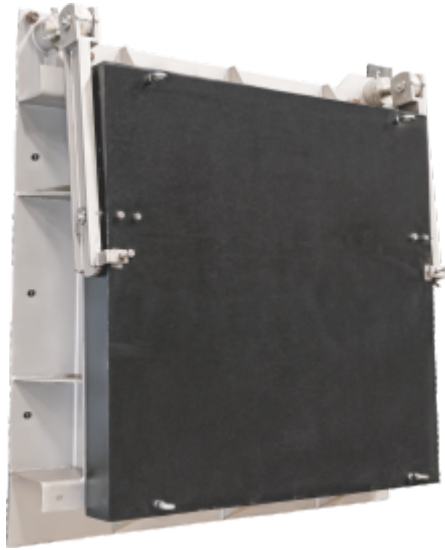


COMPOSITE FLAP GATES SERIES: A - 652

COMPOSITE FLAP GATE



SPECIFICATION:

These flap gates are made as per Jash design.

APPLICATION:

Back flow prevention applications in low head conditions. Composite material enable high corrosion resistance, longevity and minimum maintenance.

SIZE RANGE:

- From 300 mm to 2700 mm.
- Higher sizes can be offered on request.

FEATURES:

- Square / Rectangular fabricated flange back frame / body for mounting on face of wall using anchor fasteners and secondary grout between wall and frame/body or to wall thimble.
- Single piece flap cover manufactured as a composite sandwich construction comprising of light weight rigid cellular core with a fully welded steel matrix covered by rigid compressed composite plastic to withstand applicable head.
- Flap cover is internally chemical bonded, sealed and free of exposed reinforcing material.
- Resilient seal to absorb closing shocks.
- Resilient sealing arrangement comprise of resilient seal mounted on outer peripheral edge of frame / body and in contact with mating face of flap cover.

- Double pivot design for all sizes of flap gate.
- Double hinged with hinge sized to prevent formation of oval hole due to higher applying forces.
- Replaceable hinge pins and self lubricating hinge bushings.

OPTIONAL FEATURES:

- Wall thimble mounting.

MATERIAL OF CONSTRUCTION:

Frame / Body	Stainless Steel ASTM A240-304L / 316L OR FRP
Flap Cover	Composite FRP & Steel OR FRP
Hinge Arm	Stainless Steel ASTM A240-304 / 316
Seals	Neoprene ASTM D-2000
Hinge Bushing	UHMWPE ASTM D-4020
Hinge Bolt	Toughened Steel
Fasteners	Stainless Steel 304 / 316

Higher grade of stainless steel can be offered on request.

SHOP TESTING:

Seat clearance check of each flap gate for checking clearance between mating sealing face.