

卫生级恒压调节阀

Sanitary Constant Pressure Adjusting Valve

应用 / Applications

- 该型阀门是一种卫生级恒压阀，可适用于不锈钢管道系统内。
- This type of valve is a sanitary constant pressure valve, suitable for stainless steel pipeline systems.



工作原理 / Operating principles

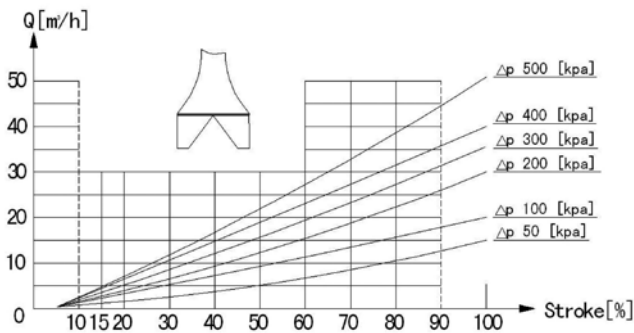
- 恒压调节阀系列均通过压缩空气进行遥控操作，该系列阀门的操作不需要依赖输送产品的管线中的任何传感器，仅需要一个用于压缩空气的压力调节装置和产品输送管路上的对压力实施监控的一个压力表。一套隔膜 / 阀杆系统可以对所输送产品的任何压力变化做出迅速反应，并相对地改变阀杆位置，以便继续维持预先设定的压力值。当输送产品的压力升高时，阀门就会开启，反之，输送产品的压力降低，阀门就会关闭。
- Constant pressure regulating valve series are remotely operated by compressed air, the series of valve operation does not depend on the pipeline transportation of products of any sensor, requiring only a compressed air pressure regulator for the devices and a pressure gauge on the product pipelines monitor the pressure. A diaphragm / stem system can transport the product of the rapid response to any pressure changes and change stem position so that continue to maintain pre-set pressure value. When the delivery pressure of the product increases, the valve opens, on the contrary, the valve is closed

标准设计 / Standard Design

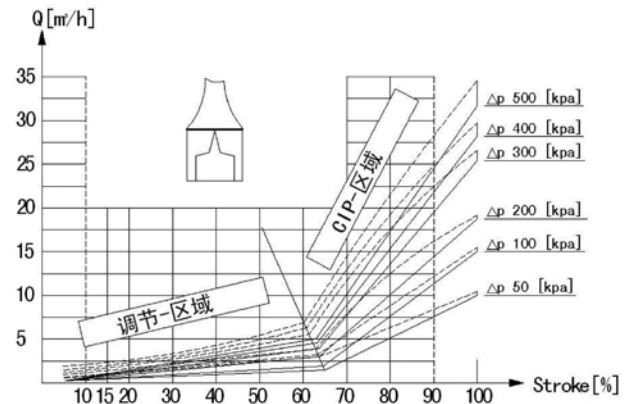
- Yodsn 现行设计的恒压调节阀系列均按 DIN 标准、3A 标准和 ISO 标准等来设计生产。
- 恒压调节阀系列基本组成部件包括：一个带阀座的阀体、阀盖、一个带隔膜单元的阀杆以及一个卡箍。恒压调节阀因入口与阀体底部成 90°，残液无法积存，所以清洁作用更显著；另外特别的柱塞设计可容许较少的液体流量和较高的 CIP 流量。
- Yodsn current design RH11 constant pressure regulating valve series according to DIN standards, 3A standards and ISO standards to design manufacture.
- Constant pressure regulating valve series basic component parts, including: a body with a valve seat, valve cover, a stem cell with a diaphragm and a clamp. Constant pressure regulating valve due to the bottom with the entrance into 90°, the residue can not accumulate, so the clean function and more significant; other special plunger design allows less liquid flow and higher CIP flow.

压力降 / 处理能力对比图

Pressure Drop / Capacity Comparison Chart



例：当压降 $\Delta p=200$ [kPa] 流量 $Q=8$ m³/h
选择：KV23 在工作位置将是 38% 空旷



注意!

这些曲线图示数据的测定系基于:

介质: 水(水温20℃)

NOTE!

