

FGR200-正位移流量计（齿轮流量计）

- ▶ 耐高压
- ▶ 可测量各种粘性介质
- ▶ 高精度度和高重复性
- ▶ 脉冲输出/模拟量输出可选
- ▶ 测量范围广

当液体流经齿轮流量计的测量腔时会推动齿轮转动，每个齿谷和测量腔壁形成的空间中所包含的液体体积相等。通过特定的传感器探测经过的齿轮数即可测量出流过的液体体积，安装时无需直管段。

FGR200系列流量计不受介质粘度的影响，有极高的量程比，测量精度，分辨率和极低的响应时间，即使是超小流量，也可维持测量的高精度。

FGR200系列可以测量双向流动的介质，配合双传感器还可识别流向，因此它可被用于测量油缸的位移量而不会损坏产品。

FGR200系列共有9个量程范围可从0.006...2L/min到4.0...450L/min。可选配脉冲，电流，电压输出型传感器。



Specifications 规格表

测量介质	液体
准确度	±0.5%读值，±0.3%读值可选
粘度	* > 30cst
重复性	±0.1%读值
耐压	见选型表
环境温度	-40...85℃
探头工作温度	-40...100℃，高温型200℃
材料	
主体	316不锈钢或阳极氧化铝
齿轮	不锈钢
密封	FKM(NBR,PTFE,EPDM,FEP,FFKM,FVMQ可选)
密封圈温度	FKM(-15℃...150℃),EPDM(-30℃...130℃)
	FEP(-30℃...220℃),FFKM(-15℃...220℃)
轴承	不锈钢滚珠轴承,硬质合金钢滑动轴承

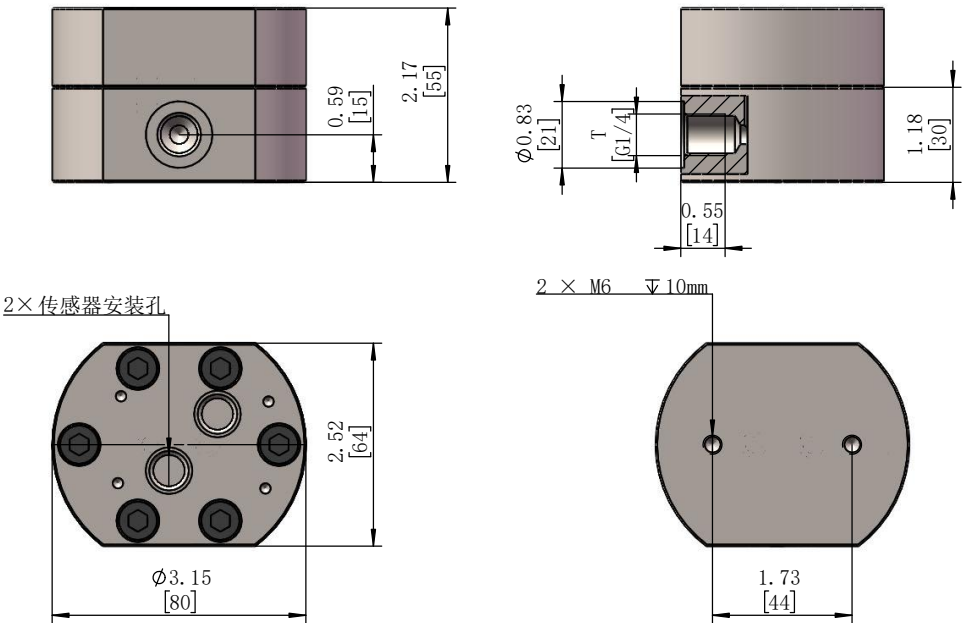
*粘度<30cst时可调低K值，缩窄量程使用。

Applications 应用

- ▶ 油墨测量
- ▶ 树脂，硅胶，胶水测量
- ▶ 液压油，润滑油，油脂测量
- ▶ 冷却液测量
- ▶ 溶剂测量
- ▶ 燃料油测量
- ▶ 聚氨酯测量
- ▶ 刹车液测量
- ▶ 油缸位移测量

