

三十一、DFB 系列高压板式过滤器

DFB PRESSURE FILTER FOR PLATED CONNECTION SERIES

(一) 简介

该高压板式过滤器可直接安装系统的阀块上，用于进一步清除或阻挡由于外界侵入或元件工作时磨损，所产生的杂质。特别适用自动控制系统和伺服系统。它可防止高精度的控制元件和执行元件由于污染而过早磨损或卡死，从而可减少故障，延长元件使用寿命。

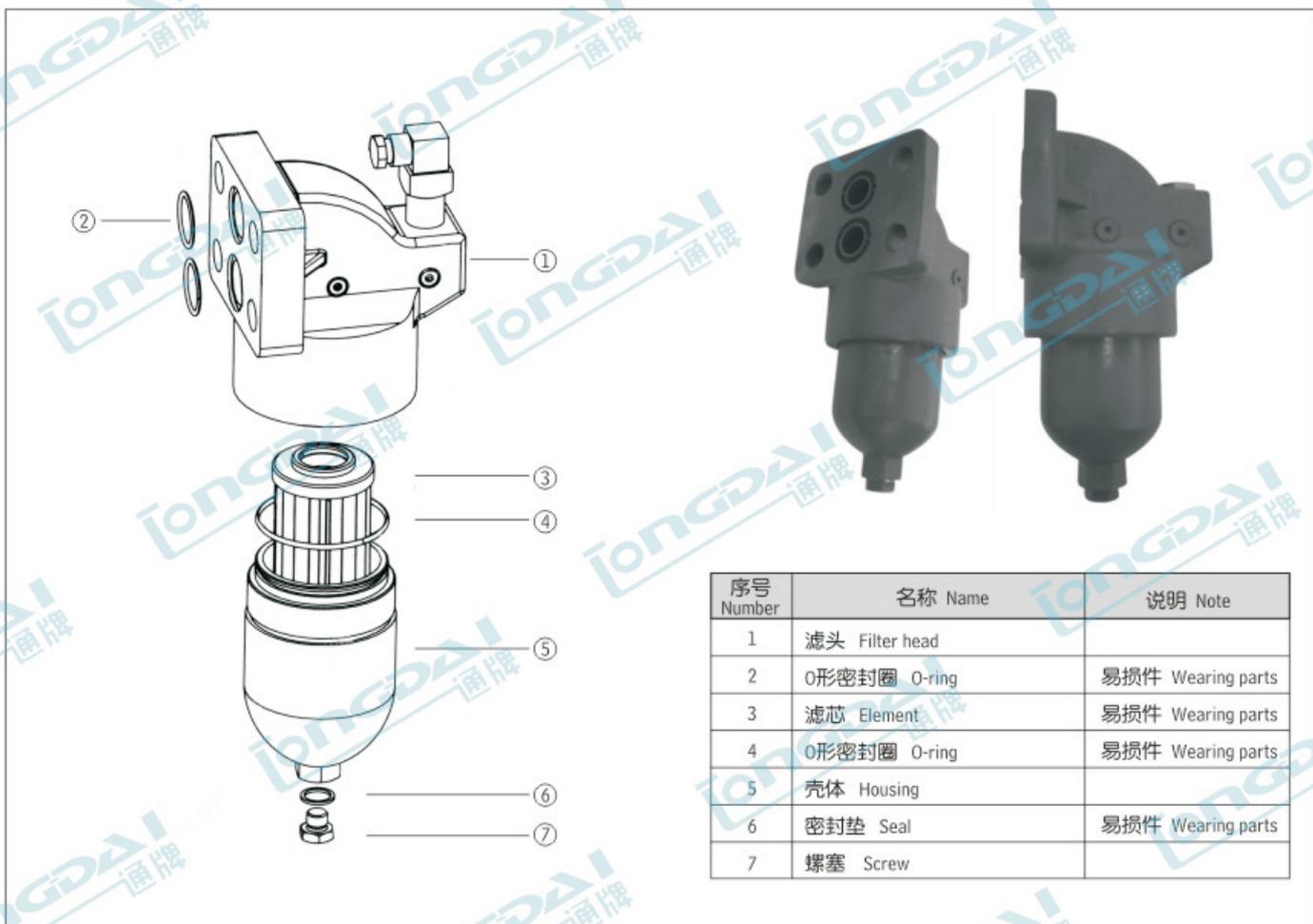
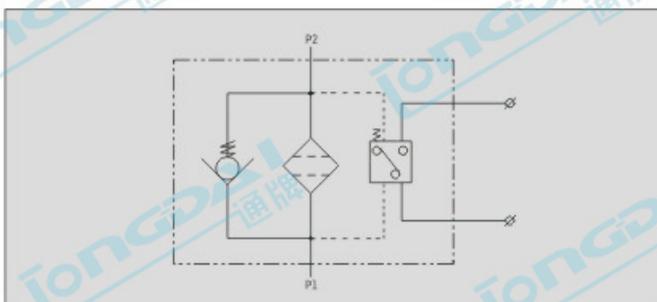
该过滤器设有压差发讯器，当滤芯被污染堵塞到进出口压差为 0.5MPa 时，即发出开关信号，此时应清洗或更换滤芯，此达到保证系统安装的目的。

