

DD643W

## 低温蝶阀

Low Temperature Butterfly Valve

ROVV® 上海罗杰斯  
SHANGHAI ROGERS VALVE

## 产品概述 Product Overview

低温蝶阀是一种专门设计用于在低温环境下工作的阀门，通常用于处理液化天然气、液态氧气、液态氮气等低温介质。

Low temperature butterfly valve is a valve specifically designed to operate in low-temperature environments, typically used for handling low-temperature media such as liquefied natural gas, liquid oxygen, and liquid nitrogen.



## 产品特点 Product Features

1. 结构简单：低温蝶阀由阀体、阀座、阀杆、阀盘等组成，结构简单，易于维修和更换，降低了生产成本和使用成本。
2. 体积小：低温蝶阀采用弹性密封结构，占用空间小，方便安装和维护。
3. 重量轻：低温蝶阀体积小，重量轻，可降低管道系统质量，降低建设成本。
4. 密封性好：低温蝶阀采用弹性密封结构，能有效防止介质泄漏，确保系统的安全运行。
5. 耐腐蚀：阀体和阀盘材料一般采用不锈钢、碳钢、钛合金等，能够抵御硫化物、盐水等腐蚀性介质的腐蚀。

1. Simple structure: The low-temperature butterfly valve consists of a valve body, valve seat, valve stem, valve disc, etc. It has a simple structure, is easy to maintain and replace, and reduces production and usage costs.

2. Small size: The low-temperature butterfly valve adopts an elastic sealing structure, which occupies a small space and is convenient for installation and maintenance.

3. Lightweight: Low temperature butterfly valves have a small volume and light weight, which can reduce the quality of pipeline systems and lower construction costs.

4. Good sealing performance: The low-temperature butterfly valve adopts an elastic sealing structure, which can effectively prevent medium leakage and ensure the safe operation of the system.

5. Corrosion resistance: The valve body and disc materials are generally made of stainless steel, carbon steel, titanium alloy, etc., which can resist the corrosion of corrosive media such as sulfides and saltwater.

## 技术参数 Technical Parameter

公称通径 Nominal diameter	DN100-1000 NPS4"~40"
公称压力 Nominal pressure	0.6-5.0MPa
适用温度 Applicable temperature	-196 ~ -150°C
适用介质 Applicable media	液化天然气、液氮、液氧等 Liquefied natural gas, liquid nitrogen, liquid oxygen, etc
传动方式 Transmission mode	手动、蜗轮、气动、电动、液动 Manual, worm gear, pneumatic, electric, hydraulic

## 主要零部件材质 Materials of Main Parts

零件名称 Part name	材料 Material
阀体 Valve body	不锈钢、碳钢或合金钢 Stainless steel, carbon steel or alloy steel
阀座 Valve seat	阀聚四氟乙烯 (PTFE) 或氟橡胶 Valve polytetrafluoroethylene (PTFE) or fluororubber
蝶板 Butterfly board	不锈钢 Stainless steel

以上资料仅供参考，具体参数以罗杰斯技术部规格书为标准。

The above information is for reference only. The specific parameters are based on the specifications provided by ROVV Technical Department.