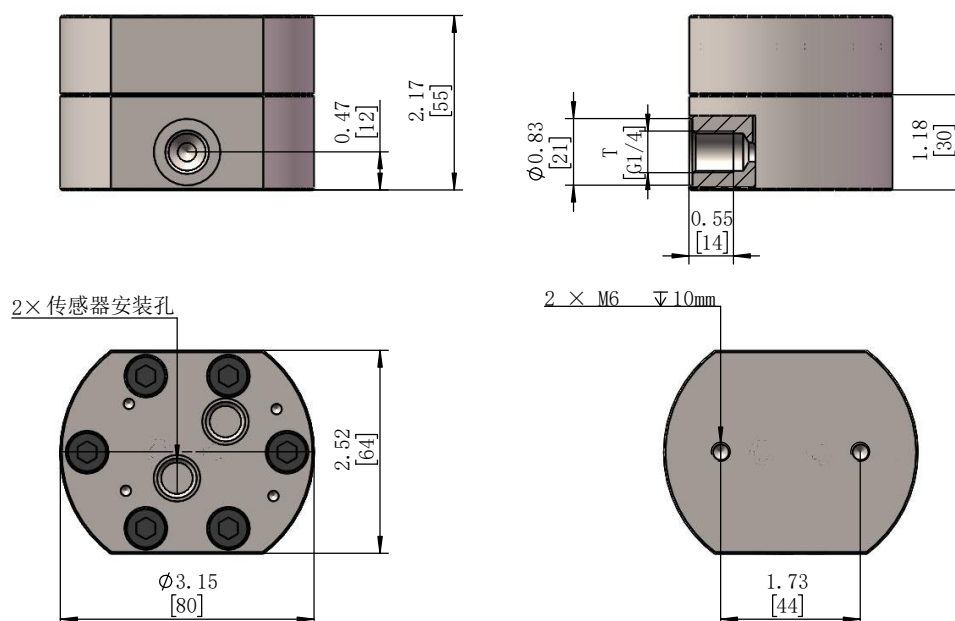
Dimensions in inches[mm] 尺寸图 inches[mm]

FG0002/FG1002 - 2L/Min

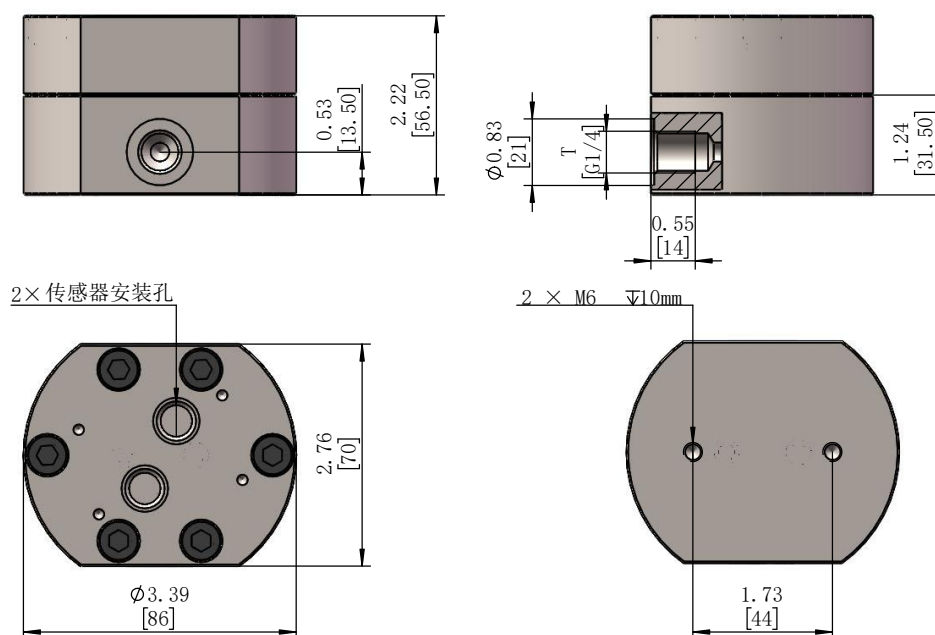


Dimensions in inches[mm] 尺寸图 inches[mm]

