What is a Diaphragm Solenoid Valve?

Are you looking for a diaphragm valve that has a compact flow design and can have various media types? Here at MGA, we have a wide range of diaphragm valves, from specific application valves to general purpose valves. In this blog, we explain the advantages and features of our diaphragm valves.

What is a diaphragm solenoid valve?

Diaphragm solenoid valves are available in a range of materials to suit various industrial applications and process medias. In simple terms, the main purpose of a diaphragm solenoid valve is to control the flow of liquids and gases. Diaphragm solenoid valves have a rubber diaphragm that moves up and down within the body of the valve, causing opening and closing against a hard seat. This causes the state of the valve to change to either an open or closed position.

Advantages of a Diaphragm Valve

Diaphragm solenoid valves are a small, yet often crucial, part of process control. Here are some advantages of choosing a diaphragm valve from MGA Controls:

- They are applicable for a wide range environments and applications.
- Various types and materials of diaphragm solenoid valves available.
- The media flowing through the valve acts as a pilot and influences the position of the diaphragm, putting the valve in its most suitable state.
- We have diaphragm solenoid valves that are appropriate for many process media types.
We have a team of technical experts who are happy to help you choose the perfect valve for your specific application and answer any questions.

**Diaphragm type solenoid valve working principle**

Most diaphragm solenoid valves are associated with 2-way solenoid valves with a rubber diaphragm that moves up and down. This causes the valve to open or close against a heard seat, thus changing the state of the valve. In direct acting or forced lift solenoid valves, the pressure of the media flowing through the valves acts as a pilot and influences the position of the diaphragm, thus changing the state of the valve.

**Contact MGA about Diaphragm Solenoid Valves**

For more information about the diaphragm solenoid valves available at MGA, please call us on 01704 898980 and a member of our technical team will be happy to help you find the solenoid valve you need. Alternatively, you can email us at store@mgacontrols.co.uk.