



DLF系列压力管路过滤器

DLF HIGH PRESSURE LINE FILTER SERIES

(一) 简介 INTRODUCTION

该过滤器安装在液压系统的压力管路上，安装方式为顶部固定安装，用以滤除液压油中混入的机械杂质和液压油本身化学变化所产生的胶质、沥青质、炭渣质等，从而防止滤芯卡死、节流小孔缝隙和阻尼孔的堵塞以及液压元件过快磨损等故障的发生。

该过滤器过滤效果好，精度高，但堵塞后清洗比较难，而须更换滤芯。

该过滤器设有旁通阀和压差发讯装置，当滤芯污染堵塞到进出口压差为0.5MPa时，即发出开关信号，此时更换滤芯，以达到保护系统安全的目的。

该过滤器滤芯采用玻璃纤维过滤材质的，具有过滤精度高、通油能力大、原始压力损失小、纳污量大等优点，其过滤精度以绝对过滤精度标定，过滤比 $\beta_{3、5、10、20} \geq 200$ ，过滤效率 $n \geq 99.5\%$ ，符合ISO标准。

The filter is installed on the pressure pipeline of the hydraulic system. Installation ways will be top fixed installation. Filter element is made of glass fibre or paper. Differential pressure indicator signals when the pressure drop across filter element reaches 0.5MPa

(二) 型号说明 MODEL CODE

DLF □ · □ - □ □ × □ □ □

E: 电子模拟发讯器 Electronic analog indicator
C: 带CS-IIIIC型压差发讯器 With CS-IIIIC indicator
M1: 带CM-IC型目视压差发讯器 With CM-IC indicator
省略: 不带发讯器 Omit if without indicator

F: 法兰连接 Flanged connection
L: 螺纹连接 Threaded connection

过滤精度 Filtration accuracy (μm)

公称流量 Flow rate (L/min)