FG0003/FG1003 - 3L/Min

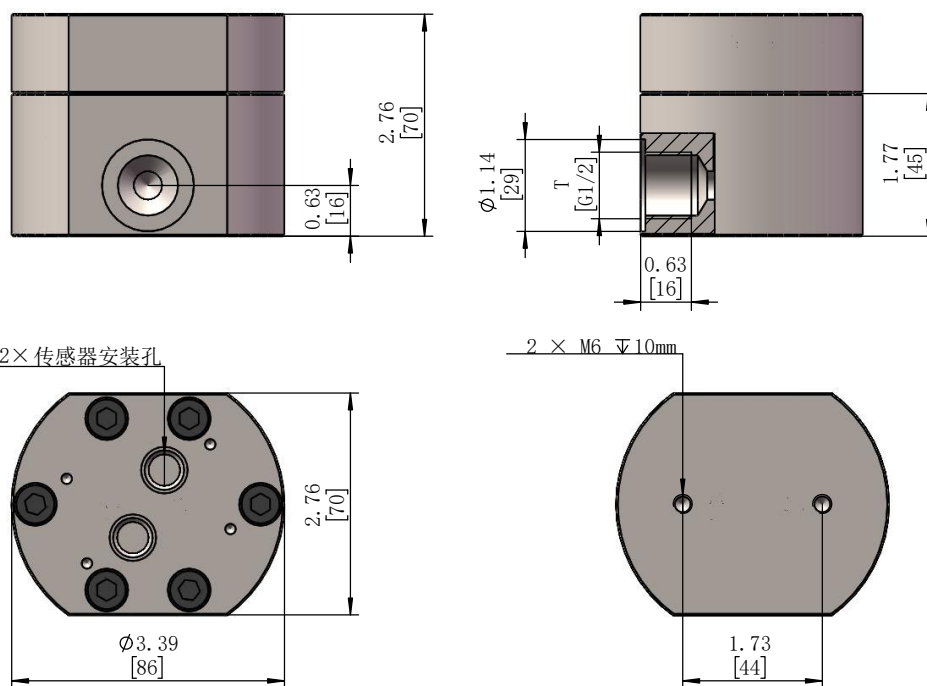


FG0008/FG1008 - 7.5L/Min

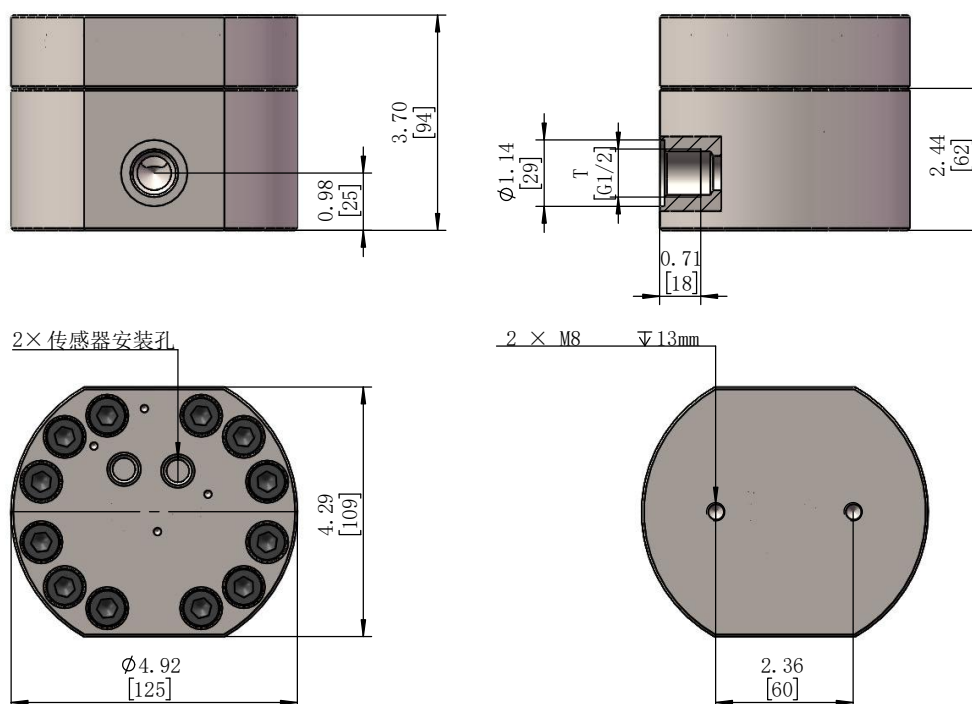


DiDimensions in inches[mm] 尺寸图 inches[mm]

FG0025 FG1025 - 25L/Min

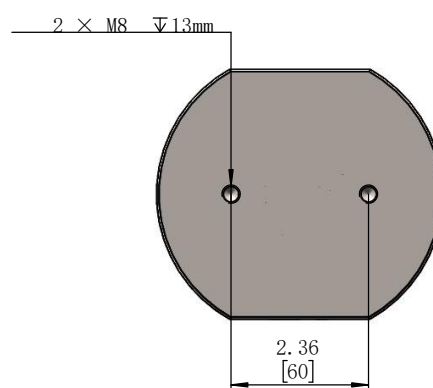
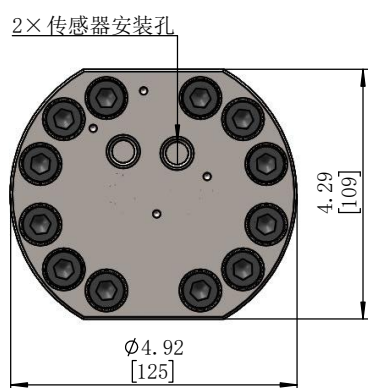
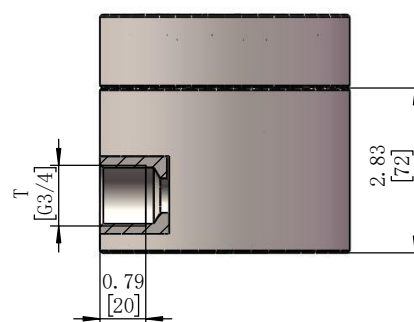
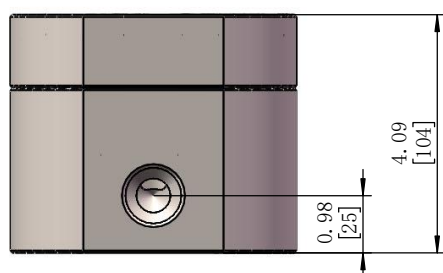