该过滤器与传统过滤器相比具有安装结构紧凑，体积小，且滤芯采用进口玻璃纤维滤材，具有过滤精度高，通油能力强，原始压力小，纳污量大等优点。过滤精度以绝对过滤精度标定，其过滤比 β_3 、5、10、20 ≥ 200 过滤效率 $\eta \geq 99.5\%$ 。符合 ISO 标准。

INTRODUCTION

DFB series filter is of high pressure type, and used in the pressure line of hydraulic system. It can remove all the contaminants from the hydraulic system. The element of this series is made of glass fibre, it has high efficiency and filtration, large dirt capacity and low initial pressure drop. Beta ratio is over 200.

It has two protection equipment which are by-pass valve and contamination indicator. The indicator will act when the pressure drop across element attains adjustable pressure. The element should be cleaned or changed in time.



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

(二) 型号说明 MODEL CODE

<p>DFB · □ - H □ × □ □</p> <p>高压板式过滤器 Pressure filter for sandwich stacking</p> <p>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</p> <p>公称压力 Pressure class H: 32MPa</p>	<p>c:带CS-IIIC型压差发讯器 With CS-IIIC indicator 省略: 不带发讯器 Omit if without indicator</p> <p>过滤精度 Filtration accuracy (μm)</p> <p>公称流量 Flow rate (L/min)</p>
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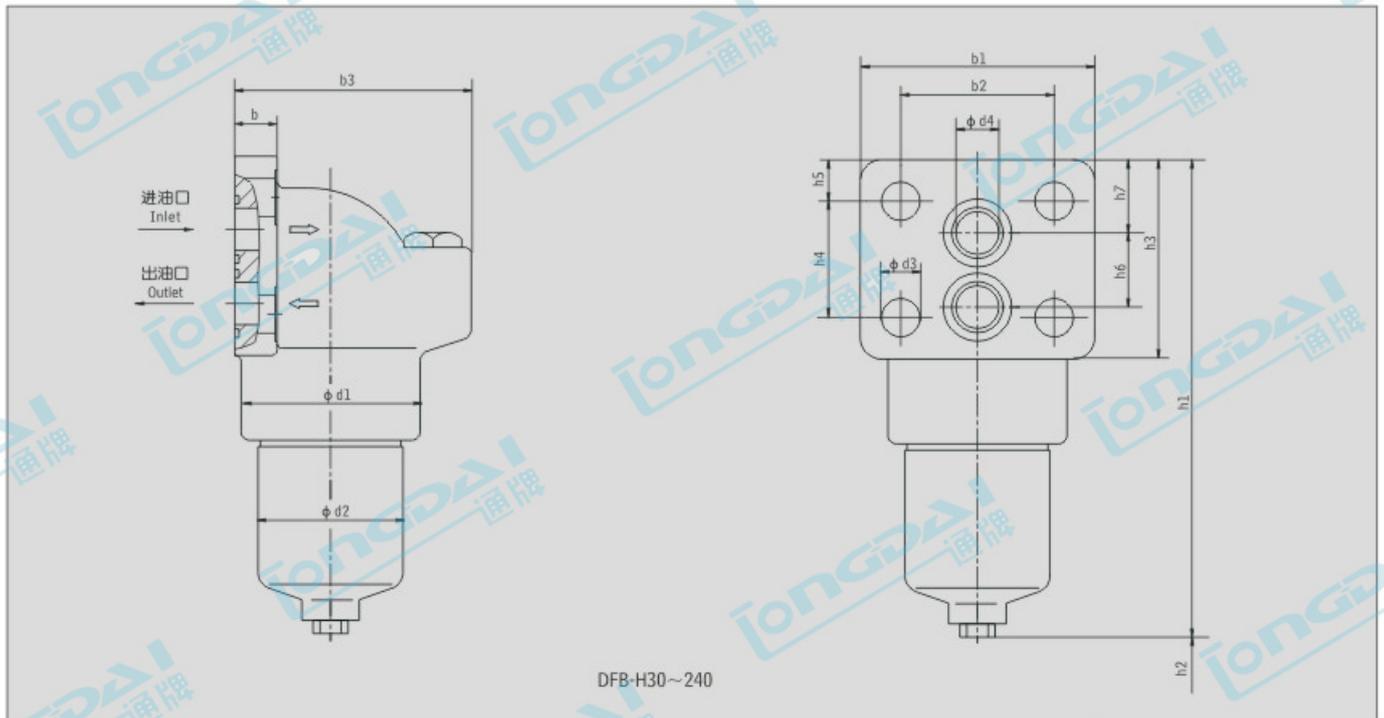
(三) 技术参数 TECHNICAL DATA

