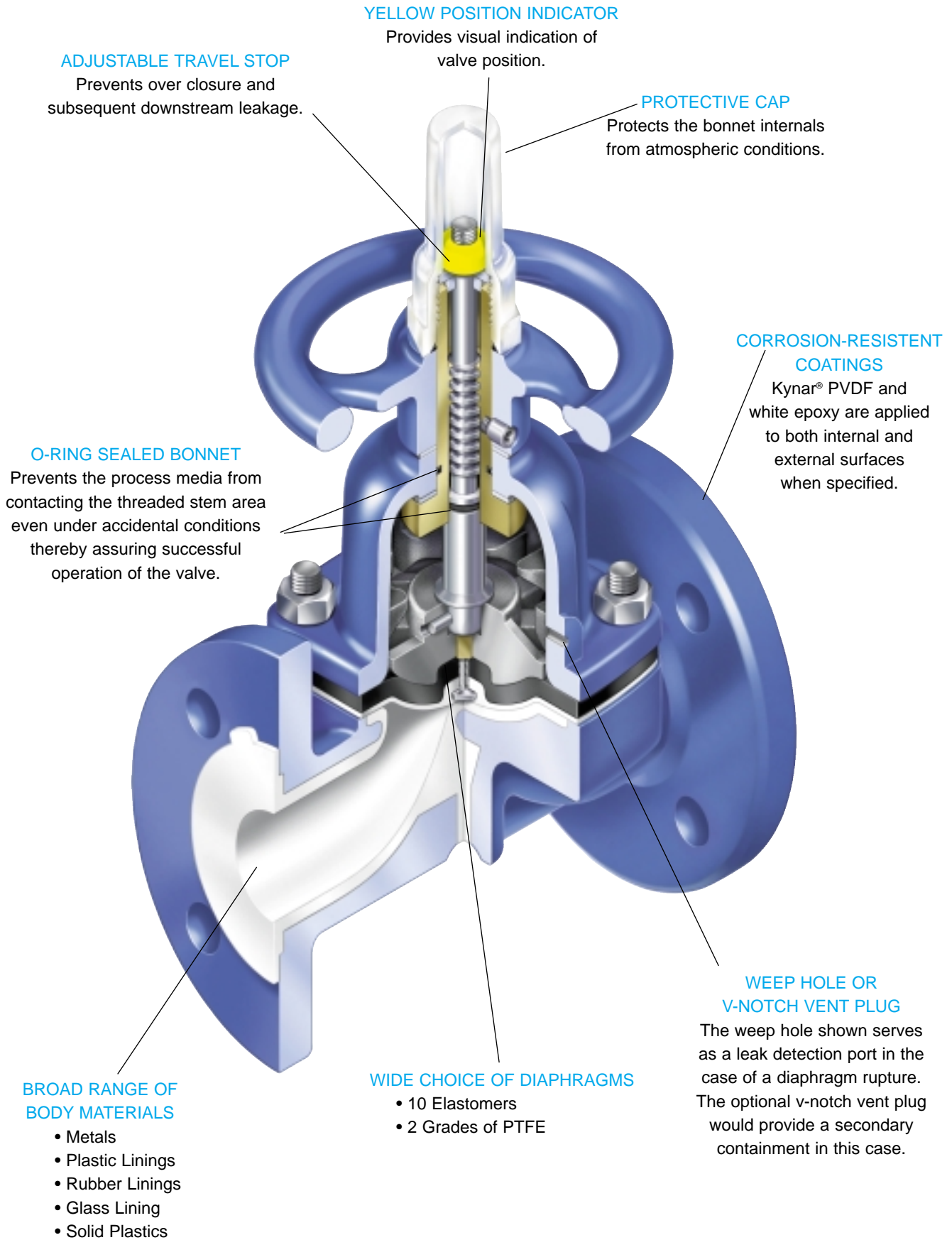


DIA-FLO® Diaphragm Valves

WEIR TYPE
VALVES



DIA-FLO[®] *Diaphragm Valves*

Features & Benefits

Bonnet Isolation

- The diaphragm isolates the working parts of the valve from process fluids.

Streamlined Fluid Passage

- The smooth contoured body has minimal pockets, cavities or dead spaces, which prevent accumulation or stagnation of process fluids or contaminants.

No Packing Gland or Packing

- No more packing gland adjustment required or stem packing leakage problems for improved control of fugitive emissions.

Positive Leak Tight Closure

- Bubble tight closure is provided in accordance with MSS SP-88.

In-Line Maintenance

- Easily maintained when required for reduced downtime and lower cost of ownership.

Line-Lok[®]

- Unique feature in all plastic lined valves that prevents liner flexing over the weir, which reduces the potential for liner cracking.

2 Grades of PTFE Diaphragms

- Virgin PTFE (R2) and Modified PTFE (TM) provide superior flex life, reduced permeation and excellent chemical resistance.

Molded Closed 2-Piece PTFE Diaphragm

- Diaphragms are molded to the exact contour of the weir for superior shutoff capabilities.
- 2-piece configuration eliminates delamination of PTFE which is common to 1-piece configurations.

Adjustable Travel Stop

- Prevents overclosure of the valve and prolongs diaphragm life. The adjustability feature assures that leak-tight shutoff can be maintained throughout the valve's life.

Bronze Bushing

- Reduces turning torque and enhances cycle life in "dirty" atmospheres.

Sealed Bonnet

- Offers secondary process containment to control fugitive emissions.
- Supplied with leak detection port as standard.

Floating Tube Nut

- Prevents point loading of the stud on PTFE diaphragms, which enhances diaphragm life, particularly in high temperature and high cycle applications.

100% Seat & Shell Testing

- All valves are pressure tested bubble tight prior to shipment. NO leakage is allowed.

Extensive selection of body and diaphragm materials and actuation packages.

- Allows optimum selection of materials for service conditions, often without expensive upgrades.