

# 63/75/98 旋压密封耐震压力表

( 513 )

## 63/75/98 Roll formed Vibration-proof pressure gauge

### 特点：

仪表外壳采用 SUS304 不锈钢材料  
旋压锁边工艺的紧密密封  
可现场充油  
四种不同的安装形式  
高达 160MPa 的测量范围  
真空压力、正负联程压力的测量

### Features:

SUS304 Case as standard  
Hermetically sealed  
crimped ring case  
Field fillable  
4 Mounting Options  
Ranges to 160 psi  
Wide measuring ranges



### 简介

本公司生产的旋压密封充油压力表是为适应较恶劣的使用环境而设计的，特别是针对被测介质和环境的震动有明显的缓冲效果。通过向表内充油，对机内的另部件起到了润滑的作用，同时也延长了仪表的使用寿命。针对测量介质及环境的腐蚀性状况，仪表可选择铜内机的一般型及不锈钢内机的防腐型。

其旋压锁边工艺的使用极大的减少了泄漏的可能，并为现场充油提供了方便。本产适用于液压系统、空气干燥器、压机、泵、自动化设备、农业机械、造纸业、铸造设备及海洋等领域对气体和液体压力的测量。

### Introduction

Our filled gauge with crimped ring case are designed to perform in rugged applications and harsh environmental conditions. These gauges offer a significant cushioning and dampening effect. Also the filling liquid can lubricate the internals and provide a longer gauge life.

The hermetically sealed construction reduces the chance of leaks. The special movement construction makes the gauge more reliable.

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产品展示 Production	仪表类型 Types	型号标示 Type code
径向直接安装 Bottom mounting 代码 code: AO ( ) 63 75 98 	铜内机干式 Brass internals, dry type	P-( ).AO.513
	铜内机充液耐震 Brass internals, liquid filling	PGV-( ).AO.513
	钢内机干式 Stainless Steel internals, dry type	PG-( ).AO.513
	钢内机充液耐震 Stainless Steel internals, liquid filling	PGVR-( ).AO.513
轴向直接安装 Back mounting 代码 code: ZO ( Z ) 	铜内机干式 Brass internals, dry type	P-( ).BO.513
	铜内机充液耐震 Brass internals, liquid filling	PGV-( ).BO.513
	钢内机干式 Stainless Steel internals, dry type	PG-( ).BO.513
	钢内机充液耐震 Stainless Steel internals, liquid filling	PGVR-( ).BO.513
轴向嵌装 Back mounting 代码 code: ZT ( ZT ) 	铜内机干式 Brass internals, dry type	P-( ).ZT.513
	铜内机充液耐震 Brass internals, liquid filling	PGV-( ).ZT.513
	钢内机干式 Stainless Steel internals, dry type	PG-( ).ZT.513
	钢内机充液耐震 Stainless Steel internals, liquid filling	PGVR-( ).ZT.513
轴向U型卡子安装 Back U clamp mounting 代码 code: ZK ( ZK ) 	铜内机干式 Brass internals, dry type	P-( ).ZK.513
	铜内机充液耐震 Brass internals, liquid filling	PGV-( ).ZK.513
	钢内机干式 Stainless Steel internals, dry type	PG-( ).ZK.513
	钢内机充液耐震 Stainless Steel internals, liquid filling	PGVR-( ).ZK.513

## 技术参数

执行标准：	JB/T6804-1993
精    度：	2 1/2 正常使用刻度范围（中间范围）2% 其它各刻度范围 3% 3 ;4 正常使用刻度范围（中间范围）1% 其它各刻度范围 2%
压力范围：	正压、负压（真空型）或混合型，最高压力可达 160MPa
正常工作环境温度：	充油型 -5 ~ 60 不充油型 -40 ~ 60
波登管 / 接头：	213 (PGV) 型为磷青铜波登管，焊接在黄铜接头上 233 (PGVR) 型为 SUS316 不锈钢管氩弧焊接在 SUS304 不锈钢接头上 10MPa 以上波登管为螺旋波登管
仪表机芯：	黄铜或不锈钢（特选）
仪表外壳：	SUS304 不锈钢
充油类型：	不特殊说明充甘油
表    盘：	白色铝制表盘，黑色刻线，公制 MPa 刻度或英制，公制标准对应刻度
接头连接尺寸：	1/4NPT、M14 × 1.5 1/2NPT、M20 × 1.5
表  玻  璃：	碳酸聚脂塑料或有机玻璃

