

DIAPHRAGM VALVE MANUFACTURER

VALAM

S.A.I.C.

WEIR TYPE DIAPHRAGM VALVES

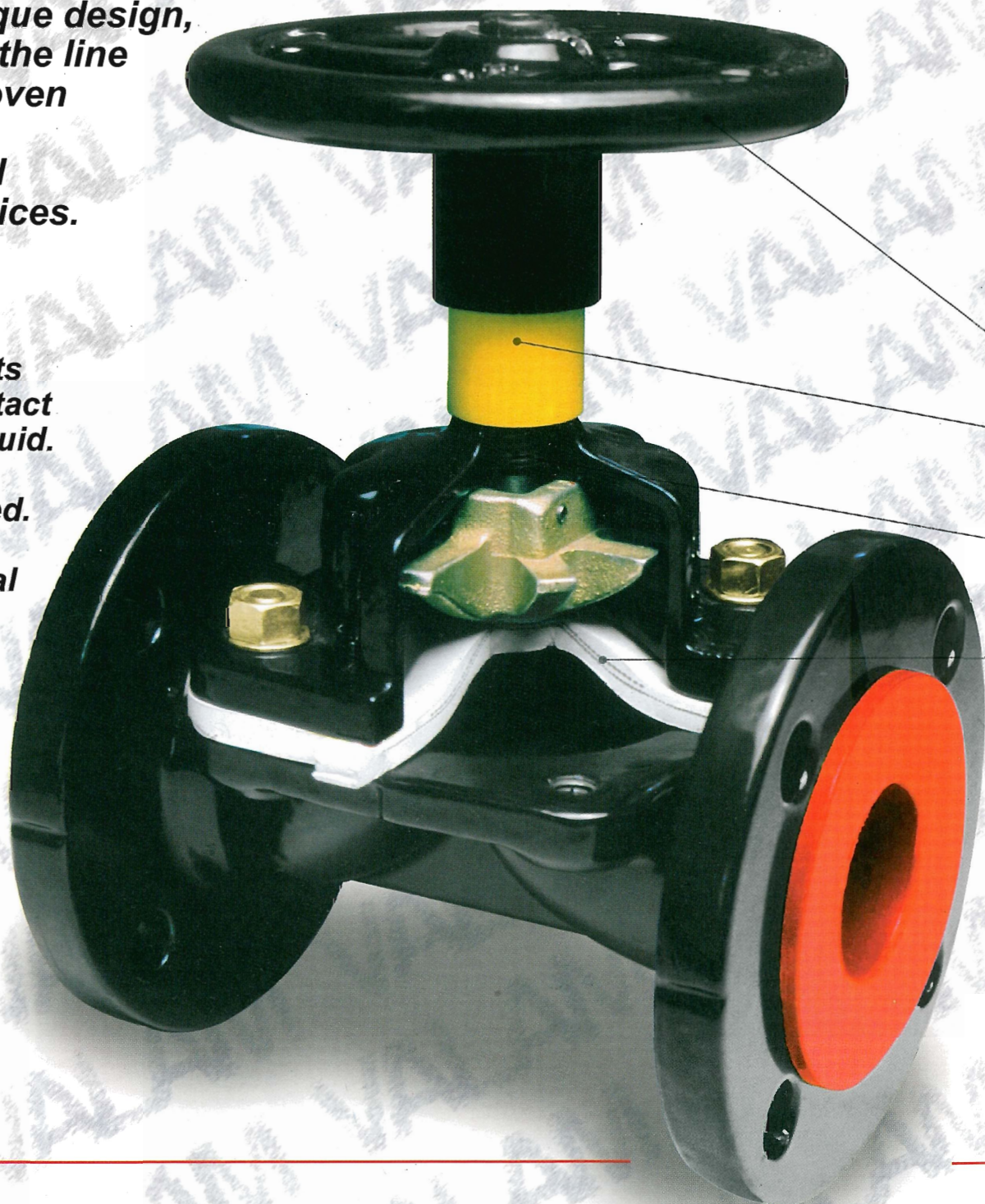


*A unique design
for optimum
performance*

Valam® weir type diaphragm valves

Leakproof and economical performance due to a unique design, sealed from the line fluid and proven in corrosive, abrasive and general services.

Operating parts are not in contact with the line fluid. All parts are phosphated. Epoxy paint avoids external corrosion.