公称压力 Pressure class: H: 32MPa

BH: 介质为水—乙二醇 Water-glycel

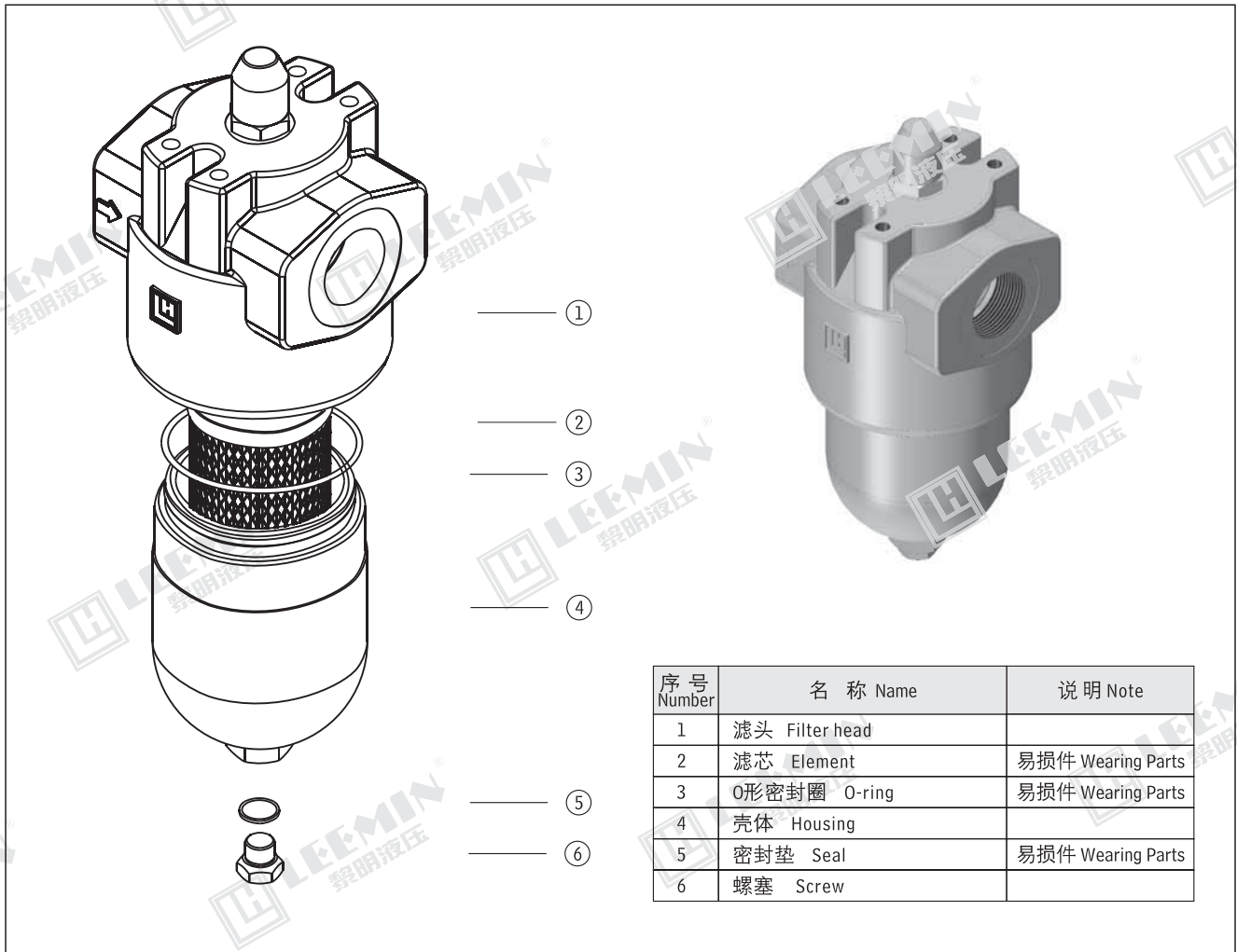
省略: 介质为一般液压油 Omit if use hydraulic oil

I: 带旁通阀 With by-pass valve

省略: 不带旁通阀 Omit if without by-pass valve

压力管路过滤器 Pressure line filter

注: 用户订购过滤器需配【电子模拟发讯器】时，请与我公司技术部联系。



序号 Number	名称 Name	说明 Note
1	滤头 Filter head	
2	滤芯 Element	易损件 Wearing Parts
3	O形密封圈 O-ring	易损件 Wearing Parts
4	壳体 Housing	
5	密封垫 Seal	易损件 Wearing Parts
6	螺塞 Screw	



(三) 技术参数 TECHNICAL DATA

型号 Model	公称流量 Flow rate (L/min)	过滤精度 Filtr. (μ m)	通径 Dia (mm)	公称压力 Press. (MPa)	压力损失 Initial Δ P (MPa)		发讯装置功率 Indicator power (V/W)	滤芯型号 Model of element	连接方式 Connect	
					Initial	Max				
DLF-H30 \times *LC	30	3	15	32	≤ 0.1	0.5	24/48	LH0030D*BN3HC	管式 Thread	
DLF-H60 \times *LC	60		20					LH0060D*BN3HC		
DLF-H110 \times *LC	110		32					LH0110D*BN3HC		
DLF-H160 \times *LC	160							LH0160D*BN3HC		
DLF-H240 \times *LC	240							LH0240D*BN3HC		
DLF-H330 \times *LC	330							LH0330D*BN3HC		
DLF-H500 \times *LC	500		5					38	LH0500D*BN3HC	法兰式 Flange
DLF-H660 \times *LC	660		10						LH0660D*BN3HC	
DLF-H60 \times *FC	60		20					LH0060D*BN3HC		
DLF-H110 \times *FC	110							LH0110D*BN3HC		
DLF-H160 \times *FC	160		32					LH0160D*BN3HC		
DLF-H240 \times *FC	240							LH0240D*BN3HC		
DLF-H330 \times *FC	330	38	LH0330D*BN3HC							
DLF-H500 \times *FC	500		LH0500D*BN3HC							
DLF-H660 \times *FC	660		LH0660D*BN3HC							