FG0040/FG1040 - 40L/Min

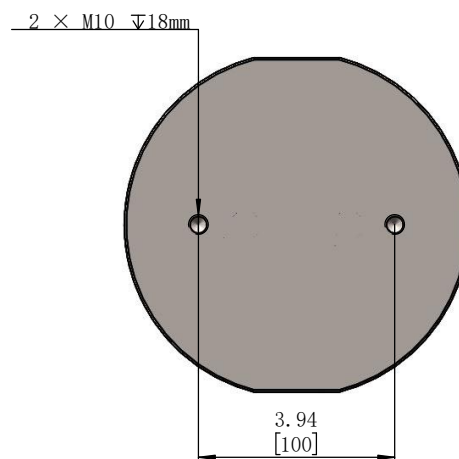
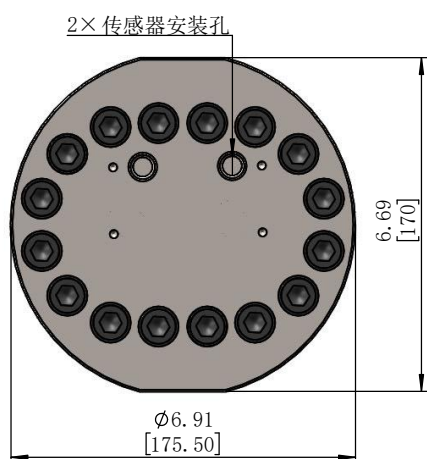
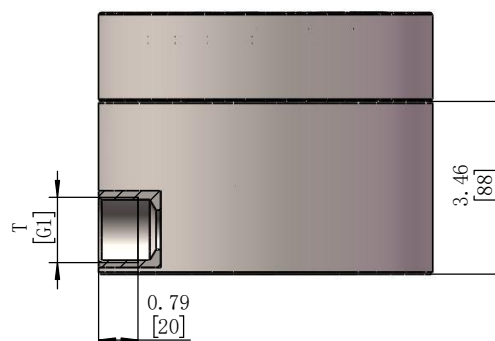
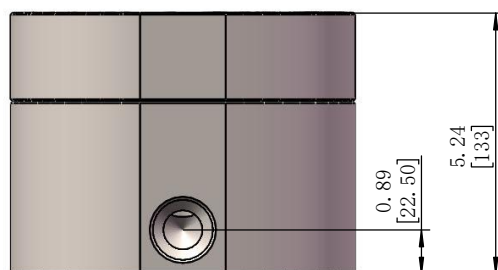


Dimensions in inches[mm] 尺寸图 inches[mm]

