DT DUTCOTENNANT LLC

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Swing Check Valve

Description

A swing check valve is a check valve in which the disc, the movable part to block the flow, swings on a hinge or trunnion, either onto the seat to block reverse flow or off the seat to allow forward flow. The seat opening cross-section may be perpendicular to the centerline between the two ports or at an angle. Although swing check valves can come in various sizes, large check valves are often swing check valves. Another variation of this mechanism is the clapper valve, used in applications such as firefighting and fire life safety systems. A hinged gate only remains open in the inflowing direction. The clapper valve often also has a spring that keeps the gate shut when there is no forward pressure.

These conventional swing check valves are used in horizontal or vertical systems with rising flow to prevent flow reversal. These are suitable for multi-pump water applications which have low to medium lift.

Features

- ✓ Valves for working pressure between 0,1 – 16 bar
- ✓ Designed according to BS / AWWA standards
- ✓ Requires minimal maintenance
- ✓ Optional accessories such as lever & weight, drain plugs, arm-guard, proximity switches etc.
- ✓ Flanged Connection
- ✓ By-pass facility for larger sizes

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Material Specification

Body, Cover	Ductile Iron /Cast Iron
Seat(s)	Stainless Steel / Gunmetal / Rubber
Hinge Pins	Stainless Steel
Internal, External Bolts, Nuts	Stainless Steel / Galvanized Steel
Sizes	DN50 – DN1800
Pressure Rating	PN10/16/25
Hydraulic Test	1.1xPN for Seat & 1.5xPN for Body
Coating	Nontoxic Epoxy Internally & Externally