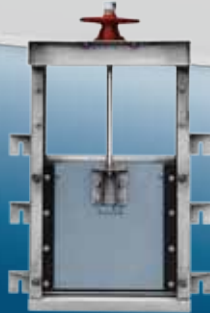




WEDGING  
TITSEAL™ GATES



HEAVY DUTY  
TITSEAL™ GATES



STOP GATES



STOP LOGS

FLOW CONTROL PRODUCTS



SLIDE GATES



WEIR GATES



FLAP GATES

Over 40 years of excellence engineering and fabricating quality composite flow control solutions.

# PLASTI-FAB TITSEAL® GATES

## WEDGING TITSEAL®



- Best Available Technology for Leakage Control
- Ideal for Emergency Shut-Off
- Engineered for Open Channel Applications
- 4 to 5 Times Lower Leakage than AWWA C-563
- Adjustable Seals Mounted on Gate Allows for Adjustment Without De-Watering
- Guide Includes an Integral Wedge Design
- Patented Design Provides for Maximum Fluid Control
- Engineered and built to order

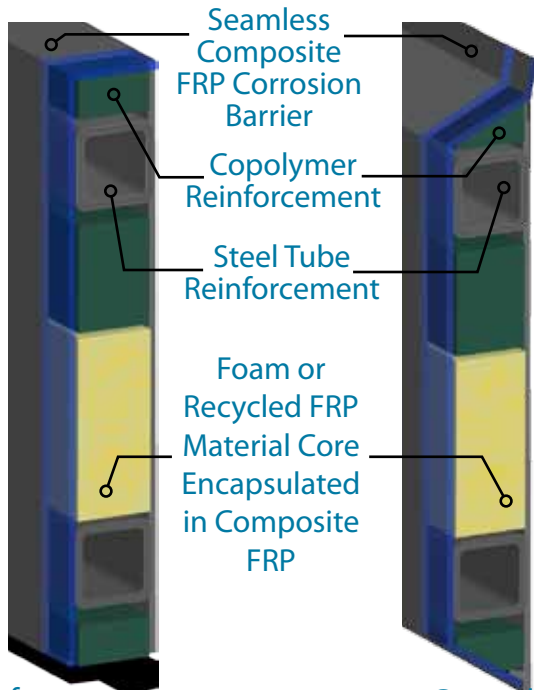
## HEAVY DUTY TITSEAL®



- Designed, Engineered, and Built to Exceed AWWA C-563
- Designed for Heads Up to 100 Feet
- High Corrosion Resistance, Low Maintenance
- Cast-in Wall Thimbles are Not Required
- Seals Mounted on Gate Allow for Inspection and Replacement Without De-Watering
- Guide Includes a Top Closure Bar that Allows the Gate to Seal Around All Four Sides
- The Wedging Bar and Adjustable Wedging Bolts Allow the Leakage Rate to be Adjusted to the Lowest Possible Levels

## PLASTI-FAB GATE CONSTRUCTION

### Heavy Duty Gates



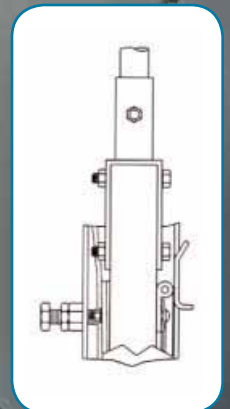
### Light Duty Gates

Generally for Head Pressures Up to 10 Feet

Generally for Head Pressures Up to 100 Feet

### HDTS Gates

Plasti-Fab Gate Seals Are Easily Adjusted and Replaced



Plasti-Fab Steel Core Gates are completely encapsulated with a corrosion-resistant composite barrier.

# FLAP, STOP, SLIDE, & WEIR GATES

For over forty years Plasti-Fab has been supplying composite fiberglass reinforced plastic (FRP) fluid control gates for highly corrosive fluid environments. All Plasti-Fab Gates totally encapsulate the internal reinforcing structure. All composite gates offer high corrosion resistance, low maintenance, and no need for wall thimbles due their reduced weight characteristics. In addition, they are non-conductive, non-magnetic, and non-binding. Composite FRP material is pound-for-pound much stronger than steel. Plasti-Fab composite equipment is warranted for 25 years against failure due to corrosion.

## FLAP GATES



The Plasti-Fab composite Flap Gates provide low leakage, low maintenance, and low head loss. They are designed and

engineered for maximum effectiveness in corrosive environments. Available in rounded, square, or rectangular styles. Molded reinforced composite flap gates are lightweight.

