sup>3</sup>; for fluids with different features, please consider the factors described in the first part of this catalogue. All the curves

are obtained from test done at the UFI FILTERS HYDRAULICS, according to the specification ISO 3968. In case of discrepancy, please check the contamination level, viscosity and features of the fluid in use.