

衬氟真空负压安全阀

Vacuum Negative Pressure Lined Safety Valve

特性说明

- 目前, 由于操作者失误或者其他原因造成管道内突然造成负压, 使衬氟管道系统或其他衬里设备的衬层基层脱落、起鼓吸瘪、膨胀变形等, 造成了重大的经济损失或其他事故。为解决这一根本情况, 我公司特研发出衬氟真空负压安全阀, 以保证在管道内出现负压(或者超过规定的负压值)时, 安全阀及时打开, 保证管道系统的平衡, 以免损坏衬氟管道及设备的衬层。

工作原理

- 本真空负压安全阀适用于温度 $\leq 180^{\circ}\text{C}$ 的负压系统, 当容器或管路系统内负压没有超过允许值时, 作用在阀瓣的压力和弹簧向上的拉力使阀瓣紧密的靠在阀座上, 保证系统内的介质不外漏; 当系统内负压超过允许值时, 真空负压安全阀由于阀瓣的面积较大, 负压作用在阀瓣上产生向下作用力, 使安全阀自动开启, 吸入空气; 当容器或管路系统内负压达到允许值时, 真空负压安全阀在弹簧的作用力及介质作用在阀瓣上产生的向上力之下自动关闭, 从而保护设备及管路系统。这一产品可以安装在正常非负压系统, 也可安装在负压值高于真空负压安全阀开启负压值的设备及管路系统, 当容器和系统的放料阀未打开, 产生负压时, 真空负压安全阀将自动开启保证设备不受损坏。

Description

- At present, due to operator error or other reasons caused by pipe has a sudden negative pressure, the lining material is fell off, and the drum is sucked, the expansion is deformed and so on, then to cause great economic loss or other accidents. In order to solve this problem, our company has developed a special research on the vacuum negative pressure lined, to ensure that negative pressure in the pipeline (or more than the specified negative value), the safety valve in a timely open to ensure the balance of the pipeline system, so as not to damage the lined pipeline and the equipments.

Working Principle

- Vacuum negative pressure lined safety valve is applicable for negative pressure system in temperature $\leq 180^{\circ}\text{C}$. When the value of negative pressure in the container or pipeline system exceed the allowable value, the pressure of the disc and the upward pull of the spring force disc tightly close to the seat, to ensure the media does not leak. This product can be installed in the normal non negative pressure system, can also be installed in the negative pressure value is higher than the vacuum negative pressure relief valve to open the value of the equipment and piping system. When the container and discharge valve is not open, resulting in negative pressure, the vacuum negative pressure safety valve will automatically open to ensure that the device is not damaged.



主要性能：以公称压力1.0MPa为例

Main Performance Parameters: Take The 1.0mpa As Example

工作温度 Temperature Range		$\leq 180^{\circ}\text{C}$
试验压力 Test Pressure (MPa)	强度试验 Strength Test	1.5
	水密封试验 Water Sealing Test	1.1
	气密封试验 Air Sealing Test	0.6
负压安全开启压力 Negative Pressure Opening Pressure in The Safe Condition		$\geq -0.09\text{MPa}$; 按用户要求 According to user requirements
电火花检测电压 Spark Detection Voltage		15KV
适用介质 Applicable Medium		适用于强酸, 强碱, 盐等腐蚀性介质 Applicable to acid, alkali, salt and other corrosive media

材料明细表 Material Specification

名称 Name	材料明细 Material Lists
阀体 Body	SS304/PFA
阀座 Seat	SS304/PFA
阀瓣 Disc	SS304/PFA
阀盖 Bonnet	1Cr18Ni9Ti
阀杆 Stem	1Cr18Ni9Ti
进气栅板 Air inlet plate	1Cr18Ni9Ti
调节圈 Adjusting ring	1Cr18Ni9Ti
阀帽 Cap	1Cr18Ni9Ti
弹簧 Spring	50CrVA

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详细介绍

YFA72PFA-10P/R型真空负压衬氟安全阀适用于温度 $\leq 180^{\circ}\text{C}$ 的所有负压管路及设备系统；也可安装在正常非负压设备及管路系统，特别是在衬里设备及衬里管路系统中，可能因机器故障或其他原因造成系统意外停机，管路中高位液体介质迅速倒流，形成高真空而使衬里层大面积严重破坏，造成严重损失。在管路或设备的适当位置增设YFA-72PFA-10P/R型真空负压衬氟安全阀，当容器或管路内负压低于允许值时，该阀自动开启，吸入空气，平衡系统内部负压压差；当系统内负压达到安全阀允许值时，该阀自动关闭，从而保护了设备及管路系统不受损坏。

Description

YFA72PFA-10P/R type vacuum negative pressure lined safety valve is applicable for all the negative pressure of the pipeline and equipment system in temperature $\leq 18^{\circ}\text{C}$; It can also be installed in the normal non-negative pressure equipment and pipeline system. When the negative pressure in the container or pipe is less than the allowable value, the valve automatically opens, to inhale air, balance system internal negative pressure differential pressure. When the negative pressure in the system to reach the value of the safety valve, the valve automatically closed, thereby protecting the equipment and pipeline system is not damaged. The vacuum negative pressure safety valve is safe to open, the negative pressure value can be adjusted according to the conditions.



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