**Standard rounded sizes from 4" to 24" available for purchase at [www.flapgates.com](http://www.flapgates.com)**

## STOP GATES



**Various handle configurations available.**

**Non-binding**

**High-strength sandwich construction.**

Most gates utilize a sandwich construction with a closed-cell polyisocyanurate foam core for high strength and corrosion resistance.

All Plasti-Fab Fluid Control Gates are built using our Managed Emission Process -- the most environmentally friendly technology available. For more info go to:

<http://www.plasti-fab.com/managed-emission-process>



## SLIDE GATES



Lifting options include manually operated hand wheels with various geared ratio options and electronic motor operators for remote fluid control.

Internal stainless steel mounting plate welded to core and completely encapsulated.

Internally reinforced to withstand maximum operating head.

**Flush bottom seals**

## WEIR GATES



**Downward opening Weir Gate**

The Plasti-Fab composite FRP Weir Gates are ideal for controlling upstream channel depth and regulating discharge rates. They are designed and engineered for maximum corrosion resistance in hostile environments. Plasti-Fab Weir Gates allow for consolidation of traditional Weir Plate and Slide Gate combinations at the basin entrance.

## THE PLASTI-FAB LEGACY

Plasti-Fab is a world class manufacturer of composites with over 40 years of experience designing, engineering, and building products for fluid control and management. Plasti-Fab products are fabricated from highly corrosion resistant composite fiberglass reinforced plastic (FRP). Recognized around the world as an experienced innovator and provider of quality composite solutions, Plasti-Fab has a wealth of experience and expertise in flow control products.

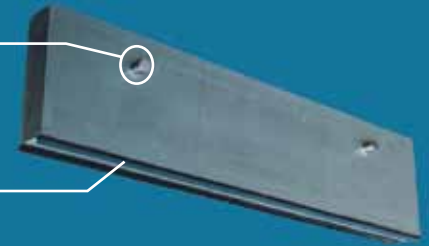
Visit us online at: [www.plasti-fab.com](http://www.plasti-fab.com)

# COMPOSITE FRP STOP LOGS

Plasti-Fab Stop Logs are fabricated using "green" vacuum infusion technology that allows the outer surface to be made in one piece. This means that there are no seams, cracks, or ridges from glued parts that can allow seepage to penetrate the interior support structure causing the log to fail.



1-1/2" Diameter  
Stainless Steel Lifting  
Pins Extend Through  
the Log



Dual Neoprene Seals

## Heavy Duty Stop Logs

- Maximum leakage of less than 0.3 GPM per wetted seal foot when installed in Plasti-Fab Guide Frames.
- Engineered for new or existing guide structures.
- Dual Neoprene seals on logs.
- Two-point seals on Guide Frames.
- Stop Log sets available with varying log heights.
- Theft concerns eliminated with no recycle market value.
- Available with auto latching lift beams and storage racks.

## 25 Year Guarantee Against Failure From Corrosion.

Unlike water control products made of wood or metal, composite FRP Stop Logs will not decay, putrefy, crumble, rust, flake, or corrode. FRP logs virtually last forever providing peace of mind to operators, engineers, and owners who are responsible for selecting the right equipment.

REFERENCE GUIDE

Type of Gate	Common Size Range	Normal Head		Available as Down-Opening Weir Gate	Max. Expected Leakage Rate Gallons per min.*		Guide Frame Materials
		Seating	Unseating		Seating Head	Unseating Head	
Heavy Duty Tite Seal Slide Gates	12" x 12" to 12' x 12'	30' to 60' varies with size	20' to 40' varies with size	Yes	0.1	0.1	FRP & Stainless Steel
Wedging Tite Seal Slide Gates	12" x 12" to 6' x 6'	To Top of Gate	To Top of Gate	No	0.1	0.1	FRP & Stainless Steel
FRP Slide Gates	12" x 12" to 6' x 6'	To Top of Gate	To Top of Gate**	Yes	0.1	0.2	FRP & Stainless Steel
FRP Stop Gates with seals	12" x 12" to 6' x 6'	To Top of Gate	To Top of Gate	NA	0.3	0.5	FRP & Stainless Steel
Rigid Round Flap Gates	4" to 8'	20' - 30'	NA	NA	0.1	NA	NA
Rectangular Flap Gates	12" to 8'	20' - 30'	NA	NA	0.1	NA	NA
Flexible Circular Flap Gates	4" to 8'	20' - 30'	NA	NA	0.1	NA	NA
FRP Stop Logs	12" to 20'	Top of Gate	Top of Gate	NA	0.3	0.3	FRP & Stainless Steel

\*Per wetted foot of seal length

\*\* 3-4 above Gate height with closure bar.



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<http://www.plasti-fab.com/fiberglass-manufacturing-representatives/>