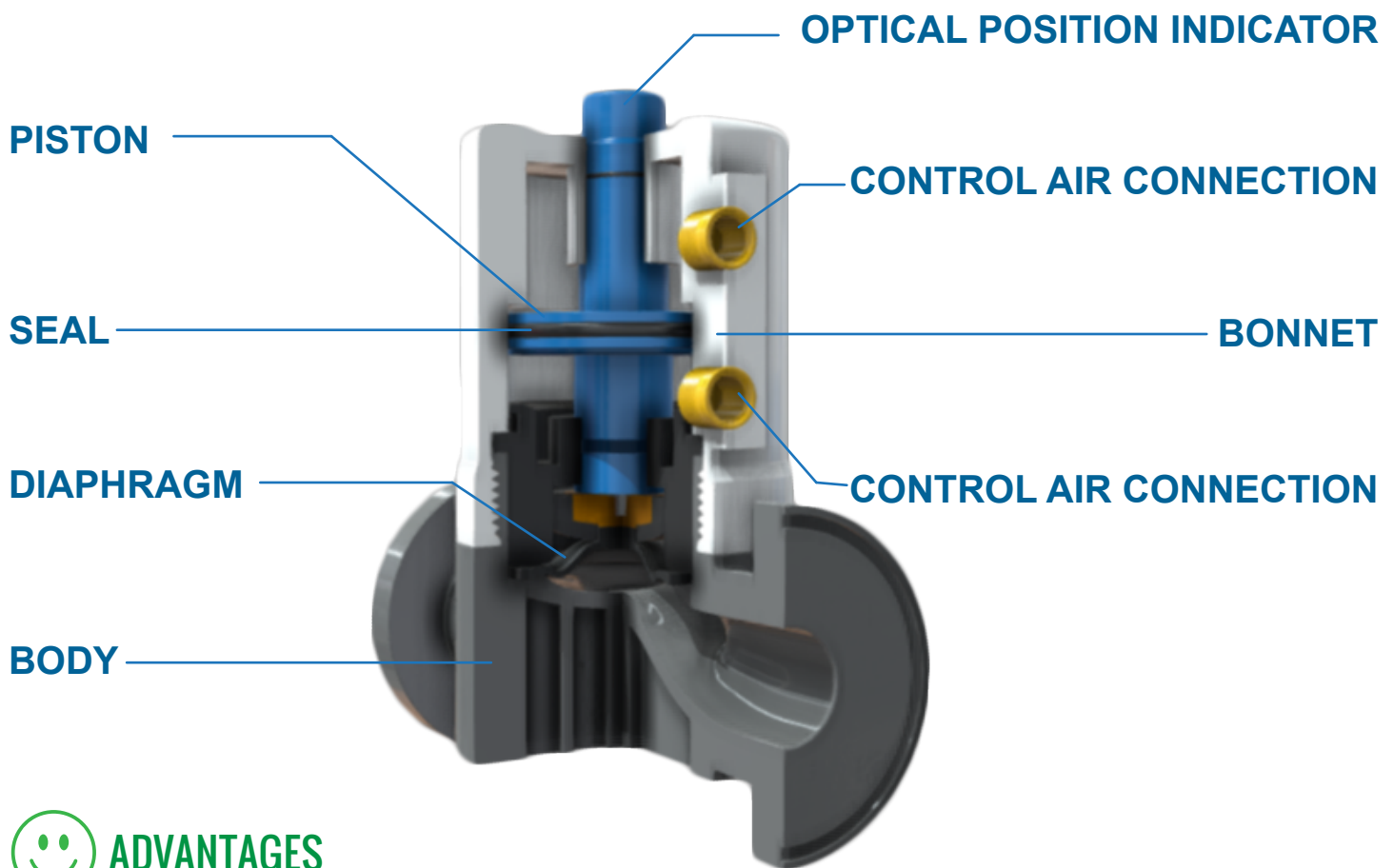


Diaphragm Valve

Diaphragm valves are linear motion valves used for start-stop and throttling applications. The two most common types of diaphragm valve are the weir and straight through types.

The diaphragm disc is usually manufactured from a flexible, but durable material. A compressor is installed on the upper side of the diaphragm. The compressor can be lowered to close the valve or raised to open the valve.



ADVANTAGES

Polymer based construction materials make the valve well suited to corrosive environment applications.

Leakage is uncommon due to the valve's few parts and low number of seals.

Polymer based construction materials are less chemically reactive than their metal counterparts.

The valve has a fast response time with reliable sealing.

DISADVANTAGES

Diaphragm valves are rarely suitable for high temperature applications as the polymer based materials are prone to cracking and embrittlement.