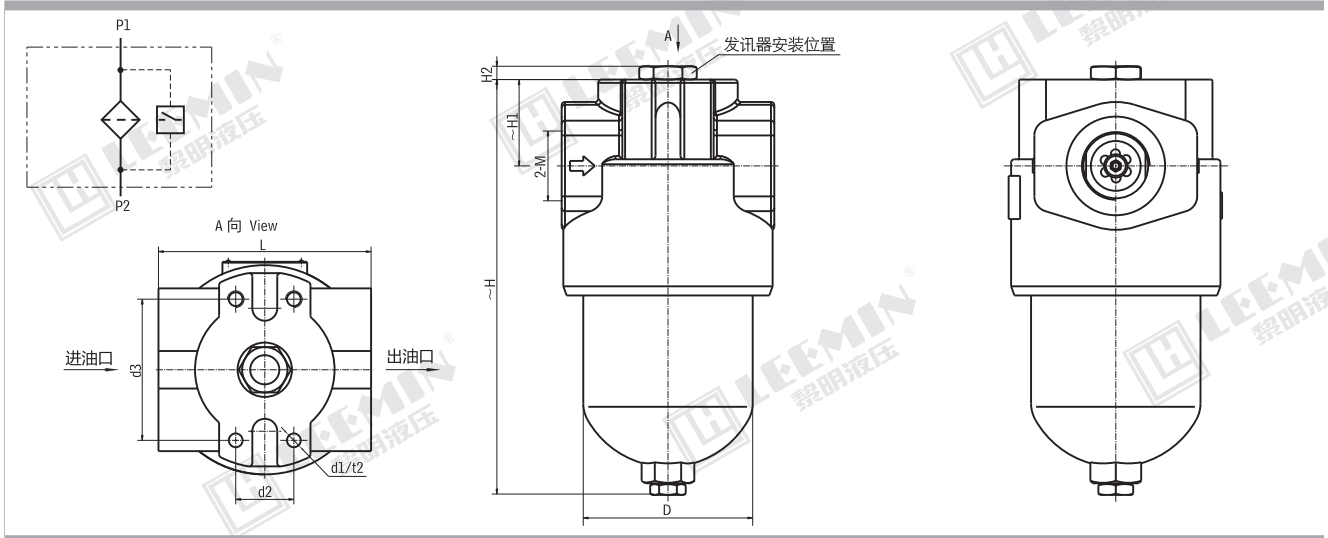
注: *为过滤精度。使用介质为水—乙二醇, 使用压力32MPa, 公称流量60L/min, 过滤精度10 μ m, 带CS-IIIC发讯器, 螺纹连接, 不带旁通阀
则过滤器型号为DLF·BH-H60 \times 10LC, 滤芯型号为LH0060D010BN3HC·BH

Note: *is represents filtration. If the filter fluid is water-glycol, usage pressure 32MPa, flow rate 60L/min, filtration accuracy 10 μ m and the filter equipped with CS-IIIC indicator, thread connect, without by-bass valve. The model of the filter is DLF·BH-H60 \times 10LC, the model of element is LH0060D010BN3HC·BH

