



Tips for Ordering Valves

What is a Valve ?

Valve is a device that regulates and controls gas or liquid flow through a flow system.

From a simple toilet flush to main engine cooling systems, ballast water systems, cargo control and fire fighting systems and many more

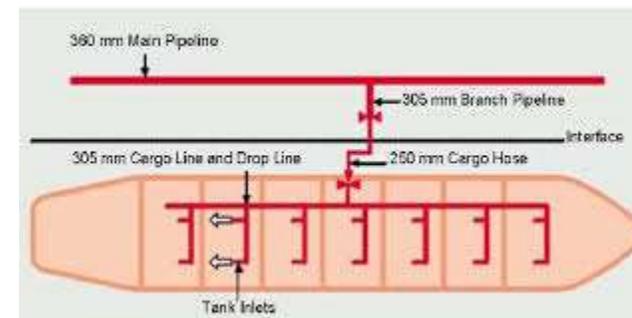
They control the blood passing through the ship's veins.



Properties of Marine Valves



- ❖ Overboard Valves
- ❖ Cargo Valves
- ❖ Class requirements



Frequently needed types of Marine Valves



Globe valves



Gate valves



Butterfly Valves

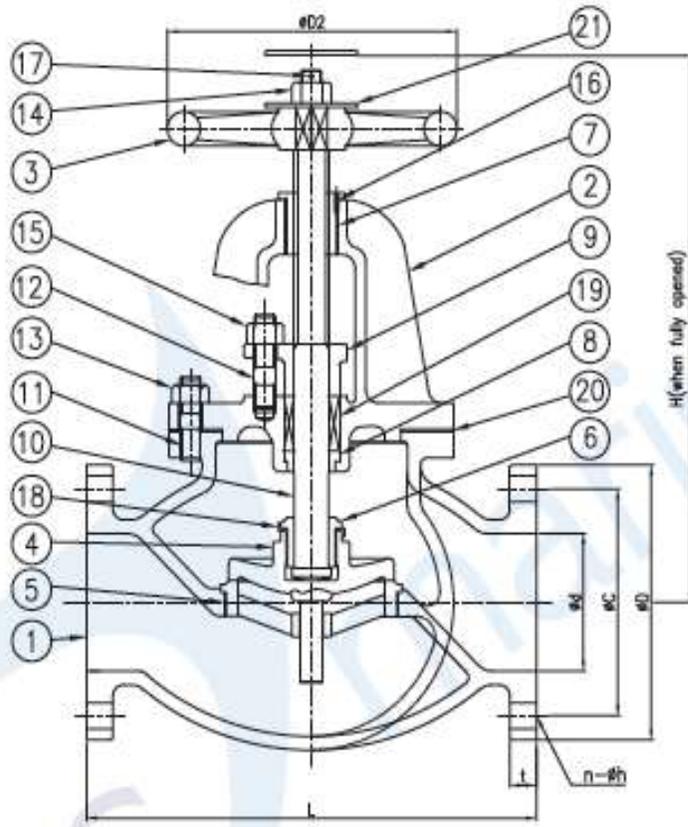


Storm Valves

Key information when ordering valves

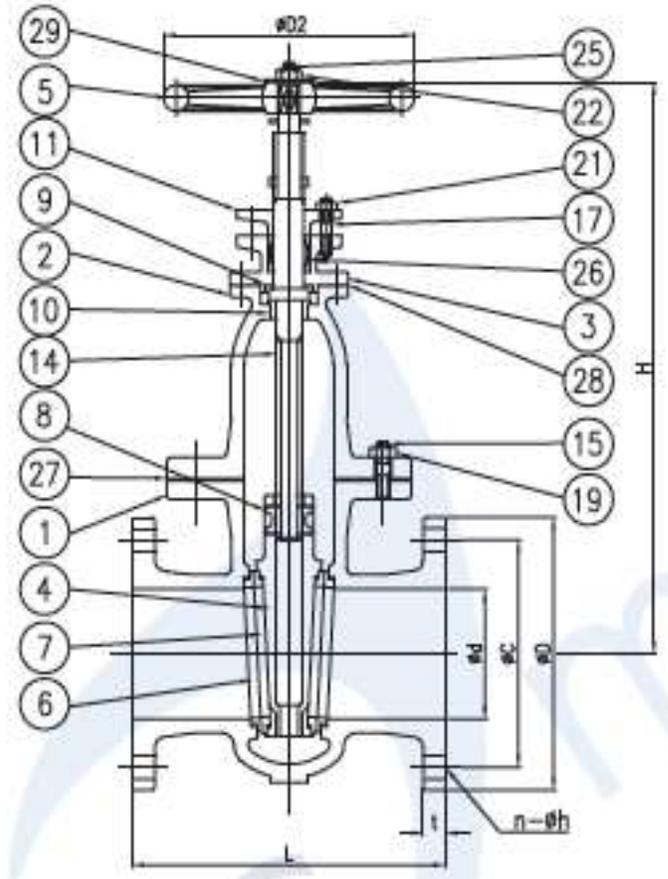
- ❖ Valve type (gate, globe, butterfly...)
- ❖ Body & Disc material. (cast iron, cast steel, bronze ...)
- ❖ Seat material (only for Butterfly valves, NBR, VITON, Teflon...)
- ❖ Fluid type, max. working pressure & temperature.
- ❖ Flange dimensions (PCD, Number of Holes...)
- ❖ Face To Face dimensions.
- ❖ Class requirements

