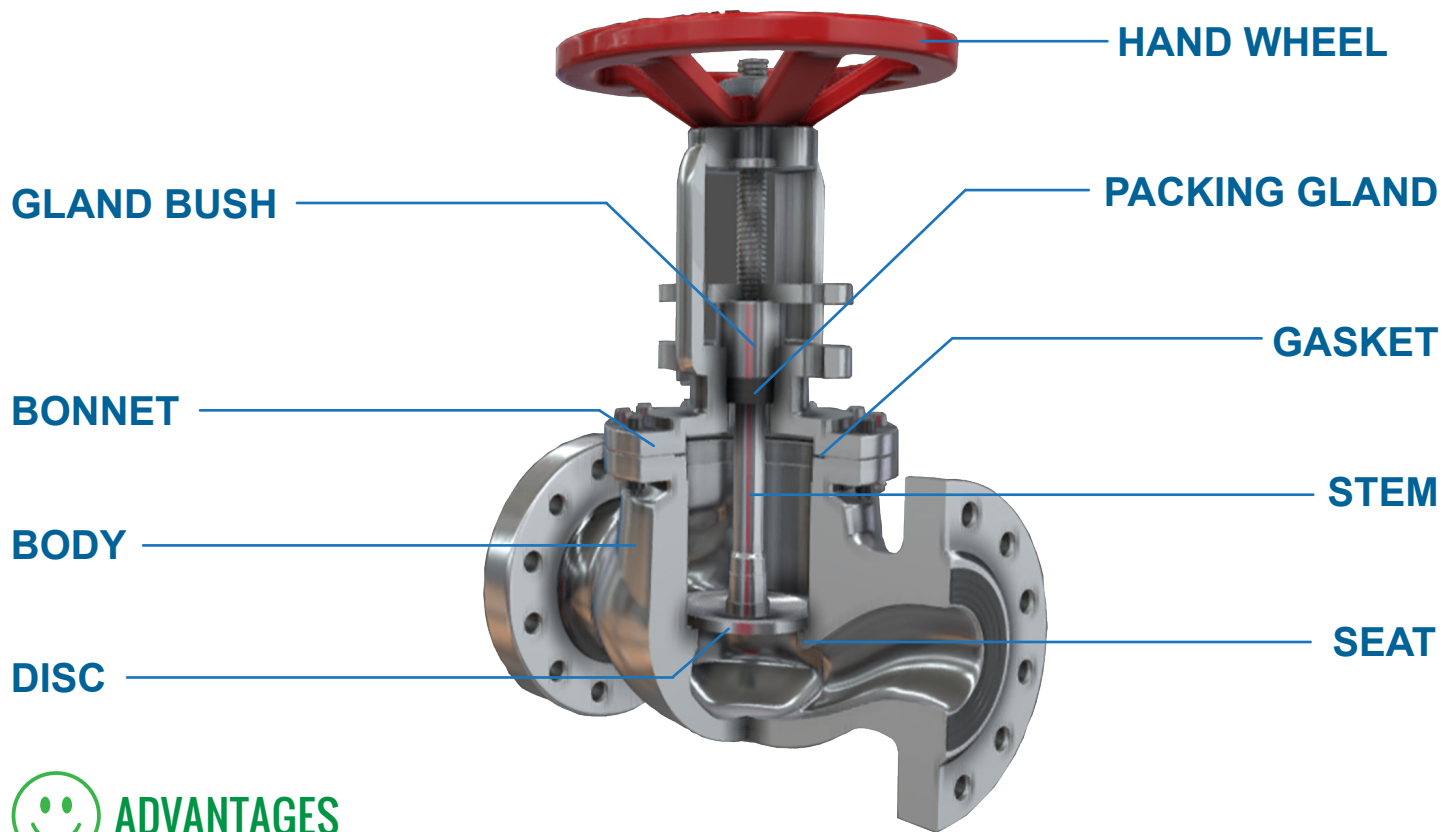


# Globe Valve

Globe valves obtained their name due to the shape of their spherical valve body, but this is slightly deceptive as globe valves are not the only type of valve with this body shape. Globe valves are some of the most common valves currently employed.



## ADVANTAGES

Due to the circular shape of the disc and seat, uneven wear across machined area is unusual.

Globe valves can be used for throttling (flow control), but the valve does not give a great degree of control due to the large circular shape of the disc. If fine flow adjustments are needed, the globe valve design is probably not the best option.

An angled globe valve has one less right angle turn than a straight globe valve, this leads to a lower pressure drop.

## DISADVANTAGES

Globe valves suffer from a high pressure drop when the valve is throttled and this can lead to damage of valve internal components (trim).

Globe valves are often jammed open due to incorrect operation.