(四) 安装外形尺寸 MOUNTING SIZE

1、管式 THREADED CONNECTION

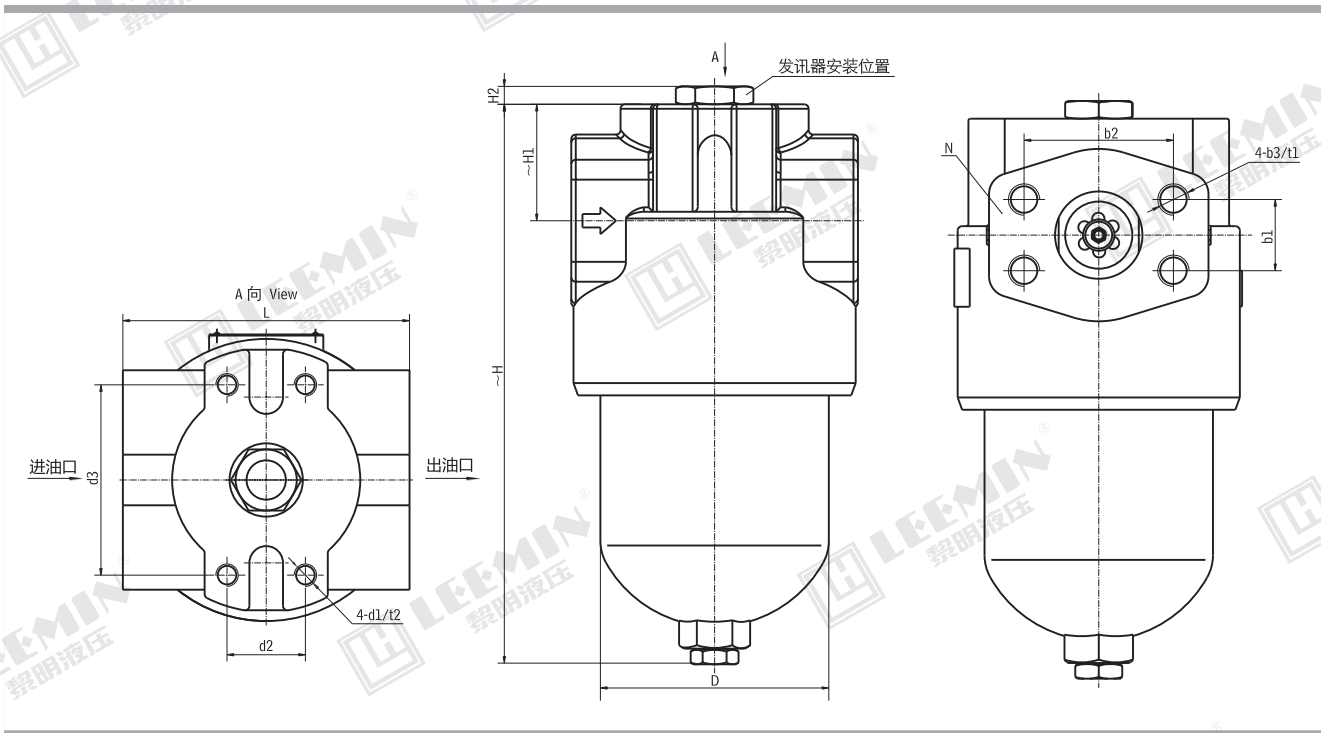
型号 Model	尺寸 Size (mm)								
	~H	~H1	H2	D	M	L	d1/t2	d2	d3
DLF-H30 \times *LC	196	38	7	54	G1/2	70	M5/6	30	45
DLF-H60 \times *LC	196	44		73	G3/4	93	M6/10	32	56
DLF-H110 \times *LC	265	52		102	G1 1/4	128	M10/16	35	85
DLF-H160 \times *LC	251			140	G1 1/2	172	M12/17	60	115
DLF-H240 \times *LC	309								
DLF-H330 \times *LC	343								
DLF-H500 \times *LC	436								
DLF-H660 \times *LC	510								





2、法兰式 FLANGED CONNECTION

型号 Model	尺寸 Size (mm)											
	~H	~H1	H2	D	N	b1	b2	b3/t1	L	d1/t2	d2	d3
DLF-H60 × *FC	196	40	7	73	SAE DN 20	23.8	50.8	M10/15	93	M6/10	32	56
DLF-H110 × *FC	265											
DLF-H160 × *FC	251	52		102	SAE DN 32	31.8	66.7	M14/19	128	M10/16	35	85
DLF-H240 × *FC	309											
DLF-H330 × *FC	343			140	SAE DN 50	44.5	96.8	M20/25	172	M12/17	60	115
DLF-H500 × *FC	436											
DLF-H660 × *FC	510											



(五) 滤芯压差流量曲线 ELEMENT PRESSURE DROP(ΔP)AGAINST FLOW CURVES