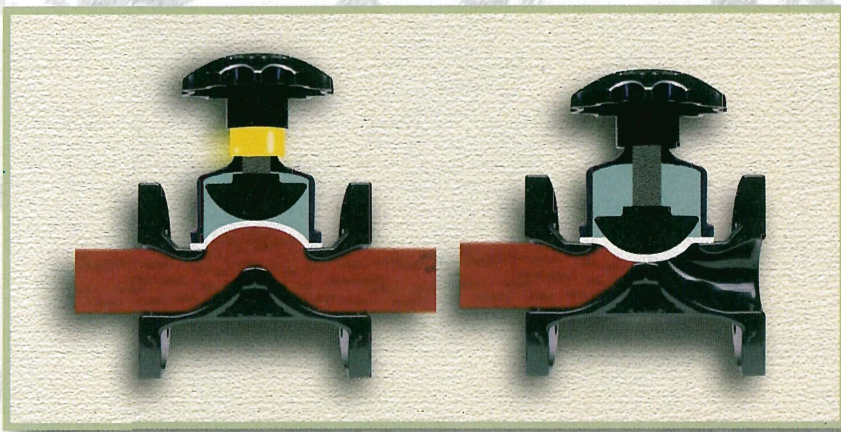


Unique and unbeatable design

- Long diaphragm life due to short stem travel.
- Excellent performance, in regulating as well as in ON-OFF services.

Wide application range

- The large variety of materials, linings, diaphragms and operating methods allow use on most fluids, meeting your requirements.



Valve Flow

Cavity free design produces a smooth and aerodynamic flow, in weir type as well as straight through valves.

Handwheel

Comfortable, for fast operation.

Yellow Indicator

Indicates valve position, even from a distance, and does not interfere with valve operation

Stem

Lubricated, and sealed from atmosphere by the yellow indicator sealing lip, which offers protection against wear and external contamination.

Diaphragm

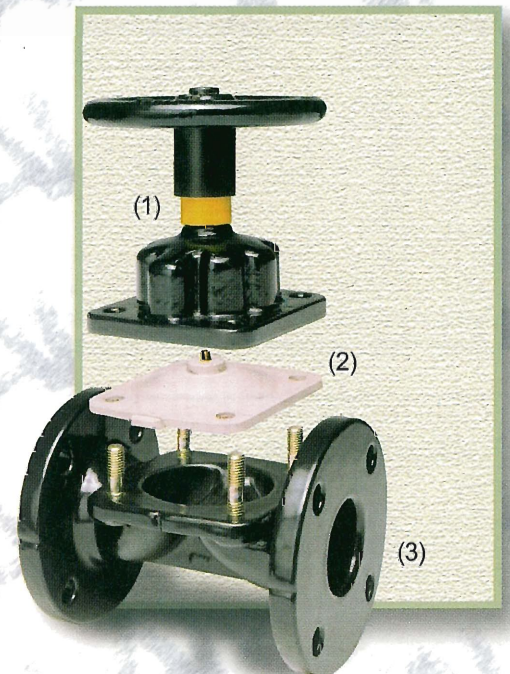
Design criteria achieve a strong and reinforced diaphragm, guaranteeing leakproof closure, security and long life.

There is an appropriate diaphragm for each fluid, due to a wide range of natural and synthetic rubbers and PTFE



Body Options

Flanged, screwed, butt-weld and clamp ends. Variety of metals, as well as rubber, polymer and glass linings.



Low maintenance costs

Long life of the three parts

(1) Operating mechanism

(2) Diaphragm

(3) Body

Diaphragm replacement is fast, easy, and without removing the valve from the line

Operating flexibility

- Manual and pneumatic operating mechanisms are interchangeable, even without removing the valve from the line.

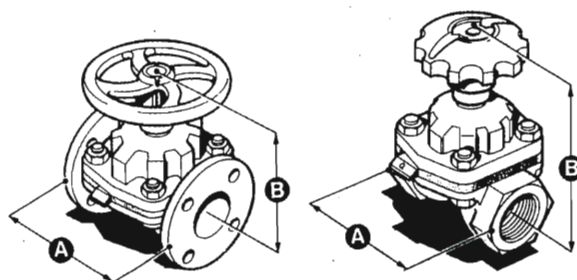
100% leakproof

- Diaphragm closure without friction guarantees a leakproof seal, even with particles in the fluid.
- Industrial vacuum also successfully handled.