Ordering Globe Valves



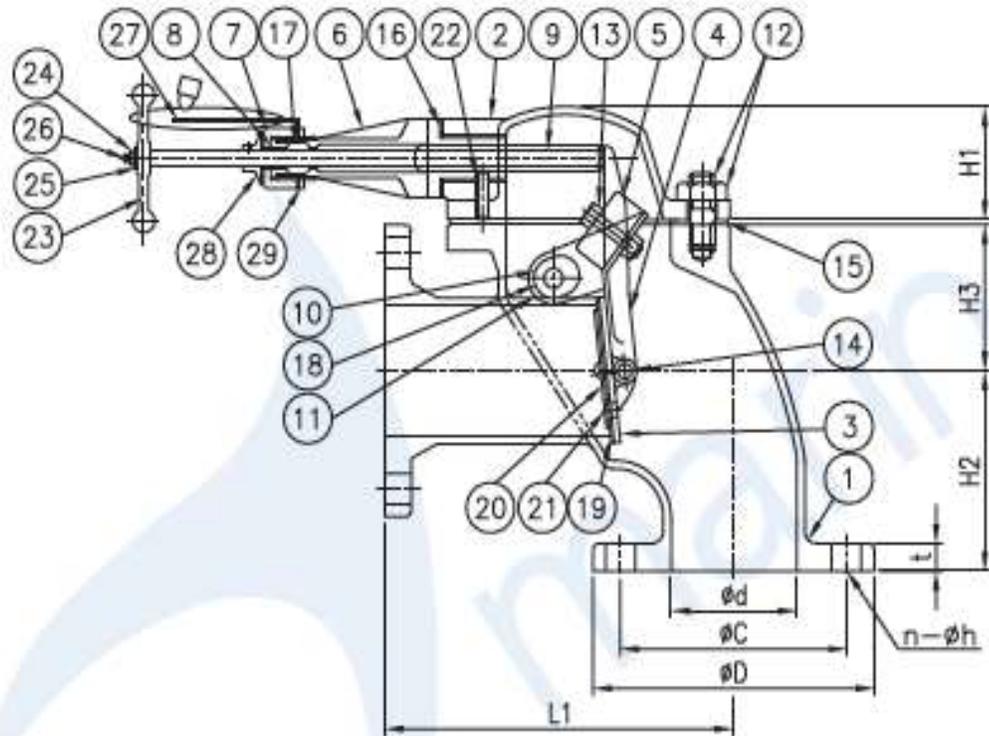
- ❖ **STOP TYPE** : two way flow. When disc is fully closed, no flow.
- ❖ **SDNR TYPE** : SDNR (Screw Down Non Return) disc allows just one way flow. Stops back flushing.
- ❖ When ordering:
 - ❖ Body-pattern: Angle/straight
 - ❖ Working line properties.
 - ❖ Flange dimensions
 - ❖ Material
 - ❖ Face To face

Ordering Gate Valves



- ❖ Also known as a **sluice valve**.
- ❖ Opens up as a gate.
- ❖ Sanitary & Grey Water Overboard lines, which also requires Class Certification.
- ❖ When ordering:
 - ❖ Working line properties.
 - ❖ Flange dimensions
 - ❖ Material
 - ❖ Face To face