FG0075 FG1075 - 75L/Min

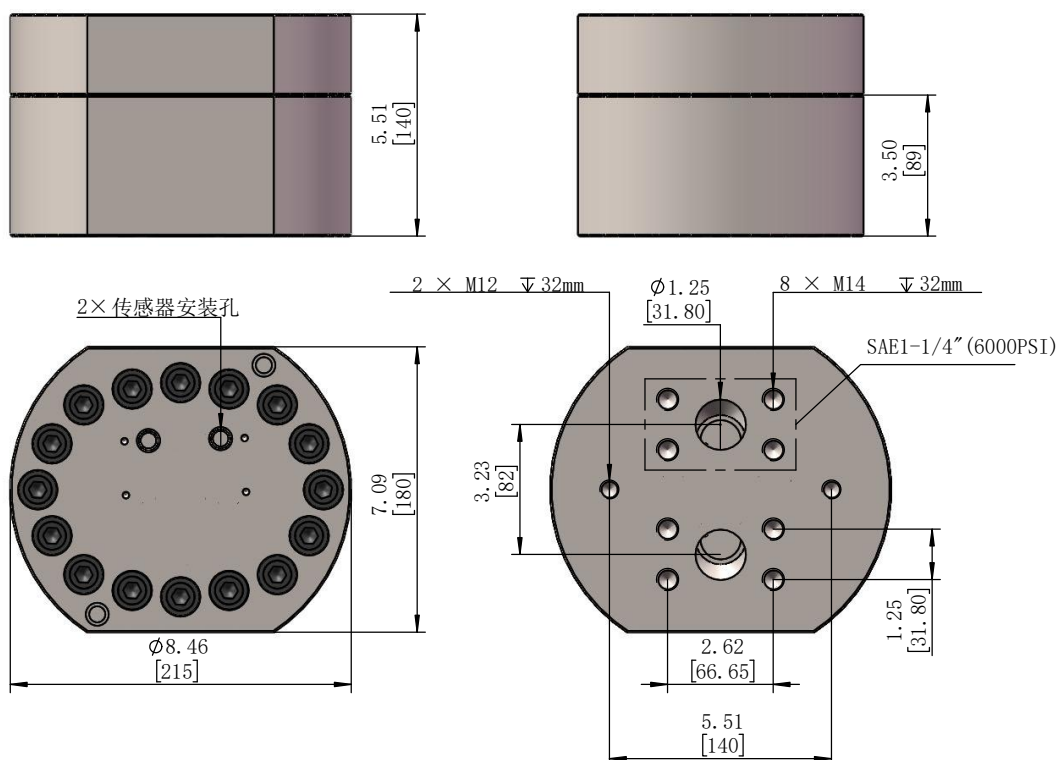


FG00FA/FG10FA - 150L/Min

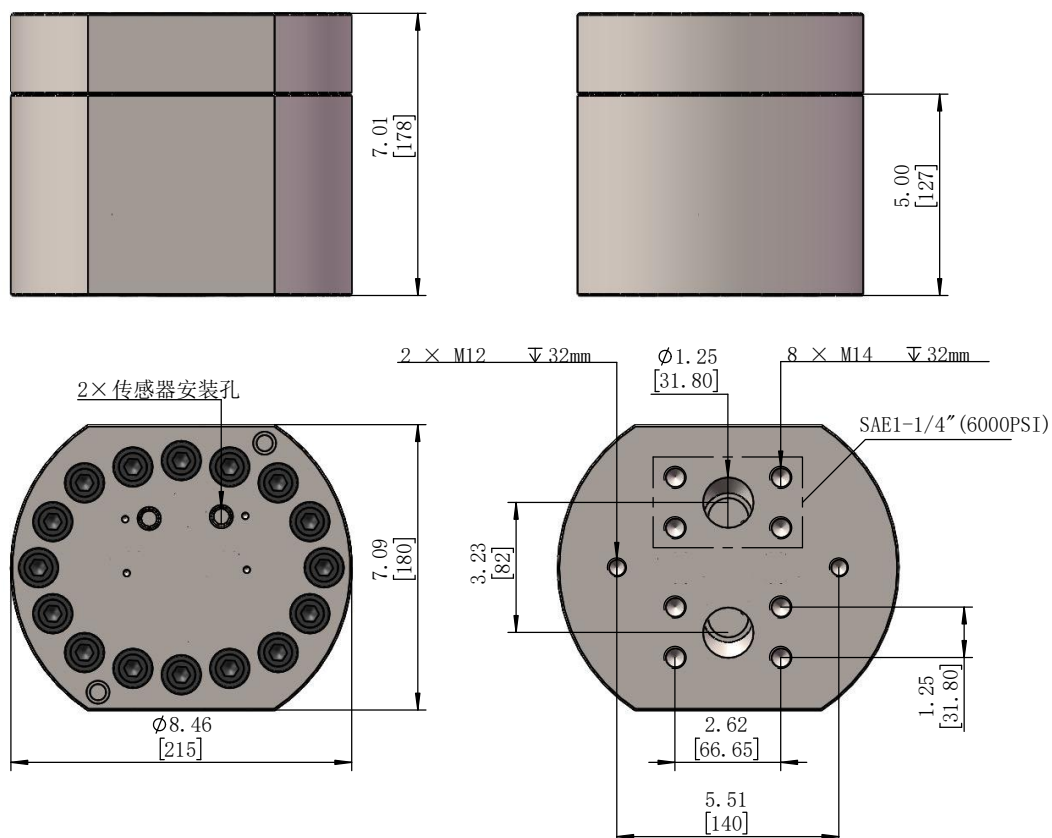


Dimensions in inches[mm] 尺寸图 inches[mm]

