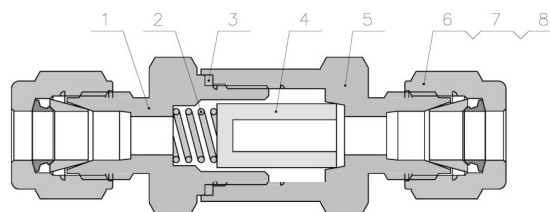


GV系列 线型直通过滤器

GV series Linear straight pass filter



功能简介

GV系列是一款线型直通过滤器,用于过滤掉流体中微粒及污物,保护下游流体设备,线型结构紧凑,可用于空间受限的环境,清洗滤芯需要将过滤器从管线拆除后反向吹扫。

性能特点

- 工作压力max:3000psig (206bar);
- 工作温度max:850F 0(454°C);
- 可替换的烧结式滤芯,公称孔精度有3、7、15、30微米,
- 终端连接范即:03-12mm;1/8-1/2in;

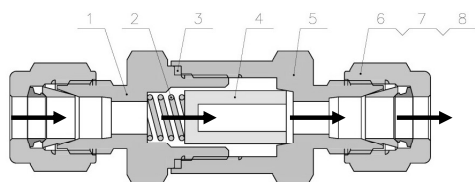
Functional Introduction

The GV series is a linear straight-through filter used to filter out particles and dirt in the fluid and protect downstream fluid equipment. The linear structure is compact and can be used in environments with limited space. To clean the filter element, the filter needs to be removed from the pipeline and then blown in reverse.

Performance features

- Working pressure max: 3000psig (206bar);
- Working temperature max: 850F 0 (454°C);
- Replaceable sintered filter element, nominal pore accuracy 3, 7, 15, 30 microns,
- Terminal connection range: 03-12mm; 1/8-1/2in;

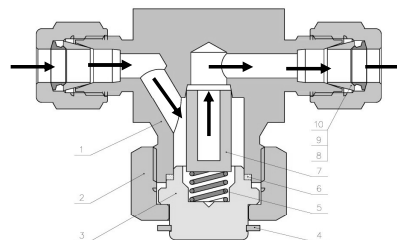
零件材料—GV-2型/Parts material-GV-2



号码	零件/Parts	材料 /Material
1	入口阀体/Inlet valve body	316SS
2	弹簧/Spring	SUS304
3	密封圈/Seal ring	RPTFE
4	过滤芯/Filter element	316L粉末烧结
5	出口阀体/Outlet valve body	316SS
6	前卡套/Front ferrule	316SS
7	后卡套/Rear ferrule	316SS
8	螺帽/Nut	316SS

号码	零件/Parts	材料 /Material
1	阀体/Valve body	316SS
2	锁紧螺母/Locking nut	316SS
3	连接体/Connector	316SS
4	弹性挡圈/Elastic retaining ring	304SS
5	弹簧/Spring	SUS304
6	密封圈/Seal ring	RPTFE
7	过滤芯/Filter element	316L 粉末烧结
8	前卡套/Front ferrule	316SS
9	后卡套/Rear ferrule	316SS
10	螺帽/Nut	316SS

零件材料—GV-1型/Parts material-GV-1



温度及压力/Temperature and pressure

阀体材料	316SS			
温度等级	常温配置		高温配置	
系列	通径4mm以下	通径7mm	通径7mm以下	通径7mm
温度 (°C)	工作压力psig (bar)			
-20 ~ 37	3000 (207)	2500 (172)	3000 (207)	2500 (172)
~ 93	2580 (178)	2150 (148)	2580 (178)	2150 (148)
~ 148	2330 (161)	1930 (133)	2330 (161)	1930 (133)
~ 204	2140 (148)	1770 (122)	2140 (148)	1770 (122)
~ 260	—	—	2000 (138)	1655 (114)
~ 315	—	—	1900 (131)	1570 (108)
~ 398	—	—	1760 (121)	1450 (100)
~ 454	—	—	1690 (117)	1390 (96)

选型指南/Selection Guide

HF	-	GV	-	2	-	K3	-	7	-	H
阀门材料	阀门分类		过滤器类型		入口/出口端接		过滤精度		温度	
标识	材料	过滤器类	标识	类型	公制有: 3mm、6mm、8mm、10mm、12mm 英制有: 1/8"、1/4"、3/8"、1/2"		标识	过滤精度	标识	温度
SS	316L不锈钢		1	T型			3	2~5微米	无	200°C
			2	直通型			7	5~10微米	H	450°C
			3	三通型			15	10~20微米		
							30	20~40微米		

测试/Test

阀门出厂前均经过1000psi(69bar)氮气检漏,漏率不超过0.1std·cm³/min。

All valves are leak tested with 1000psi (69bar) nitrogen before leaving the factory, and the leakage rate does not exceed 0.1std·cm³/min.

应用及安全/Application and security

- 因为过滤器阻尼效应,使用在压力控制阀前端(如卸荷阀、背压阀),会造成压力相应延迟,过滤的杂质越多阻尼越明显,所以时常清洗滤芯是必要的;
- 注意阀体上指示流体方向的箭头,请勿使流体反向通过。
- Because of the damping effect of the filter, when used at the front end of the pressure control valve (such as the unloading valve, back pressure valve), it will cause a delay in the pressure response. The more impurities filtered, the more obvious the damping, so it is necessary to clean the filter element frequently;
- Pay attention to the arrow indicating the direction of the fluid on the valve body, and do not allow the fluid to pass in the reverse direction.

禁止!/Prohibited!

- 用户在选型时需谨慎考虑材料兼容性、应用环境及产品参数等细节;
- 产品是否适用,安装、操作、维护是否安全便利,生产厂家和用户需各自承担相应的责任;
- 错误的选型、安装和使用可能会造成财产损失,甚至危及人身安全。
- When selecting a product, users should carefully consider details such as material compatibility, application environment, and product parameters;
- Whether the product is applicable, and whether the installation, operation, and maintenance are safe and convenient, the manufacturer and the user shall each bear the corresponding responsibilities;
- Wrong selection, installation, and use may cause property loss and even endanger personal safety.

本册产品有未列出的规格和参数,详情请咨询我们的销售工程师。

The products in this catalog have specifications and parameters not listed in this catalog.
Please consult our sales engineers for details.