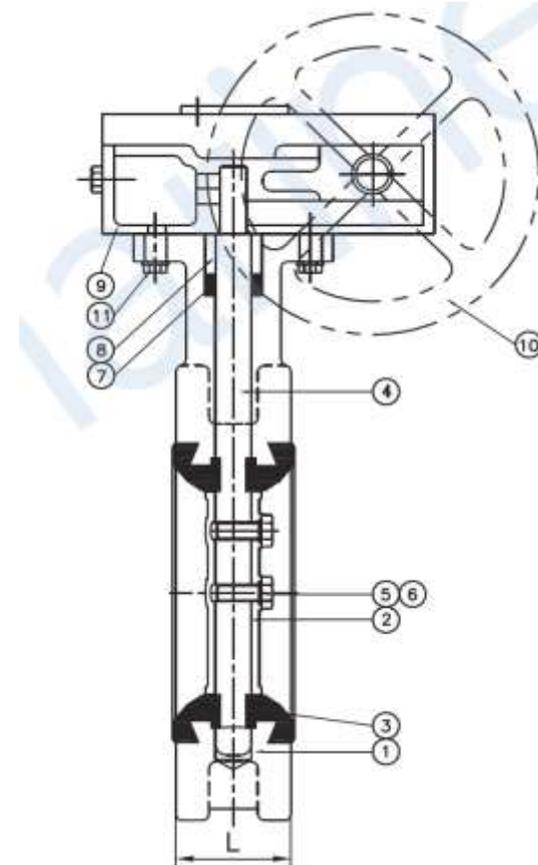
Ordering Storm Valves



- ❖ Also known as **scupper valves**.
- ❖ Used in a ship's sanitary-piping system.
- ❖ Overboard discharge operations.
- ❖ When ordering
 - ❖ Working line properties.
 - ❖ Flange dimensions
 - ❖ Material
 - ❖ Face To face
 - ❖ JIS 5K and 10K has the same pattern

Ordering Butterfly Valves – 1

- ❖ Used on almost all system lines,
- ❖ Light, easier to operate and low cost
- ❖ When ordering
 - ❖ Working line properties
 - ❖ Body type
 - ❖ Flange rating
 - ❖ Disc material
 - ❖ Seat material
 - ❖ Actuator type



Types of Butterfly Valves - 2

Wafer Type



Lug Type:



Ordering Butterfly Valves - 3

- ❖ **Double Flanged Type**
 - ❖ JIS SHORT PATTERN
 - ❖ JIS LONG PATTERN F7480
 - ❖ DIN U-TYPE PATTERN
 - ❖ DIN SHORT PATTERN (SR. 53)
 - ❖ DIN LONG PATTERN (F4)



Ordering Butterfly Valve Spares

- ❖ Replaceable seat rings (JIS)
- ❖ Bonded Lined seat rings (DIN)
- ❖ Valve type and Size of the valve
- ❖ Maker name & model number
- ❖ Material of the seat ring : NBR / EPDM / VITON / PTFE / RTFE
- ❖ Name of the spare part if you request a part other than the seat ring. (Disc, gear box, disc pin, packing etc)



Ordering Valves for Chinese Built Vessels

- ❖ Non- Standard piping and flange connections
- ❖ As in some cases valve body standards could be in DIN but flange holes and dimensions could be as JIS.
- ❖ The most reliable solution for this problem is to generate your enquiries as per existing valve's actual flange dimensions along with the valve thickness / face to face.

About Atlas Marine Valves

- ❖ New Member of Atlas Sea Group.
- ❖ Experience in marine supply industry since 1979
- ❖ Wide availability with various types of valves in our warehouses in Turkey and South Korea
- ❖ Overboard Valves are stocked with class certificates



One stop valve solutions

- ❖ Dedicated team specializing only on valves and valve spare parts.
- ❖ Hands on advise and recommendation for each and every delivery.
- ❖ Onboard inspections for complete system.
- ❖ reconditioning and flange drillings in very short time.



Worldwide Deliveries



- ❖ instant worldwide deliveries.
- ❖ Strong cooperation with global couriers, airlines and forwarders.
- ❖ Professional and environmental packing.
- ❖ Order tracking.

THANK YOU FOR YOUR TIME...