## Specifications:

Accuracy:	± 3;2;3%( ± 2% in middle half of scale)for 2 1/2 ± 2;1;2%( ± 1% in middle half of scale)for 3 ;4
Pressure Range:	Standard pressure,vacuum or compound ranges are available. Ranges go up to160MPa.
Temperature Limit:	Ambient temperature and temperature of operating medium should be within following range:-40 ~ +60 for dry gauge,-20 ~ +60 for filled gauge
Tube & Socket:	YTN:phosphor bronze bourdon tube soft soldered to brass socket. YTNF:31 St.St.tube argon arc welded to 304 St.St.socket. Helical bourdon tube is available on range above 20MPa.
Movement:	Brass or stainless steel(option)
Case Material:	304 stainless steel.
Fill Medium:	Glycerine oil,standard.
Dial:	White coated aluminum with black scale.Metric scale(Mpa)only or corresponding imperial and metric scales are printed on the dial.
Socket Connection:	1/4NPT M14 × 1.5 1/2NPT M20 × 1.5
Window:	Polycarbonate or Plexiglass

注意：当润滑脂甘油与氯、硝酸、氧化氯等强氧化剂混合时，会自发的发生化学反应，有燃烧或爆炸造成设备损坏，人员伤亡的可能。当压力表用于这些场合均不能内充润滑脂甘油，请与制造厂联系，充填正确的内充油。

### Warning:

**Glycerin or Silicone** when combined with strong oxidizing agents, including but not limited to chlorine, nitric acid, and hydrogen peroxide, can result in a spontaneous chemical reaction, ignition, or explosion which can cause property damage and personal injury. If gauges are to be used in such service, do not use glycerin or silicone fill-consult factory for proper fill medium.

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## 备选项目：

如有特殊要求，请与本公司接洽

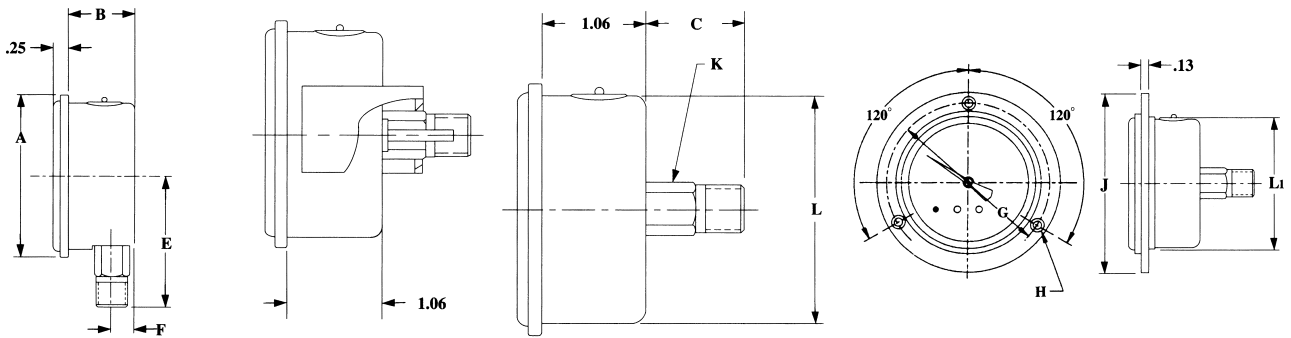
- 特殊的内充油
- 其它的接口螺纹
- 特殊需要的无铝质表盘
- 安全玻璃
- 特殊的外观装饰
- 其它特殊的要求

## Options:

Please consult factory for the following options

- Special fill medium
- Special socket connections
- Special dials(e.g.Aluminium-free dial,etc.)
- Safety glass
- Special cases
- Other special requests

## 外形尺寸 Dimensions:



## 单位 Unit (mm)

Cauge Size	Conne- tion 连接 尺寸	A		B		C		E		F		G		H		K		J		L		L1	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
63 (2 1/2 )	1/4	2.67	67	0.94	24	1	26	2.16	55	0.34	9	2.96	75	0.15	4	9/16	14	3.35	85	2.4	61	2.47	63
75 (3 )	1/4	3.2	81	1	25	1.2	30	2.8	70	0.4	11									3.1	79		
98 (4 )	1/2	3.89	99	1.28	33	1.3	34	3.06	78	0.53	13	4.57	116	0.19	5	7/8	22	5.2	134	3.62	92	3.67	93