

# SSF-43 RECTANGULAR DRAINAGE FLAP GATES

FABRICATED STAINLESS STEEL

## KEY FEATURES

- Fabricated Stainless Steel
- Automatic Operation
- Standard and Custom Sizes Available
- Seating Heads up to 30 feet
- Type 304, 304L, 316 and 316L Stainless Available
- Neoprene Seat for Minimum Leakage
- Flange or Thimble Mounting Available

## GENERAL SPECIFICATIONS

*(See Website for Latest Detailed Written Specifications)*

### GENERAL:

The flap gate shall be designed to allow free outflow and prevent backflow for maximum seating heads of up to 30 feet. Gates shall be Waterman model SSF-43 or equal.

### CONSTRUCTION:

The frame shall be fabricated stainless steel of flatback design, with seating surface inclined from vertical at a minimum of 2.5-degrees to insure positive closure. For flatback gates mounted to flanges or thimbles, the gate flange shall be machined and drilled to match.

The cover shall be fabricated stainless steel with reinforcing ribs, designed to withstand the seating head specified. A lifting eye shall be provided for manual lifting of the cover.

Seating surfaces for frame and cover shall be neoprene "J seal" with stainless steel retainer.

The gate shall be provided with a double-pivoted hinge linkage so designed to permit complete seating, full opening and with stops or other arrangement to keep the cover from rotating sufficiently to become wedged in the open position. The hinge links shall be bronze brushed stainless steel.

All assembly hardware shall be stainless steel.

### MATERIALS AVAILABLE:

**Frame and Cover:** Stainless Steel per ASTM A-276, ASTM A-240, type 304, type 304L, type 316, type 316L

**Pivot Lug:** Stainless Steel per ASTM A-276, ASTM A-240, type 304, type 304L, type 316, type 316L

**Hinge Link:** Stainless Steel per ASTM A-276, ASTM A-240, type 304, type 304L, type 316, type 316L

**Bushings and Washers:** Commercial Bronze or Stainless Steel

**Assembly Hardware and Pins:** Stainless Steel per ASTM A-276, ASTM F-593, type 304, type 316

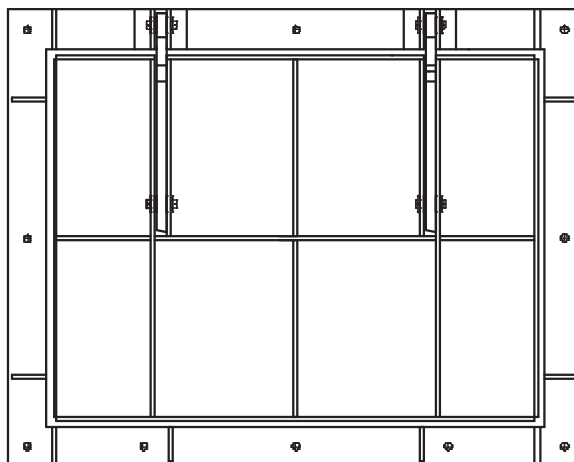
### RECOMMENDED MAXIMUM SEATING HEADS:

**8" to 30" size:** 30 feet of head

**36" to 42" size:** 20 feet of head

**48" to 60" size:** 15 feet of head

**66" to 84" size:** 10 feet of head



**MPI – MCWANE PLANT & INDUSTRIAL**

1201 Vanderbilt Road Birmingham, AL 35234 [www.mcwanepi.com](http://www.mcwanepi.com) [sales@mcwanepi.com](mailto:sales@mcwanepi.com)

Kennedy Valve | Tyler Union | McWane Ductile | Waterman