

# BUTTERFLY GATES

# SERIES: A-911 / 931

## Application

Butterfly gates are normally used for Sewage treatment plants, water filtration plants, power plants, industrial water control jobs applications, etc.

Specially designed vane reduces turbulence and strengthens assembly. They are sturdily designed for long life and low maintenance in difficult conditions, but also incorporate field-adjustment features.

Rodney Hunt offers size range up to 120" x 240" square or rectangular with the head range as per the client requirement in the series mentioned below:

- SERIES: A-911** Stainless Steel Butterfly Gates
- A-915** Structural Steel Butterfly Gates

## Construction

The main components are disc, body, sealing arrangement and operating mechanism.

The disc rotates on its own vertical axis to regulate or shutoff the flow. Disc seals are offset from operating shaft to provide a full uninterrupted seating surface. The disc is designed to reduce turbulence during operation and strengthen the assembly.

The body or frame is the part of the assembly which contains sealing arrangement, disc resting post and mounting location for the operator. Seals are mechanically retained by means of corrosion resistant retainer and stainless steel screws. The body is designed to be field fastened to a wall thimble, angle supports anchored to the concrete channel, or direct grouted into the concrete channel.

Butterfly gates achieve bubble-tight shutoff with stainless steel seal seats to resilient seals. Depending on application, butterfly gates can be provided with three side and four side sealing.

Seals are mechanically retained by means of a corrosion resistant retainer and stainless-steel screws. Vane mounting post is equipped with self-lubricating bushings for trouble-free maintenance and longer service life.

Although the gate assemblies are furnished factory set, they can be field adjusted without any special tools to achieve desired seal compression and leakage requirement.

## Actuation

Rodney Hunt offers Manual and Power operation for Butterfly gates.

**Manual Actuation:** This operator is equipped with handwheel, crank, or nut input along with adjustable travel stops and a self-Locking feature. Self-locking

**Electric Actuation:** Available for open-close or throttling service, complete with limit switches and torque switch as required. Manual override is standard. Also available for modulating service with position feedback for continuously adjustable automatic controls. Complete accessories are available and include indicator lights, integral reversing starters, pushbuttons, potentiometers, space heaters, sensors, transmitters, transducers, and other control features.

