

Background

Going to the aquarium to see fish swimming around in a cloudy tank is not ideal. A large northwest aquarium wanted to avoid this problem, but had difficulty in choosing a valve to use in their renovation and expansion project. The expansion called for the addition of a 120,000 gallon sea life viewing exhibit and large wave tank.



Problem

The exhibits feature salt water fish, sea animals and plants native to the area. The vulnerability of the marine life to changes in water quality puts great emphasis on a dependable life support system. Even slight variations in the exhibit's water quality could have devastating effects on the environment in which the animals lives.

Solution

Asahi's butterfly valves were chosen for the project. With hundreds of thousands of valves installed in aquarium life support systems around the world, this aquarium chose Asahi's actuated and gear operated butterfly valves because they knew Asahi's valves

provide high performance and extended reliability. The aquarium discovered Asahi's valves offered the superior corrosion resistance that their new life support system required.

The Type-57P butterfly valve's thermoplastic corrosion resistant features are ideally suited to the seawater environment of the life support system. Only the solid and abrasion-resistant plastic disc and elastomer liner comes in contact with the exhibit's water, ensuring a long valve operating life. The manually-operated valves are used as isolation valves to manage specific areas within the life support system.

For easy use and operation, each valve is equipped with Plasgear[™], the first thermoplastic gear operator in the industry. The all-

plastic enclosure provides a higher degree of corrosion resistance over typical aluminum or cast iron enclosed gear boxes. Asahi's proven dry-stem technology and thermoplastic corrosion resistant components have produced long lasting results and confidence in Asahi valves throughout the aquatic industry and that's no "fish story."

Other Asahi Offerings

Visit our website at www.asahi-america.com to view other thermoplastic valve and piping system options.

Type-57P Butterfly Valve

Standard Features

- 316 stainless steel stem with full disc engagement
- Full seat design eliminates gaskets
- Seat over tightening prevention
- Lockout-Tagout - lever handle molded padlock provision and two-molded body tag holes
- Highly visible 0° full closed to 90° full open position indicator or Plasgear™ operator
- ISO 5211 F07 - F14 bolt circle on top flange
- Polypropylene stem retainer
- Spherical disc design

Sizes

- Lever: 1 1/2" - 8"
- Gear: 1 1/2" - 14"

Models

- Wafer style
- Lug

Bodies & Discs

- PVC
- CPVC
- PP
- PVDF



Seats/ Seals/Stems

- EPDM
- FKM
- Nitrile

Operators

- Lever
- Plasgear™

Asahi Advantage

- Low-cost maintenance and installation
- Leak-free performance
- Corrosion resistance
- Start-to-finish project assistance

Type-57P Thermoplastic Butterfly Valves

Type-57P butterfly valves are quarter turn valves with equal percentage type flow characteristics. They provide moderate flow control and, therefore, can be used for both on/off and modulating service. They have good tolerance to suspended solids, but are not recommended for use with slurries or debris. The Type-57P butterfly valve is well suited for a wide variety of fluid flow applications.



**Another
Corrosion
Problem
Solved.™**