

Globe Style Silent Check Valve

Figure 288 PN16-25-40-64-100



IRUA Tech Ind.

DESCRIPTION:

Silent check valves designed to prevent reverse flow automatically.

The valve shall open when upstream pressure exceeds downstream pressure by 0,2 bar approx.

An internal spring shall close the valve just prior to equalizing of pressure on both sides of the plug providing a quiet and non-slamming valve closure.

Figure 288 check valve is excellent to minimize water hammer and protect the water systems.

SIZES:

DN50-DN1000

PRESSURE RATING:

PN16-25-40-64-100 acc. to EN

CLASS 150-300-400-600 acc. to ANSI

TESTING PRESSURES:

Body: 1,5 x PN

Seat: 1,1 x PN



Materials:

Body: Ductile iron EN GJS 500-7.

Plug: stainless steel A304 up to DN350; Carbon steel + stainless steel A304 in seat contact area from DN400

Seat: Stainless steel A304

Bushings: Bronze Rg5

Shaft: Stainless steel A304

Seal: NBR/EPDM

Spring: Stainless steel A303

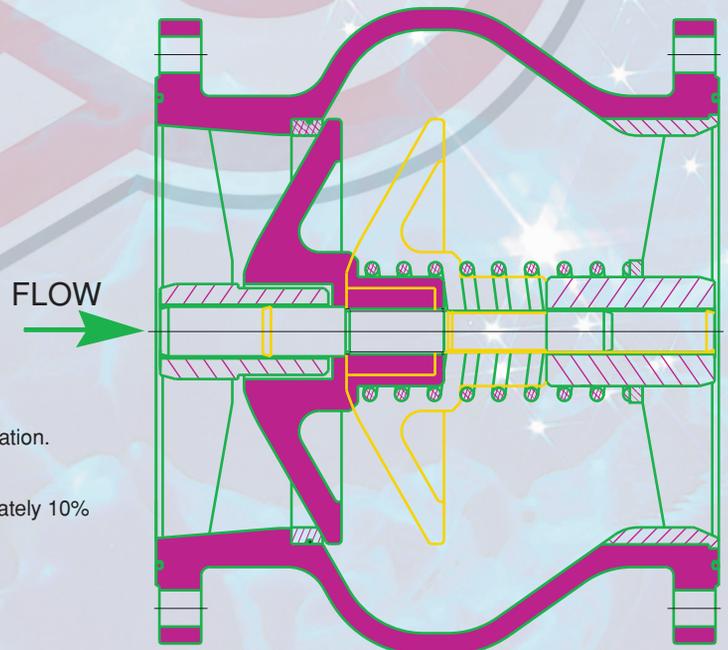
Coating:

Body and plug Internal and external 200 microns thickness of atoxic epoxy coating.

Other materials and coatings available under request.

STANDARD FEATURES:

- Specially designed to prevent water hammer.
- Very quick closure response to avoid damages to the installation.
- Rugged design.
- Full flow area around the plug in the open position approximately 10% greater than pipe size.
- Standard double sealing: resilient seal plus metal-to-metal.
- Renewable SST seat held by SST screws.
- To be installed in horizontal and vertical position.
- Streamlined design for minimum head loss.
- Plug and Shaft guided at both ends.
- Zero leakage sealing.



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Fig.288

USES/SERVICES

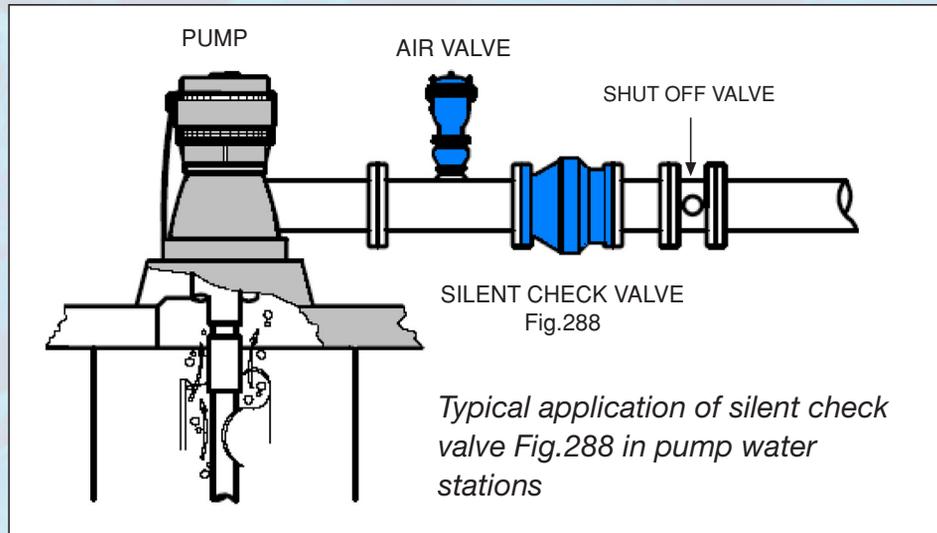
Water supply networks, pump stations, irrigation systems, water process. Consult for other uses.

FLOW MEDIA

Clean water; consult for other fluids.

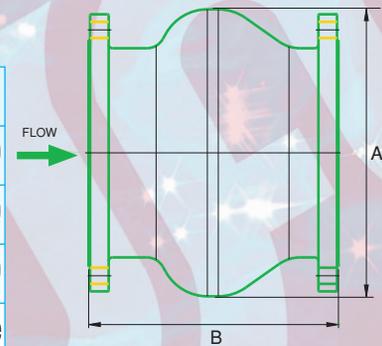
MAINTENANCE

Fig. 288 check valves do not require special attention over long periods of time. If any leakage occurs, it may be caused by foreign particles located in the seating area and the valve should be removed from the line by closing the isolating valve and bleeding off the pressure.



DIMENSIONS (MM) AND WEIGHTS (KG)

DN	50	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000
A	107	200	220	285	340	425	519	560	625	700	772	918	1.030	1.406	1.600	1.750
B	75	150	184	248	318	400	362	388	549	600	686	813	900	960	1.050	1.200
Weight	4	13	23	45	68	92	115	170	220	330	415	720	890	1.210	1.480	1.820
Connection	Wafer	Flange														



SILENT CHECK VALVE Figure 288 / ADDITIONAL INFORMATION



Fig.288 24" Class 600



Fig.288 2" with wafer type ends



Fig.288 DN500 PN25

The overall design of the silent check valve Figure 288 and in particular his closing guided horizontal displacement permits its installation downstream the pump, without a minimum distance requirement.

This could represent an important saving in the global design of the pumping station.

The Fig. 288 valve is supplied with a double-spring safety system, strong enough to immediately carry the disc to the close position when the pump starts to decrease the flow reaching a very low reverse velocity and minimizing the water hammer.

Once the valve get closed, it will remain in this position during the transient period. This makes the Fig. 288 valve as the ideal for a pump discharge and system protection.



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