

HDPE FLAP GATES SERIES: A - 641 & A - 642

SERIES: A - 641



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SPECIFICATION:

These flap gates are made as per Jash design.

APPLICATION:

For low cost back flow prevention applications in low head conditions. HDPE material enables light weight construction thereby offering ease in installation and also high corrosion resistance, longevity and minimum maintenance.

SIZE RANGE:

- From 300 mm to 1500 mm.
- Higher sizes can be offered on request.

SERIES:

- **A-641:** Round flange back frame / body for directly mounting on face of wall using anchor fasteners and secondary grout between wall and frame / body or on the wall thimble or on the pipe flange.
- **A-642:** Square / Rectangular flange back frame / body for mounting on face of wall using anchor fasteners and secondary grout between wall & frame/body or to wall thimble.

FEATURES:

- Single piece flap cover to withstand applicable head. Flap cover may have stainless steel stiffening depending upon size.
- 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.
- Single or double pivot design depending upon size, sensitivity required and application.
- Single or 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.
- Mounting flange drilling pattern to match PN10 as required.
- Stainless Steel frame can be offered on request.

MATERIAL OF CONSTRUCTION:

Frame / Body	HDPE ASTM D-4020 / Stainless Steel ASTM A240-304L / 316L
Flap Cover	HDPE ASTM D-4020
Stiffeners	HDPE / Stainless Steel
Hinge arm	Stainless Steel ASTM A240-304L / 316L
Seals	Neoprene ASTM D-2000
Hinge Bushing	UHMWPE ASTM D-4020
Hinge Pin & Washers	Stainless Steel 304
Fasteners	Stainless Steel 304 / 316

SHOP TESTING:

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