

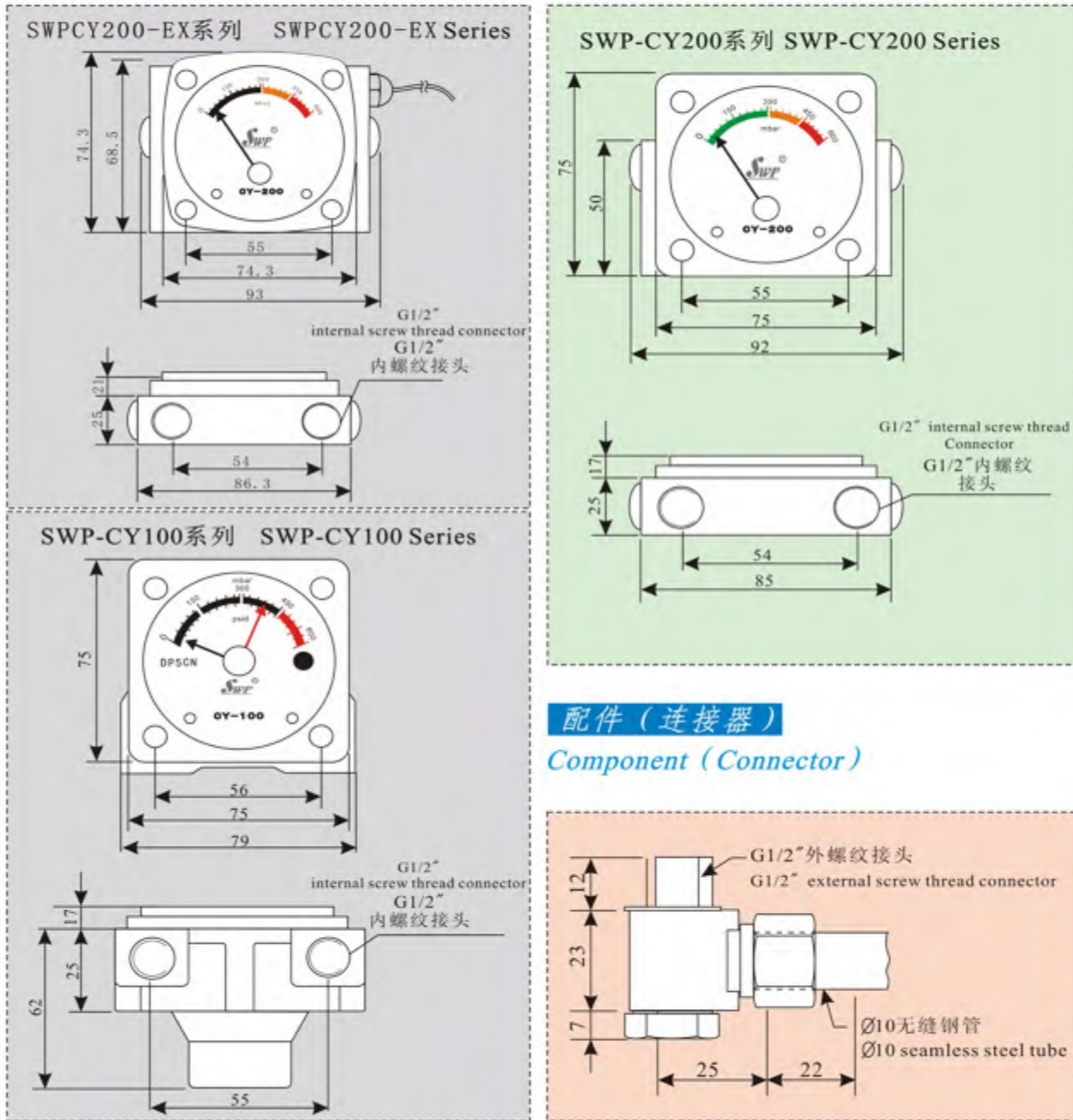
SWP系列差压指示仪表选型

SWP Series Differential Pressure Indicator Type Code

SWP-CY	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
型号 Type	100	机械式差压指示器 Mechanical differential pressure indicator
	200	活塞式差压指示器 Piston differential pressure indicator
	200EX	活塞式差压指示器/远传输出 Piston differential pressure indicator/Far transmit
量程 Measurement Range	A	0~60KPa

* 200EX经本安认证。 本安号: CNEx07.0004
 * 200EX attest by CQST. Serial NO. CNEx07.0004

外形尺寸
Outline Dimensions



配件 (连接器)
Component (Connector)

CY 系列差压指示器

CY Series Differential Pressure Indicator

- CY-100 机械式差压指示器

CY-100 Mechanical Different Pressure Indicator

- CY-200 活塞式差压指示器

CY-200 Piston Different Pressure Indicator



引进国外先进技术 工艺精湛 低价位
Outstanding technique Lower cost



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昌晖自动化系统有限公司
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机械式差压指示器 Mechanical Differential Pressure Indicator



产品简介 [Description]

CY-100 型是一种机械式差压指示器，用于指示过滤器，分离器，阀门，泵等设备输入，输出二端压力差异，尤其适用于指示燃气调压计量站上滤芯式过滤器的阻塞程度，便于及时清洗或更换滤芯，保证设备安全、经济地运行。

CY-100 is a mechanical differential pressure indicator. The device can indicate the input of strainer, segregator, valve, pump etc., and output the pressure difference. It is especially suited for indicating the jam-up of the filter elements in gas pressure regulating station. It allows the filter element cleaned or replaced in time and running safely and economically.