Approved quality

- Top international technology used in manufacture.
- International Quality Standards applied.

Basic dimensions of weir type diaphragm valves



DIMENSIONS (mm), WEIGHTS (Kg) and PRESSURES (bar)

| Valve size | | Female screwed ends | | BS 5156 Flanged ends | | | | Maximum working pressures | | Weights | |
|------------|--------|---------------------|----------|----------------------|---------|-------------------|-----|---------------------------|------|---------|---------|
| (DN) | | A | B (open) | A | | B (open) | | | | | |
| mm | inches | All materials | | Metals | Rubbers | Polymers or Glass | | Diaphragm | | Screwed | Flanged |
| | | | | | | | | Rubber | PTFE | | |
| 08 | 1/4" | 48 | 59 | - | - | - | - | 16 | 10 | 0,150 | - |
| 10 | 3/8" | 48 | 68 | - | - | - | - | 16 | 10 | 0,260 | - |
| 15 | 1/2" | 64 | 91 | 108 | 114 | 110 | 100 | 16 | 10 | 0,525 | 1,550 |
| 20 | 3/4" | 83 | 94 | 117 | 123 | 119 | 100 | 16 | 10 | 0,850 | 2,250 |
| 25 | 1" | 108 | 115 | 127 | 133 | 129 | 110 | 16 | 10 | 1,400 | 2,950 |
| 32 | 1 1/4" | 121 | 152 | 146 | 152 | 148 | 150 | 16 | 10 | 2,200 | 3,800 |
| 40 | 1 1/2" | 140 | 164 | 159 | 165 | 161 | 160 | 16 | 10 | 2,700 | 4,750 |
| 50 | 2" | 165 | 187 | 190 | 196 | 192 | 180 | 16 | 10 | 4,150 | 7,750 |
| 65 | 2 1/2" | 203 | 224 | 216 | 222 | 218 | 214 | 10 | 10 | 10,300 | 13,200 |
| 80 | 3" | 254 | 233 | 254 | 260 | 256 | 220 | 10 | 10 | 15,650 | 19,060 |
| 100 | 4" | - | - | 305 | 311 | 307 | 300 | 10 | 10 | - | 32,030 |
| 125 | 5" | - | - | 356 | 362 | 358 | 375 | 10 | 10 | - | 45,000 |
| 150 | 6" | - | - | 406 | 412 | 408 | 430 | 10 | 7 | - | 67,000 |
| 200 | 8" | - | - | 521 | 527 | 523 | 507 | 7 | 6 | - | 141,000 |
| 250 | 10" | - | - | 635 | 641 | 637 | 588 | 5 | 5 | - | 240,000 |
| 300 | 12" | - | - | 749 | 755 | 751 | 683 | 4 | - | - | 329,000 |
| 350 | 14" | - | - | 749 | 755 | 751 | 893 | 3,5 | - | - | 429,100 |

Rising handwheel and stem in sizes DN 008-150. Non-rising handwheel in sizes DN 200-350.
Dimensions are shown for planning purposes, and should not be used for manufacture.

MAIN MATERIALS

Bodies

Cast Iron Aluminium
Stainless Steel HSB (screwed bodies)
Carbon Steel
Brass

Linings

Ebonite Hypalon®
Soft rubber Rilsan
Butyl Glass
Viton® PFA / ETFE / ECTFE

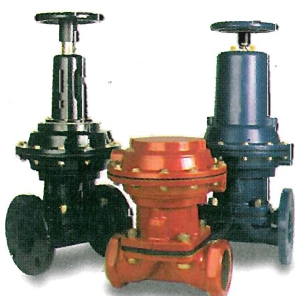
Diaphragms

Natural Rubber Hypalon®
Nitrile Viton®
Butyl EPDM
Neoprene® PTFE

Our technical Sales Department can recommend the appropriate valve for each application.

VALAM® Valves - available worldwide.

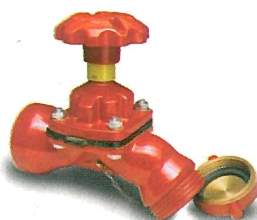
FO-0001. 4/01



Automatic



Straight Through



Hydrant



Sanitary



Check

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