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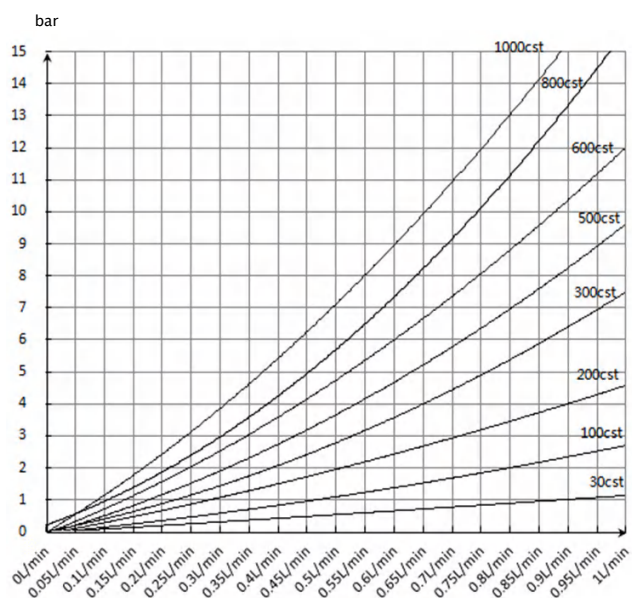


FG00UF/FG10UF - 450L/Min

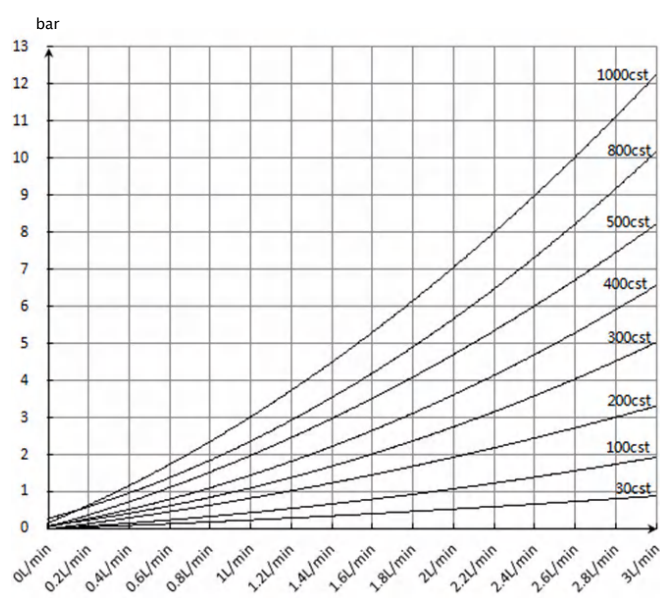


Pressure Loss / Viscosity / Flow Rate 压损/粘度/流量图

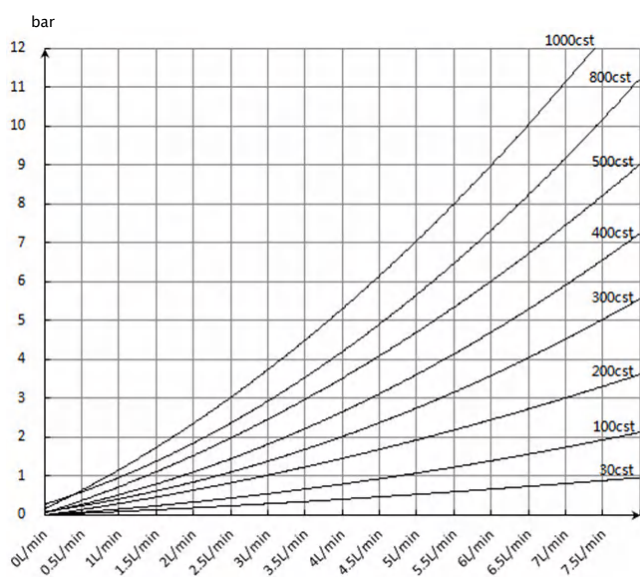