基本原理 [Principle]

本指示器采用机械式，单被检测差压变化时，通过压簧皮膜带动指针指示相应的差压值。指示器壳体采用锰钢热锻成型，不存在气孔，沙眼等缺陷。上下壳体用4只高强度螺丝连接，中间连接处用橡胶膜密封，保证该指示器无泄漏。

This indicator is mechanical. When the differential pressure changes, the reed drives the finger to indicate corresponding value. The shell adopts manganese steel hot forge shaping and without bugs such as bubble etc. Upside and downside shells are connected by 4 high intensity screws, and the seam sealed by rubber film to prevent leaking.

主要特征 [Features]

- 壳体采用锰钢，工作压力6.5MPa
- 工作环境温度 -20℃ -- +60℃
- 精度为全量程的±10% (上行)
- 最大值指针可手动调整零位
- 过程连接螺丝 G1/4"
- 不需计量标定
- Manganese steel shell, rated pressure 6.5MPa
- Environment temperature -20℃ -- +60℃
- Precision up to ±10% of FS
- Finger zero manual adjustable
- Process connect screw G1/4"
- No need of calibration

优点

◆ 安全 Safety

指针是由气力传动，压力元件与刻度盘完全隔离，避免漏气产生危险。刻度盘无压力，修理或更换不必隔离差压计与管线。

The finger is driven by air pressure and the pressure element is insulated with the dial to avoid gas leaking. The dial can be repaired and replaced without pressure, so no need of insulating the device and tubes.

◆ 可靠 Reliability

差压值最大值只要用手动设定，减少突然升压导致设备损坏的危险。

Maxim differential pressure set manually, which decreases the danger of abrupt raising of the pressure.

◆ 多样性 Variety

适合最大压力以内的各种压力，可以任意更换位置，不需要新校准或调整。

Suited for any pressure within maxim pressure, can change installation place without calibration or adjustment.

◆ 经济 Economical

本差压计的设计完全不需要支管或压力平衡阀，坚固而轻巧，完全由钢管支承即可，而且免保养。

No need of bracket and pressure balance valve, firmly and light, can only supported by steel tube, free of maintain.



活塞式差压指示器 Piston Differential Pressure Indicator



产品简介 [Description]

CY-200型活塞式差压指示器是一种用于监护过滤器滤网气流、分离器、阀门、泵和冷却装置等设备，测出其前后压力差，也可用作就地流量指示和控制，由于价格低廉，结实耐用被广泛采用，CY-200主要应用于对测量精度要求不十分精密场合。

CY-200 piston differential pressure indicator can monitor strainer air flow, segregator, valve, pump, cooler etc. by measuring the differential pressure. It also can be used as local flux indicator or controller. The device has been applied widely for its lower cost and endurance. CY-200 is mainly used in lower precision application.

主要特征 [Features]

- 对最大压力的过压保护
- 差压测量范围 0--60KPa
- 最大工作压力 8MPa
- 精度为满刻度 5% (上行)
- 工作介质温度 -20℃ -- +60℃
- 工作环境温度 -20℃ -- +80℃
- 过程连接螺丝 G1/4"
- 远传输出 干触点 100mA/DC30V
- 采用抗震玻璃
- 采用全天候防护结构标准
- Over pressure protection
- Measurement range 0--60KPa
- Maxim pressure 8MPa
- Precision FS 5% (up)
- Medium temp. -20℃ -- +60℃
- Circumstance temp. -20℃ -- +80℃
- Process connect screw G1/4"
- Remote transmit output Contact point 100mA/DC30V
- Aseismatic glass
- Round-the-clock standard protection structure

基本原理 [Principle]

操作原理是一支磁浮活塞藕差压力置插住校准弹簧，一个环形磁铁跟着活塞动作移动，连接在磁铁上的指针即在刻度盘上显示出差压。

仪表具有作高、低报警或控制用的磁驱动密封式干簧开关，已列入CSA标准。

可供用户选择最大指示值跟踪指针，指出在某一时间可工作周期内所产生最大压差，为了便于安装和读数，根据过滤器等设备的位置，还可提供一种反向取压接口。

A magnetic piston connected to the calibration spring couples with differential pressure, an annular magnet moving with the piston, and the finger adhering to the magnet points out differential pressure on the dial.

The device has hermetic reed switch for upper/lower alarm or controlling, and has been adopted by CSA standard.

The device has an optional maxim value finger, which indicates the maxim pressure difference during a given period. A reversed connector is also available for convenient installation and reading.

设计简单 Simple design

结构紧凑 Compact structure

结实耐用 Endurance

远传控制