The profile data base on:

Medium: Water (20° C).

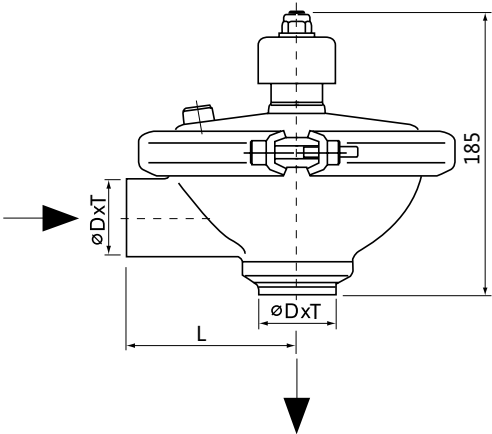
材料 / Materials

- 产品过流钢制部件: 304/316L
- 其他钢制部件: 304
- 上隔膜: EPDM(标配)
- 可选择的上隔膜: EPDM/PTFE (温度 95–140℃)
- 下隔膜: EPDM/PTFE (温度 95–140℃)
- 其他密封: EFDM (标配)
- 内表面处理: $Ra \leq 0.4\mu m$
- 外表面处理: $Ra \leq 0.8\mu m$ 或者喷砂处理
- Product wetted steel parts: 304 / 316L
- Other steel parts: 304
- The diaphragm: EPDM (standard)
- Optional on the diaphragm: EPDM / PTFE (temperature 95–140 °C)
- Under Diaphragm: EPDM / PTFE (temperature 95–140 °C)
- Other seals: EFDM (standard)
- Inner surface treatment: $Ra \leq 0.4\mu m$
- Surface treatment: $Ra \leq 0.8\mu m$ or sandblasted

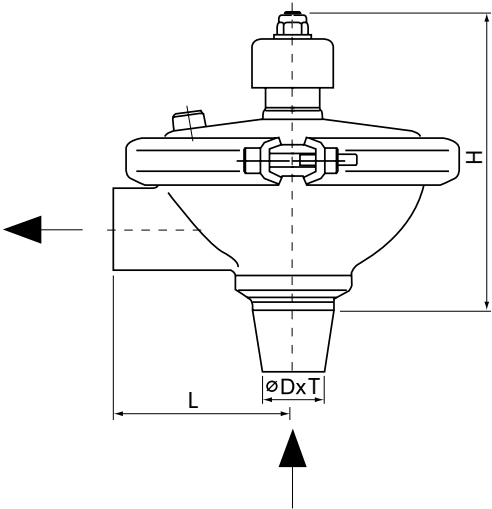
技术参数 / Technical Data

- 最大产品压力: 1000KPa(10 bar)
- 最小产品压力: 0 KPa(0 bar) = 大气
- 控制气源压力: 0~600kpa(0~6 bar)
- 流量范围 Kv, 全开 ($p=1$ bar): 大约 23m³/h
- 流量范围 Kv, 低能力 ($p=1$ bar): 大约 2m³/h
- 可选择的尺寸: (调节区域) 大约 15m³/h(CIP 区域)
- Maximum product pressure: 1000KPa (10 bar)
- Minimum product pressure: 0 KPa (0 bar) = atmosphere
- Control air pressure: 0~ 600kpa (0 ~ 6 bar)
- Flow range Kv, full ($p = 1$ bar): approximately 23m³/h
- Flow range Kv, low capacity ($p=1$ bar): approximately 2m³/h
- Optional dimension : (adjusting area) about 15m³/h (CIP area)

恒压阀外形尺寸图
Constant Pressure Valve Dimensions



NO.1112001



NO.1112002

恒压阀 Constant Pressure Valve					
SIZE		D		L	H
DIN	INCH	DIN	INCH		
DN25	Ø25.4	28 × 1.5	25.4 × 1.5	116	185
DN32	Ø32	35 × 1.5	31.8 × 1.5	116	185
DN40	Ø38.1	41 × 1.5	38.1 × 1.5	116	185
DN50	Ø51	53 × 1.5	50.8 × 1.5	116	185