MMSGF Duplex High Pressure Filter



Technical specification	
Application:	MMSGF duplex high pressure line filter series
Port options:	Flanged
Flow rate:	max. 660 l/min
Working pressure:	max. 320 bar
Material:	Steel
Compatibility:	Water-glycol & hydraulic oil

Tested according to ISO standards:	ISO2941 Collapse/burst resistance ISO2942 Fabrication integrity ISO2943 Material compatibility integrity ISO3723 Method for end load test ISO3724 Flow fatigue characteristics ISO3968 Pressure drop vs. Flow ISO16889 Multi-pass (filtration performance)

Technical specification subject to change without prior notice. Other specification on request. 2013/07/23

Filter selector **Filter element**

MMSGF

MMSGF – HO 160 22 1

Duplex High Pressure Line Filter

WG: Water Glycol
HO: Hydraulic Oil

Flow rate (l/min)

Filtration rating (µ m)

0: without CMS indicator
1: with CMS indicator

Technical data

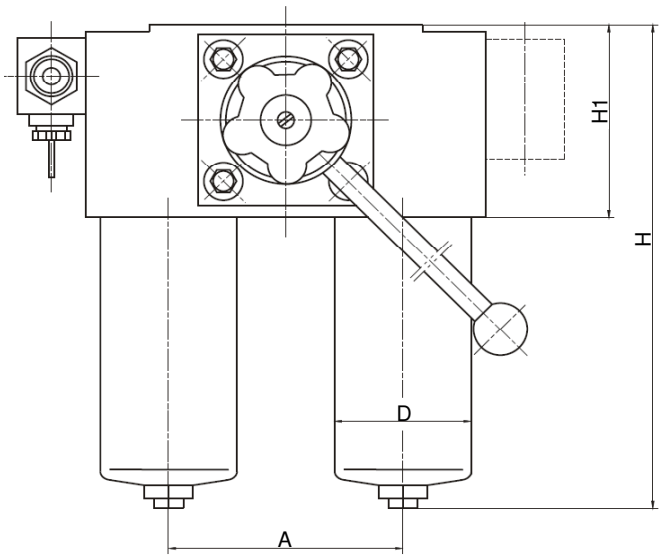
	Flow rate (l/min)	Filtration rating (µ m)	Pressure options (Bar)	Diameter (mm)	Pressure loss (Bar)		Indicator power (V/W)		Element No.
					Initial	Max	(V)	(A)	
MMSGF-	30	4	320	20	⊠0.8	5	12	2.5	MMSGF030-X* µ
	60			20					MMSGF060-X* µ
	110	7		20			24	2	MMSGF110-X* µ
	160			32					MMSGF160-X* µ
	240			32					MMSGF240-X* µ
	330	11		50			36	1.5	MMSGF330-X* µ
	500	22		50			220	0.25	MMSGF500-X* µ
	660			50					MMSGF660-X* µ

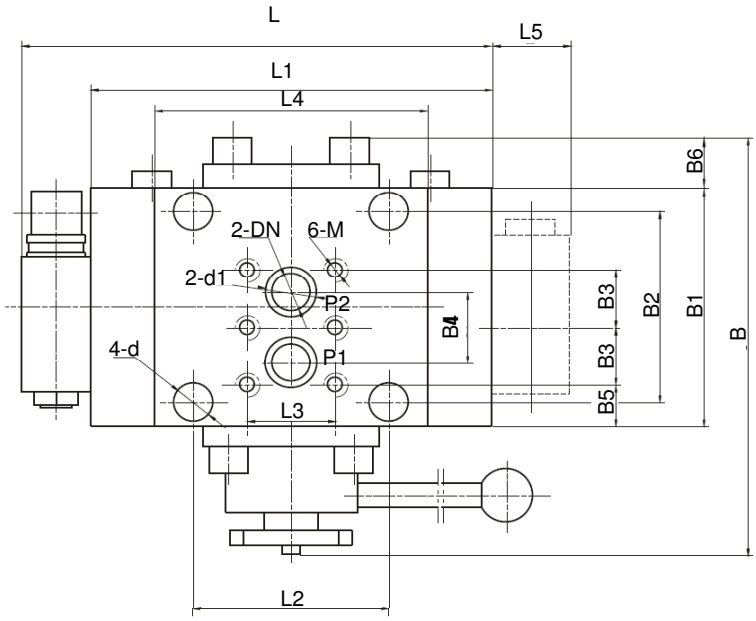
* X= micron

Usage instructions

- When one element becomes blocked and the pressure drop reaches 5 Bar the indicator sends out a signal (electrical + visual) to remind the user that the element needs replacing (at this stage the directional valve should be turned to operate the spare filter)
- If the element is not changed immediately the filter will continue to work until the differential pressure reaches 6 Bar at which stage the by-pass valve will open
- To change the element, ensure the directional valve is diverting the flow through the spare element
- Remove the bowl plug and drain oil
- Once the oil is drained remove the filter bowl, clean down and replace the filter element

Dimensional drawings





Mode	Size (mm)																				
	H	H1	B	B1	B2	B3	B4	B5	B6	A	L	L1	L2	L3	L4	L5	D	DN	d1	d	M
MMSGF-030 X*	180	106	242	136	106	32	36	28	30	120	246	210	104	46	134	44	73	20	28	17.5	M12
MMSGF-060 X*	196	106	242	136	106	32	36	28	30	120	246	210	104	46	134	44	73	20	28	17.5	M12
MMSGF-110 X*	265	106	242	136	106	32	36	28	30	120	246	210	104	46	134	44	73	20	28	17.5	M12
MMSGF-160 X*	251	129	278	172	142	45	48	29	30	140	296	260	110	52	140	44	102	32	40	17.5	M12
MMSGF-240 X*	309	129	278	172	142	45	48	29	30	140	296	260	110	52	140	44	102	32	40	17.5	M12
MMSGF-330 X*	330	152	377	230	190	57	66	41	48	210	414	380	160	85	200	60	146	50	60	26	M20
MMSGF-500 X*	423	152	377	230	190	57	66	41	48	210	414	380	160	85	200	60	146	50	60	26	M20
MMSGF-660 X*	497	152	377	230	190	57	66	41	48	210	414	380	160	85	200	60	146	50	60	26	M20

Notes