

What is a diaphragm valve?

Body, actuator and diaphragm are manufactured from the high-performance plastics PTFE and PVDF. The valves are available for order as HPW (cleanroom manufacturing) or HPS (no cleanroom manufacturing). The diaphragm valve is practically the all-rounder among the valves; it can be used for countless applications in all industrial sectors.

What are the benefits of using a diaphragm valve?

Diaphragm protection: Adjustable driving force on the actuator protects the diaphragm from damage.
Durability: The valve has a high IP rating (IP65/IP67) for effective protection against dust and water ingress. It is also suitable for use in hazardous environments with ATEX certification.

Why should you choose GEM's plastic diaphragm valves?

GEM's plastic diaphragm valves are available with all relevant, high-quality body materials and connections. This allows a large range of applications to be covered, for example in the field of water/waste water treatment, the chemical industry, surface finishing and the widest range of general industrial applications.

What is a plastic diaphragm valve used for?

Some examples of applications that use these plastic diaphragm valves are water softening units, chemical handling in washing installations, dosing systems for paints and the filling machines used in battery production. GEM's product portfolio also includes ultra pure valve designs.

What are GEM's plastic diaphragm valves made of?

For the GEM's plastic diaphragm valves manufactured under cleanroom conditions for sanitary/hygienic applications, all media-wetted parts and the housing are made of high-grade plastic (PFA/PTFE/PVDF/PP). Diaphragm globe valves from GEM are available as 2/2-way valves and multi-port valve blocks.

How does a diaphragm valve actuation work?

Flow regulation: In modulating valves with electric motors, the precise positioning of the diaphragm allows for controlled flow rates. The control system continuously adjusts the motor's position based on process feedback to maintain the desired flow rate. Table 1: Solenoid vs electric motor characteristics for diaphragm valve actuation

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The GEM's C60 CleanStar ultra pure 2/2-way diaphragm valve has a plastic piston actuator and

is pneumatically operated. A stroke limiter (not with actuator size 4) and an optical position indicator are integrated as ...

Century - 830-RV-005 - Diaphragm Relief Valves by Century Instrument Company. This self-contained, spring loaded diaphragm pressure relief valve is self-operated and requires no air pressure or other outside power source to function. Available in siz...

Find out all of the information about the Suzhou Xiechang Environmental Protection Technology Co., Ltd. product: diaphragm valve DCF-F-ZM-40S . Contact a supplier or the parent company directly to get a quote or to find out ...

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The solenoid valve of 10 13 series is a family of diaphragm valve with 1.5 mm orifice diameter, controlling the switch of fluid flow path. This series solenoid valve is a high performance, low cost and maintenance free diaphragm valve with ...

The solenoid valve of 1021-3 series is a family of diaphragm valve with 2mm orifice diameter, controlling the on/off of fluid flow path. This series solenoid valve is a high performance, low cost and maintenance free diaphragm valve with ...

The GEMÜ C60 CleanStar ® ultra pure 2/2-way diaphragm valve has a plastic piston actuator and is pneumatically operated. A stroke limiter (not with actuator size 4) and an optical position indicator are integrated as standard. All media wetted parts are made of PFA or PTFE. This High Purity version of the

Web: <https://roomme.pt>