

# DUCTILE & CAST IRON GLOBE and ANGLE VALVES (150/300 LB)

## DESCRIPTION

These high quality 150/300 pound ductile & cast iron valves are especially intended for steam, water, oil or gas service and, unlike the gate valve, are recommended for throttling usage. The guiding system insures proper seating at all times, thus saving the seat areas from wear. Bonnets are designed with a large, deep stuffing box, equipped with a gland so that, when wide open, the valve can be repacked while under pressure. Their bolted bonnet design assures a tight body-bonnet joint which can be easily dismantled and reassembled without danger of damaging the valve.

Stop check valves act as an automatic non-return valve by preventing back flows. The valves are equipped with a handwheel which permits closing the valves while under pressure or if already closed, automatically permits holding the disc in the closed position. There is no mechanical connection between the stem and disc, and when the stem is raised by the handwheel, only pressure from the flow can lift the disc. All globe and angle valves can be furnished as stop check when specified.

Globe valve body markings are as follows:

**SIZE**  
**PRESSURE**  
**DI or CI**  
**PIMA**

The bridge marking or flow direction arrow is cast on the valve body.

## TRIM

Standard bronze, monel and SS trim globes and angles feature renewable screwed-in-body type rings.



## TESTING

Each globe or angle valve that leaves Pima is tested in accordance with applicable commercial specifications API 598 (Ductile Iron) & MSS-SP85 (Cast Iron).

The test envelope is dependent on the applicable service rating. For example, a class 125 cast iron valve (ASTM A126) would have a service rating of 200 PSI at 100 degree Fahrenheit which would mean a hydrostatic shell test at 350 PSI and a hydrostatic seat test at 200 PSI.

