

气动缓冲止回阀

Pneumatic Cushion Check Valve

1000HD643P-6C

使用、安装、维护手册

Operation、Installation、Maintenance Manual

一、用途 Use

本止回阀安装在工业管路上，以防止介质逆流及由于逆流开关而产生过大的水锤造成事故。

This check value was installed in the industrial pipe, to prevent the accident of the medium flowing backward and bring too great water hummer .

二、主要性能参数 The main parameters of feature

公 称 压 力 Nominal pressure	0.60	MPa
壳体试验压力 Shell test pressure	0.90	
密封试验压力 Seal test pressure	0.66	
适 用 温 度 Suitable temperature	≤ 300	℃
适 用 介 质 Suitable medium	空气等 Air etc.	

三、结构特点 Structure feature

1 阀门开启靠泵或风机启动时低压力将蝶板开启，同时举起重锤，而关闭靠泵或风机停止后，压力介质的逆流和重锤回落及气缸来实现，并且阀门上装有阻尼油缸，能减缓阀门关闭时，蝶板对密封面的冲击。

The valve open the disc depend on the low pressure when the pump or fan start-up, at the same time hold up the hummer, and the vavle shut up depend on the pressure medium flowing backward and the hummer fall back when the pump or fan shut off, while the damped hydraulic cylinder can weaken disc

impact on sealing piece.

2 本阀具有结构简单，美观轻便，操作自如，运动灵活。

The valve has simple structure, beauty , handiness, running agility

3 阀门安装在水平管道上。

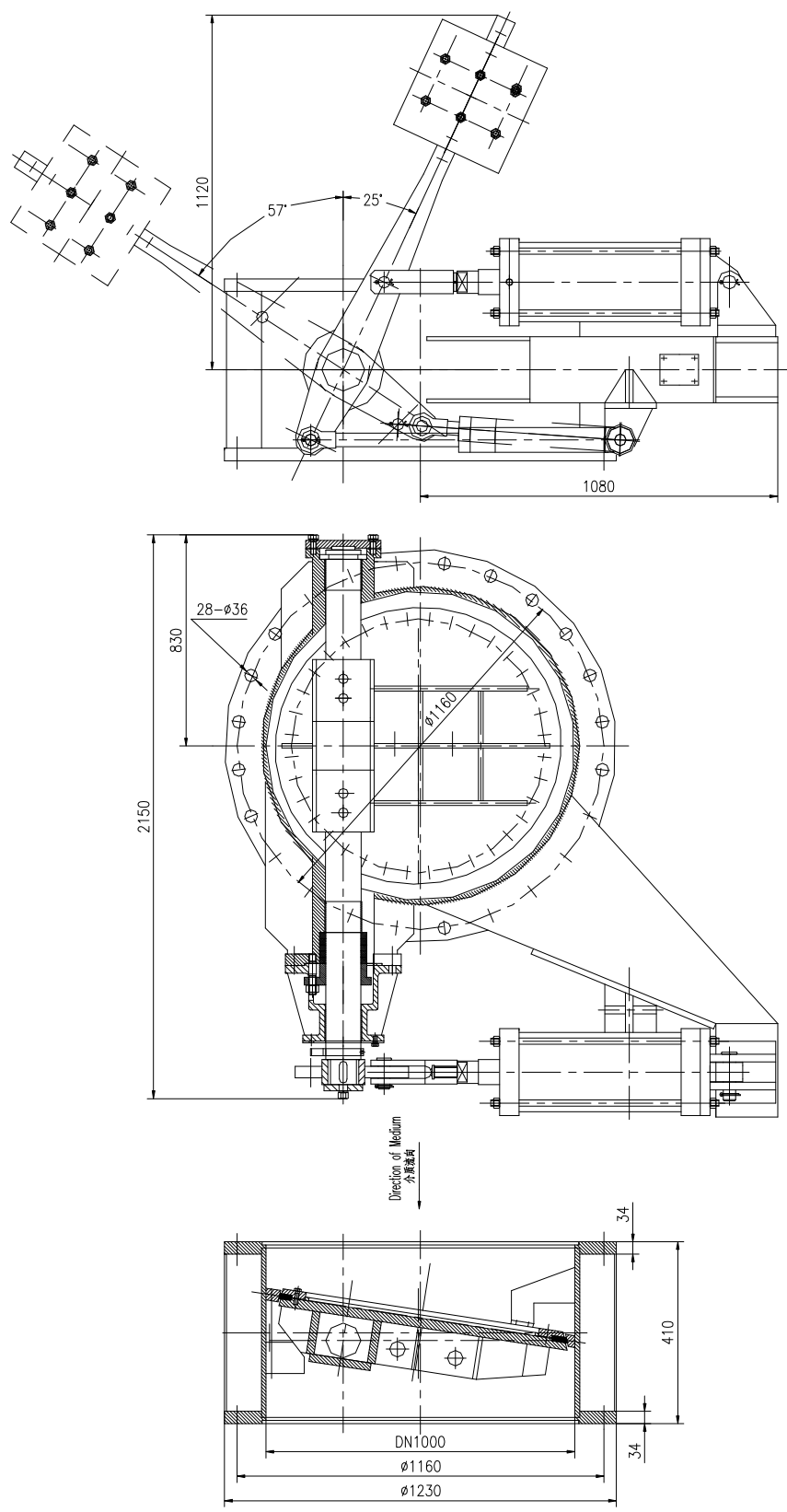
The check valve was installed in vertical pipe.