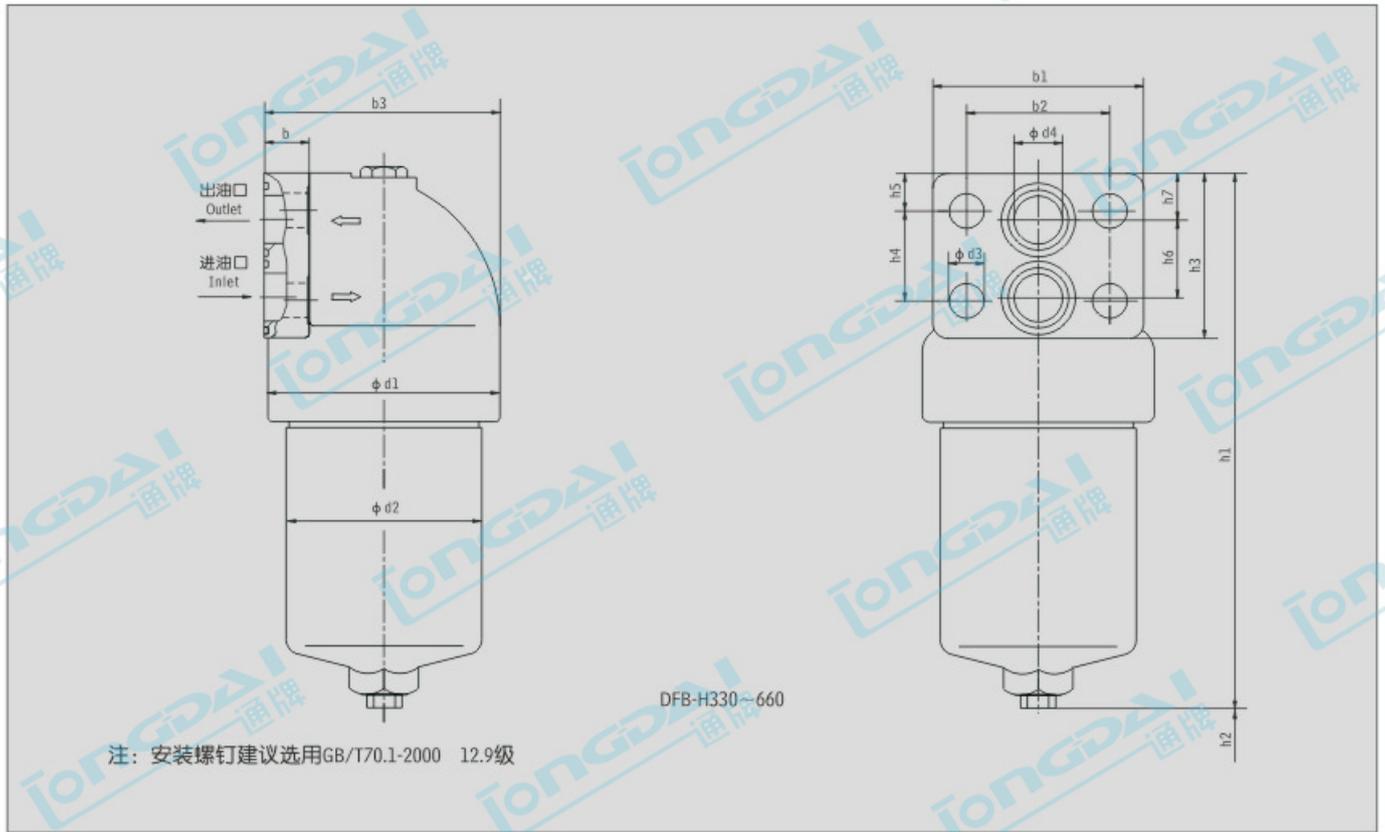
型号 Model	口径 Dia. (mm)	公称流量 Flow rate (L/min)	过滤精度 Filtr. (μm)	公称压力 Press. (MPa)	压力损失 Pressure loss (MPa)		发讯器功率 Indicator power (v/w)	滤芯型号 Model of element	进出油口 O形圈 O-ring
					Initial	Max.			
DFB-H30 × *C	16	30	3	32	≤0.1	0.5	220V/50W	JT0030D*BN3HC	24 × 2.4
DFB-H60 × *C	20	60						JT0060D*BN3HC	32 × 3.1
DFB-H110 × *C		110	JT0110D*BN3HC						
DFB-H160 × *C	32	160	5					JT0160D*BN3HC	
DFB-H240 × *C		240	10					JT0240D*BN3HC	
DFB-H330 × *C		330	20					JT0330D*BN3HC	
DFB-H500 × *C		500	30					JT0500D*BN3HC	
DFB-H660 × *C	660							JT0660D*BN3HC	

