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CHECK VALVES

BALL CHECK VALVES (THREADED) MODEL: B-06



This Ball Check Valves is designed specially for lower pressure applications where the pipes are threaded. The working [principal](#) and [features](#) are as model B-01 giving all the advantages of the Ball Type design.

The typical applications are domestic pumping, low rise building pumping, small irrigation systems. The working pressure is 6 bar.

DESCRIPTION

BODY/ADAPTER

BALL

SEALING RING

FASTENERS

PAINT

END CONNECTION

MATERIAL OF CONSTRUCTION

CAST IRON (GG25)

NITRILE REINFORCED

NITRILE UPTO 80mm/L.T. Bronze for 100mm

CARBON STEEL

ENAMEL PAINT

THREADED

SIZE RANGE

25mm TO 100mm

PRESSURE TESTING

BODY: 1.5 X PN

SEAT : 1.1 X PN

PRESSURE RATING -KPa

25mm TO 100mm

PN 0.6

INSTALLATION

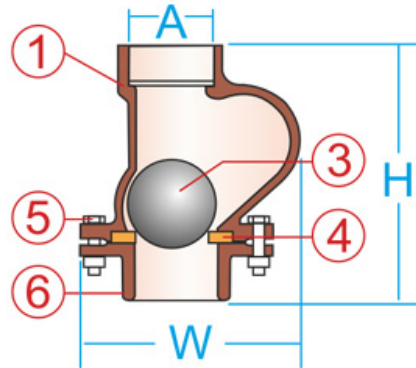
VERTICAL

TEMPERATURE

SUITABLE UPTO 80°C

6=Dimensions (Valve size in mm)

Size (A)	25	40	50	65	80	100
H	100	135	165	200	244	284
W	90	125	148	190	232	275



TECHNICAL COMPARISON

6=

CHECK VALVE - BALL TYPE & CONVENTIONALLY USED FLAP TYPE

Normex Ball type B-01

Conventional Flap type

Innovative design, focused to eliminate all constraints of conventional one and offer optimum performance

Conventional design carries lot of constraints.

Internals designed in such a way that laminar flow is not disturbed to a large extent.

Turbulence is generated in fluid flow due to design limitations.

Very low pressure drop across the valve which saves energy, reduces pump cycle time duration

Comparatively high pressure losses, requires more energy increases pump cycle time duration.

Opening & closing mechanism is by way to free flowing rubber coated ball hence eliminated hing-pin-disc failure.

Opening & closing mechanism involves hing-pin-disc calls for frequent maintenance.

Maintenance free - in case required open top cover. No need to remove valve from pipe line - very low down-time.

For maintenance, valve is required to remove from pipe. Longer down time.

Same valve can be used for wide range of applications as it can be supplied with rubber or FRP lining especially for corrosive and erosive applications.

No such possibility. For these applications special metallurgy required to be used which results in paying high cost for the valve.

Vertical or horizontal installation is easily possible

Installation recommended for horizontal position.

Material used is of grade FG 260 having higher tensile strength 6= (26 N/mm²)

Material recommended is FG 200 having lower tensile strength (20 N/mm²)