四、主要零件材料 Material of main part

零件名称 name of part	阀 体 valve body	蝶 板 disc	阀 轴 Shaft	填 料 Packing
材 料 material	碳 钢 Carbon steel	碳 钢 Carbon steel	不 锈 钢 Stainless steel	柔性石墨 soft black lead

五、结构简图、外形尺寸及连接尺寸

Prime out-form dimensions, General dimensions, Connection dimension.



六、保管、安装、使用维护注意事项

Maintenance、maintain、install and use notice item.

1 阀门应存放在干燥通风的室内应防止被损坏，长期存放应定期检查。

The valve should be deposit in the dry room. It should be check on time with long time store and to protect rust.

2 装运的储藏期间，阀门两端应用盲板保护密封面，阀瓣应于关闭并固定。

During the store and transport ,the two-end of valve should use blind-board , to protect and assure not damage sealing piece,the disc should lock in shut-off position.

3 阀门在安装前应清洗干净，并消除在储运过程中产生的缺陷。

The valve should be clear before installed and get rid of the defect during the store and transport.

4 本阀门为单向密封型蝶阀，安装时应注意介质的流向，应使介质按图示方向流动。

This valve is one-way valve. Please attended to the flow direction of medium when installing, It must be accord with the mark of body.

5 本阀门安装时，应使阀轴处于水平面内。

When installing,the shaft must be installed with level.

6 安装时必须注意核对阀门的标牌与使用是否相符。

When installing, the sign and nameplate should be checked and they are tally with working condition.

7 使用中应定期检修，如遇异常情况应及时检修。

The valve should be check on time with working. It should be repaired in time when meet out of the way.

8 必须按说明书的要求安装、使用、维护阀门。

Maintenance、maintain、install must be according with the manual.

七、可能发生的故障、原因及消除方法 Maybe occur fault、cause and remove method

故障现象 Fault phenomena	产生原因 Produce cause	消除方法 Remove method
介质倒流 medium flowing backward	1 密封面有污物杂质 have impurity in seal ring 2 密封面被损坏 damage of seal ring 3 轴卡死 the stem locked	1 消除污物杂质 Remove the impurity 2 修复密封面 Repair seat 3 使调整填料压紧程度使轴能转动 To adjust packing for the stem running
填料处泄漏 leaking of packing	填料未压紧或填料损坏 damage of packing	压紧或更换填料 Impacting or instead packing