注: *为过滤精度。若使用介质为水—乙二醇, 使用压力32MPa, 公称流量60L/min, 过滤精度10 μm , 带CS-IIIC发讯器。则过滤器型号为 DFB · BH-H60 × 10C, 滤芯型号为JT0060D010BN3HC.BH

Note: * is filtration accuracy. If the filter fluid is water-glycol, usage pressure 32MPa, flow rate 60L/min, filtration accuracy 10 μm and with CS-III indicator. The model of the filter is DFB · BH-H60 × 10C, the model of element is JT0060D010BN3HC.BH

(四) 安装外形尺寸 MOUNTING SIZE





型号 Model	$\phi d1$	$\phi d2$	$\phi d3$	$\phi d4$	b	b1	b2	b3	h1	h2	h3	h4	h5	h6	h7
DFB-H30 × *C	67	54	12	16	18	80	57	94	210	75	76	45	15.5	28	30.5
DFB-H60 × *C	92	73	18	20	20	110	72	115	240	75	94	55	19.5	35	34.5
DFB-H110 × *C	92	73	18	20	20	110	72	115	309	75	94	55	19.5	35	34.5
DFB-H160 × *C	124	102	22	32	30	140	95	153	293	85	110	60	25	52	31
DFB-H240 × *C	124	102	22	32	30	140	95	153	351	85	110	60	25	52	31
DFB-H330 × *C	170	146	22	32	30	140	95	172	372	115	110	58	26	52	32
DFB-H500 × *C	170	146	22	32	30	140	95	172	454	115	110	58	26	52	32
DFB-H660 × *C	170	146	22	32	30	140	95	172	528	115	110	58	26	52	32