# Valv-Tech Inc.

# HW Style

## Heavy Duty Butterfly Valves with Wafer Body

- **150 PSI Differential Pressure**
- **High Temperature**
- **Suitable for throttling or shut-off service**
- **Minimal leakage in fully-closed position**

**HW Style Butterfly Valve with Bare Stem**

### The Versatile HW Style Wafer Body Valves

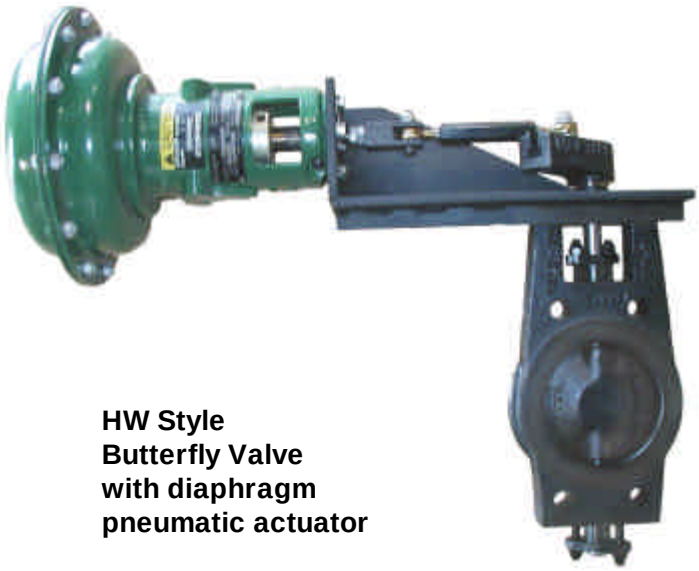
**are designed for reliable regulation of liquids, gasses, slurries, dust and low-pressure steam. Standard operating shut-off pressure is 150 psi in 3", 4", 5", 6" & 12" sizes.**

**Standard valve construction includes iron body and disc, stainless steel stub shafts, internal STELLITE bearing, Graphite packing and adjustable packing unit. Special materials are available for temperatures exceeding 1200 F. or for severe service conditions.**

**Valv-Tech's streamlined disc design provides a relatively low-pressure drop in the open position. Opening and closing the valve disc requires only a quarter turn of the valve shaft. To meet your individual control requirements, these valves can be fitted with lever, manual gear, pneumatic, hydraulic or electric actuators.**

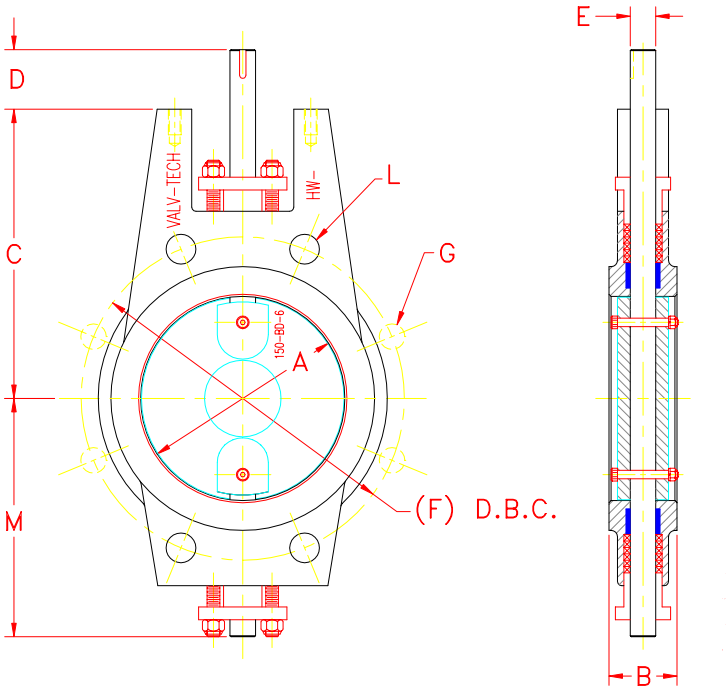
**The HW Style Valve bodies are designed to withstand line pressure up to the full ANSI flange rating. Flange drilling of the HW is 150# ANSI. Customer bolt circles which differ from standard can be accommodated by consulting the factory.**

**Seat selections, bearing and packing arrangements are shown on the reverse side, together with dimension drawings and chart. Select the right Valv-Tech HW Style Butterfly Valve for compatibility with your operating conditions, and we will ship a top-quality valve right back to you . . . at the right price.**

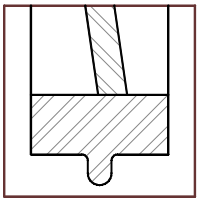


**HW Style Butterfly Valve with diaphragm pneumatic actuator**

# VALV-TECH INC.
## HW Style Heavy Duty Butterfly Valves

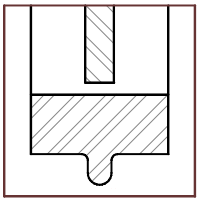



## Seats Available



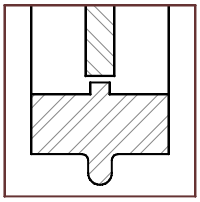
**"M" ( metal-to-metal seat )**

Clockwise to close is standard, counterclockwise is available on request. Ideal for minimum leakage applications with clean service conditions at temperatures under 600 F.



**"C" ( swing-thru seat )**

For dirty service conditions at any temperature range. Clearance depends upon temperature.



**"X" ( scissor seat )**

For dirty service conditions, where particles tend to adhere to inside of system. Raised seat serves as a wiper to clean off disc edge as it closes.

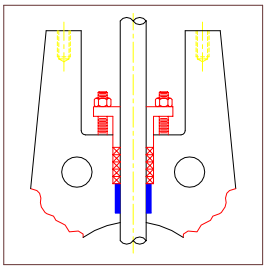
### Class 150 Valves

| Size | A | B | C | D | E | F | G | H | L | M | Approx. Wt. #'s |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 3.0 | 2.00 | 6.75 | 1.75 | .50 | 6.00 | .62 | 4 | .75 | 5.06 | 17 |
| 4 | 4.0 | 2.00 | 7.50 | 1.75 | .75 | 7.50 | .62 | 8 | .75 | 6.25 | 24 |
| 5 | 5.0 | 2.00 | 8.00 | 1.75 | .75 | 8.50 | .75 | 8 | .88 | 6.50 | 28 |
| 6 | 6.0 | 2.00 | 8.50 | 1.75 | .75 | 9.50 | .75 | 8 | .88 | 7.00 | 31 |
| 12 | 12.0 | 2.75 | 12.50 | 1.75 | 1.00 | 17.00 | .88 | 12 | 1.00 | 11.22 | 102 |

F -- Bolt Circle
G -- Stud Dia. x N.C. Thread
H -- No. of Holes
L -- Hole Dia.

F – G – H – L -- Dimensions for 150# ANSI Flanges Only

### Bearing / Packing Configurations

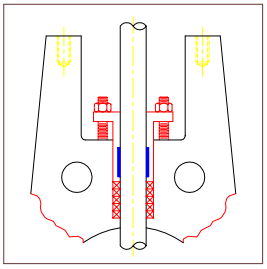


**Inboard Self-lubricated bearing with Teflon packing**

for air, gas or liquid service to 500 F. in clean applications.

**Inboard Stellite bearing with Graphite packing**

for air, gas or liquid service to 1200 F. in clean applications.



**Inboard packing with outboard bearing**

for dirty service conditions in all temperature ranges.

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