FGR200...002



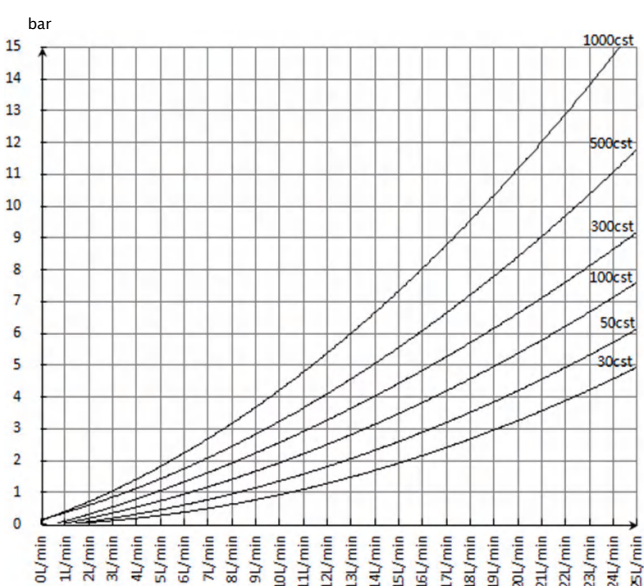
FGR200...003



FGR200...007.5



FGR200...025

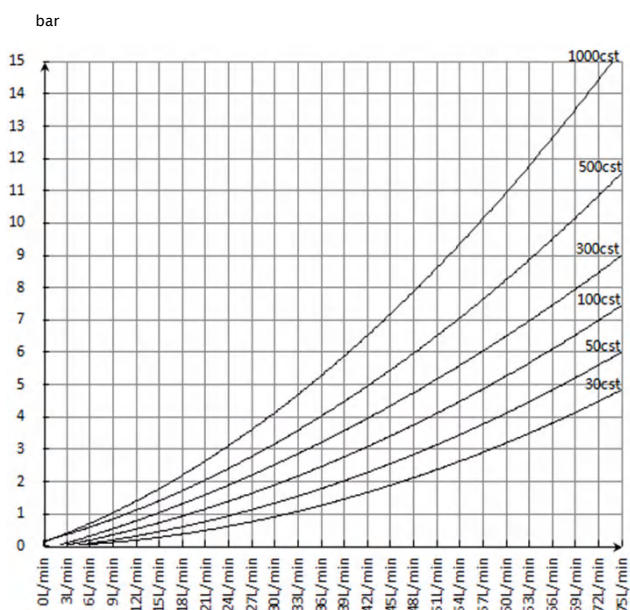


FLOW

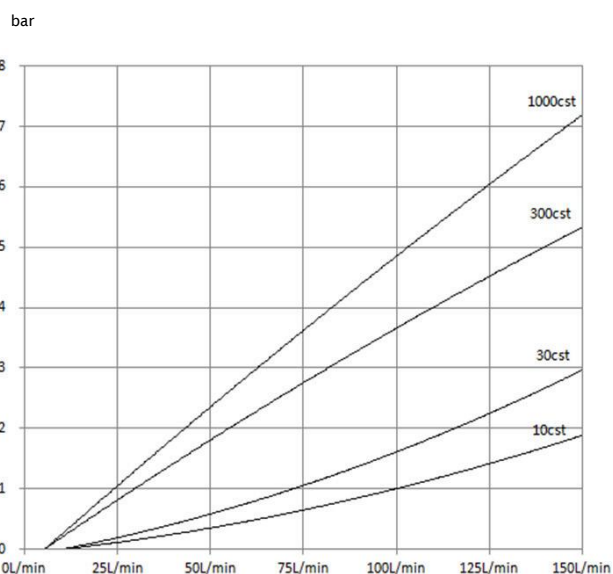
Pressure Loss / Viscosity / Flow Rate 压损/粘度/流量图

