

MSZ

SUCTION

MATERIALS

Connector: polyamide
Internal core: zinc plated steel
End cap: zinc plated steel
Port size: 1/2” ÷ 3”
Flow rate: 15 ÷ 550 l/min

PRESSURE

Collapse, differential for filter element (ISO 10771): 100 kPa (1 bar)

BYPASS VALVE

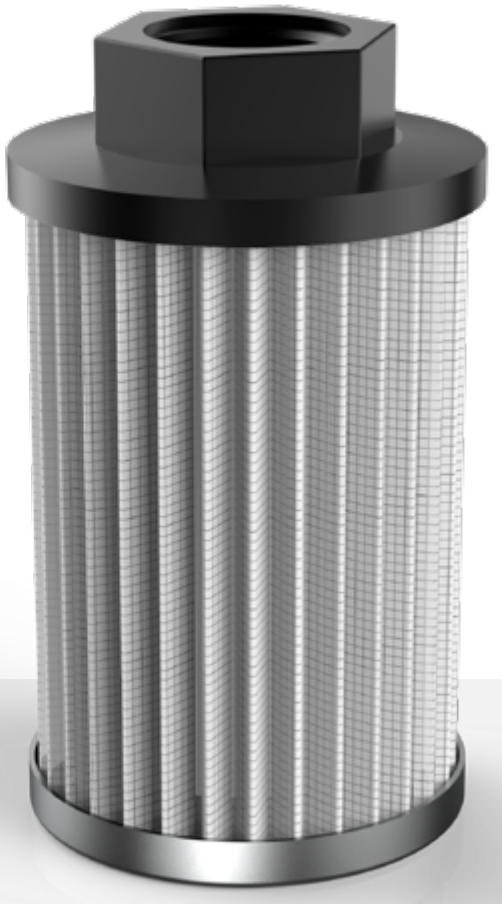
Setting: 30 kPa (0,3 bar) ± 10% on request

WORKING TEMPERATURE

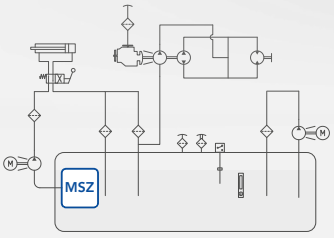
From -25° to +90° C

COMPATIBILITY (ISO 2943)

Full with fluids: HH-HL-HM-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.



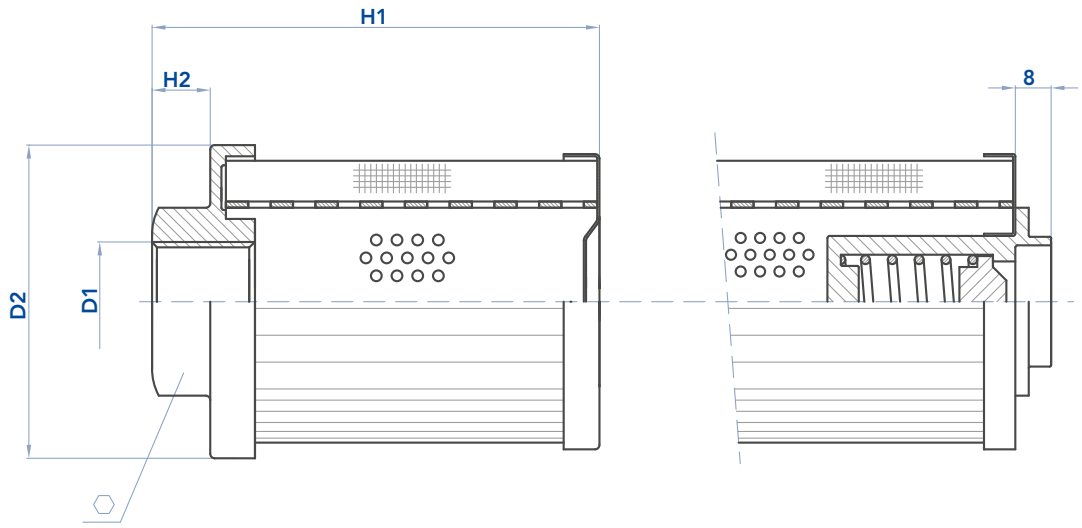
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SUCTION FILTERS

ORDERING AND OPTION CHART

M	S	Z	FILTER ELEMENT FAMILY								
			SIZE & LENGHT	**101**	**201**	**202**	**301**	**302**	**303**	**401**	**402**	**403**
			FILTER MEDIA									
			MN = metal wire mesh 90 µm	MN	MN	MN	MN	MN	MN	MN	MN	MN
			DC = metal wire mesh 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 30 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

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INSTALLATION DRAWING

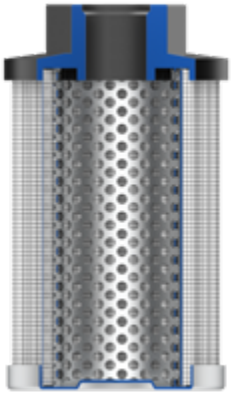


FILTER HOUSING

	D1	D2	H1	H2	⬡	kg	AREA (cm²)
MSZ101	1/2"	46	105,5	14	30	0,12	155
MSZ201	3/4"	64	109,5	14	36	0,22	335
MSZ202	1"	64	139,5	15	46	0,27	450
MSZ301	1" 1/2	86	140	18	60	0,45	610
MSZ302	1" 1/2	86	200	18	60	0,53	920
MSZ303	2"	86	260	18	70	0,56	1190
MSZ401	2"	150	150	18	70	1,20	2030
MSZ402	2" 1/2	150	212	20	90	1,40	2900
MSZ403	3"	150	272	20	100	1,60	3900

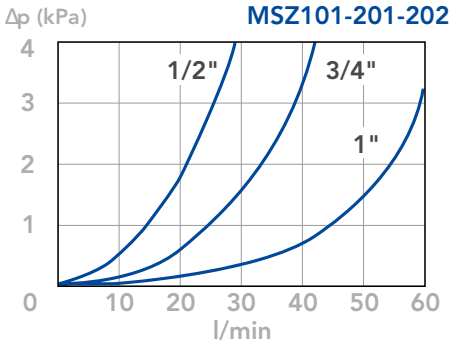


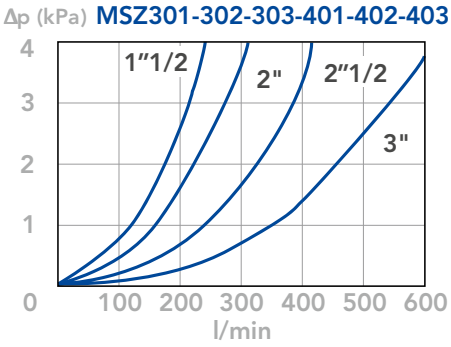
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PRESSURE DROP CURVES (ΔP)

The Pressure Drop (Δp) 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/dm3; 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 HYDRAULIC DIVISION Laboratory, according to the specification ISO 3968. In case of discrepancy, please check the contamination level, viscosity and features of the fluid in use.