



OYSTER FOOD GRADE VALVE

HIGH QUALITY HYGIENIC VALVES FOR THE FOOD & BEVERAGE INDUSTRY



The Oyster Food Grade valve is a complete range of butterfly valves for powder handling applications in the Food & Beverage industries, wherever a high quality, precision engineered stainless steel valve is required. It is offered as a high quality lower cost alternative Hygienic valve where a full pharmaceutical specification is not required.

Key features:

- All metal **surfaces in product contact are st/st 316L**
- Valve body components are **machined from solid** wherever possible to prevent ovalisation or porosity due to welding. In particular, unlike competing valves there are no cast components in product contact. This important because cast surfaces are also prone to micro-porosity.
- **Optimized seal parameters** reduce opening torque while ensuring tight closure
- Clean design and **high quality machine finish** on all surfaces
- **Sandblast finish** as an optional
- **USP Class VI** certified silicone seals are supplied as standard
- Available as both **wafer style** or with **Tri-clover connections**
- Can be manually operated or else supplied with **a full range of automation options**



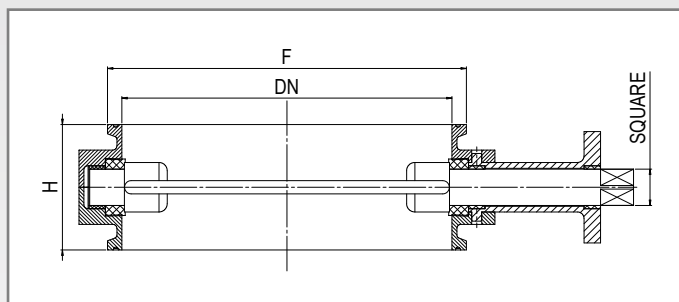
FIELD OF APPLICATION

Powder shut off

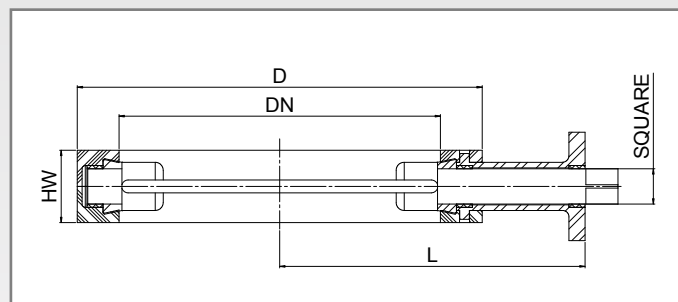
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The valve operates at a low opening torque which means that it is easy to operate manually in confined spaces, or for automated valves, that it can be operated by smaller, lighter and cheaper actuators with lower air requirements. The reduced torque reduces wear and tear on the valve, the actuator and the installation as a whole.

Sizes & body types



WAFER-type



TC/TC-type

KEY DIMENSIONS

(Dimensions in mm)

Nominal size DN	100	150	200	250	300
F*	4"	6"	8"	10"	12"
D	152	202	252	302	352
L	140	165	190	215	240
HW	45	45	45	45	45
H	76	76	76	76	76
Square	17x17	17x17	17x17	17x17	17x17
Weight - Kg	4,5	6,6	8,9	11,1	14,3

* TC specification is ASME/BPE unless otherwise specified. A full range of tri-clover types can be supplied. Weight given is indicative only and may vary according to the configuration. Excl. Handlever.

INSTALLATION ZONE

Working pressure

In/Out 0.5 bar (7.3 psi)

Upstr./Downstream* Powder tight

Temperature

Manual -30°/+90°C (-22°/194°F)

Actuated -20°/+80°C (-10°/176°F)

* Pressure tested valves can be supplied on request depending on seal material and process conditions.

Above all the valve is designed to be user friendly and easy to maintain, to ensure a long and profitable service lifetime.

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