FLOW

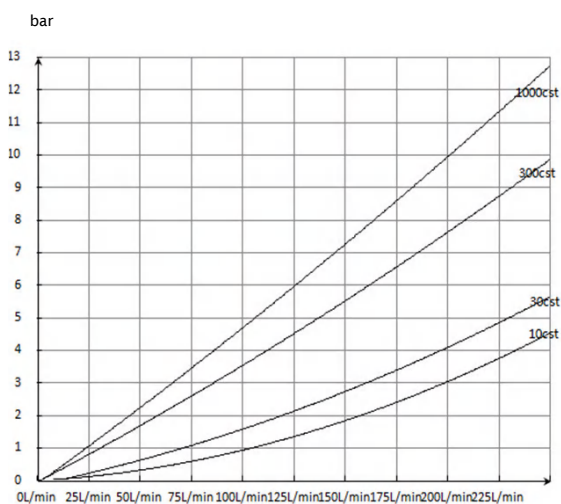
FGR200...075



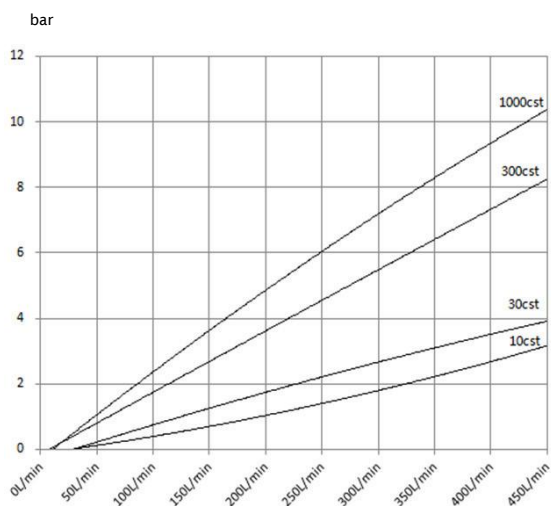
FGR200...150



FGR200...225



FGR200...450

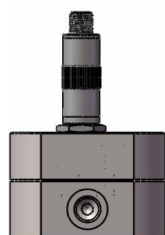


Recommend Product Order Code 推荐产品订货号

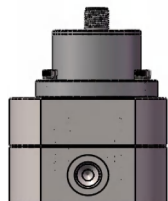
* 推荐产品型号通常备有库存，产品供货日期更快。更多产品选型请联系厂家！

产品订货号 Order NO.	规格型号 Type	外壳材质 Material	测量范围 L/Min	K系数 IMPULSE/L	最大耐压 Bar	过程连接 G内螺纹	滤网孔 最大直径 (micron)
FG0002	FGR200G1/4SBBF2L	316 不锈钢	0.02—2.0	40000	690	G1/4	30
FG0003	FGR200G1/4SBBF3L		0.03—3.0	13500	690	G1/4	30
FG0008	FGR200G1/4SBBF7.5L		0.075—7.5	4200	690	G1/4	30
FG0025	FGR200G1/2SBBF25L		0.25—25.0	1400	690	G1/2	30
FG0040	FGR200G1/2SBBF40L		0.4—40.0	840	690	G1/2	30
FG0075	FGR200G3/4SBBF75L		0.75—75.0	450	690	G3/4	200
FG00FA	FGR200G1SBBF150L		1.5—150.0	190	420	G1	200
FG00FF	FGR200S114SBBF225L		2.25—225.0	110	420	SAE1-1/4"	200
FG00UF	FGR200S114SBBF450L		4.5—450.0	55	420	SAE1-1/4"	200
FG1002	FGR200G1/4ABBF2L	高强度 阳极氧化铝	0.02—2.0	40000	250	G1/4	30
FG1003	FGR200G1/4ABBF3L		0.03—3.0	13500	250	G1/4	30
FG1008	FGR200G1/4ABBF7.5L		0.075—7.5	4200	250	G1/4	30
FG1025	FGR200G1/2ABBF25L		0.25—25.0	1400	250	G1/2	30
FG1040	FGR200G1/2ABBF40L		0.4—40.0	840	250	G1/2	30
FG1075	FGR200G3/4ABBF75L		0.75—75.0	450	250	G3/4	200
FG10FA	FGR200G1ABBF150L		1.5—150.0	190	150	G1	200
FG10FF	FGR200S114ABBF225L		2.25—225.0	110	150	SAE1-1/4"	200
FG10UF	FGR200S114ABBF450L		4.5—450.0	55	150	SAE1-1/4"	200

可选传感器类型



脉冲输出型RS2000



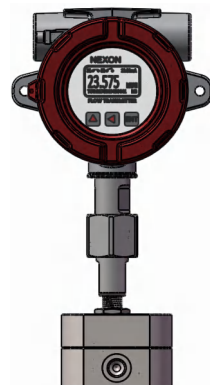
脉冲输出型RS2020



模拟输出型VA2000
频率输出型RF2000



DWE数显型DW2002



BT防爆数显型BT2002

Model Number Table 选型表

FGR200 : 齿轮流量计

接口螺纹:

G1/4	螺纹尺寸G1/4 (对应测量范围2L/3L/7.5L)
G1/2	螺纹尺寸G1/2(对应测量范围25L/40L)
G3/4	螺纹尺寸G3/4 (对应测量范围75L)
G1	螺纹尺寸G1 (对应测量范围150L)
NPT1/4	螺纹尺寸NPT1/4 (对应测量范围2L/3L/7.5L)
NPT1/2	螺纹尺寸NPT1/2(对应测量范围25L)
NPT3/4	螺纹尺寸NPT3/4 (对应测量范围75L)
NPT1	螺纹尺寸NPT1 (对应测量范围150L)
S114	SAE 1-1/4"法兰 (对应测量范围225L/450L)

外壳材质:

S	不锈钢
A	铝

FGR200	G1/4	S	BB	N	7.5L
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轴承:

BB	滚珠轴承
TC	滑动轴承

密封圈材质 (详见技术参数):

F:	FKM	P:	FEP
N:	NBR	L:	FFKM
T:	PTFE	V:	FVMQ
E:	EPDM		

测量范围 (详见技术参数):

2L:	流量上限2L/min
3L:	流量上限3L/min
7.5L:	流量上限7.5L/min
25L:	流量上限25L/min
40L:	流量上限40L/min
75L:	流量上限75L/min
150L:	流量上限150L/min
225L:	流量上限225L/min
450L:	流量上限450L/min