



## Alfa Laval AS-H Coplastix

Slide, stop gates and logs, and flap valves for controlling water



### Introduction

The Alfa Laval AS-H Coplastix range was designed to exceed all other gate types in longevity without the need for regular maintenance or exercising. Coplastix materials are lighter, easier to install and extremely durable.

### Application

Alfa Laval AS-H Coplastix consists of a complete line of custom flow control devices for waste, potable and storm water, as well as hydro, industrial and sea water. Products include slide gates, stop gates and logs and flap valves.

Transform corroded, inoperable gates into smooth operating, corrosion-resistant gates that help put your fluid control system back in operating condition.

### Benefits

- Gate exercising not required
- Ten times less friction than metal-to-metal gates
- Half leakage rates of other conventional gates
- Ten year warranty

### Features

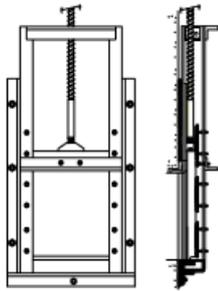
- Corrosion-resistant
- Disc and seal design prevents gate seizure
- Flat face design of disc prevents build up of debris and rags
- Seal life exceeds 30 years

## Design

### Slide gate/weir gate

Alfa Laval AS-H Coplastix slide and weir gates are built with internal steel matrices that lend strength to the doors. The matrices are then encapsulated by a special formulated composite called "Coplastix". All contact faces are made from composite and ultra-high-molecular-weight polyethylene materials for minimum friction, self-lubrication and a lighter gate. The lighter gate provides easier manual operation and requires less power when actuators are employed. Slide gates exceed the AWWA C563 standard.

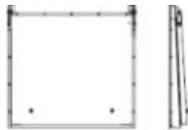
Frame mounting options include wall, channel or flange mount. Gates are opened and closed with the aid of a stem that connects the gate operator to the gate. Gates are available in configurations from 8" x 8" (203 mm x 203 mm) up to 144" x 144" (3,658 mm x 3,658 mm)



### Flap valves

Flap valves can be used in any application calling for discharge where the prevention of reverse flow back into the line is necessary.

- Circular flap valves from 4" – 24" (102 mm – 610 mm) are constructed solely of Coplastix or rubber materials and may be either wall-mounted or pipe-mounted.
- Rectangular flap valves consist of a Coplastix or rubber door and select steel frame materials
- Flexible flap valves employ a specially developed, externally supported rubber compound for the door. Rigid and rubber flap valves are available in many sizes from 24" – 144" (610 mm – 3,658 mm)



### Watertight stop logs

Watertight stop logs are used in situations where temporary or infrequent isolation of a channel is necessary or to control water levels. The stop logs can be equipped with either eyebolts or stainless steel pegs for easy, accessible handling

Frame mounting options include wall or channel mount. Stop logs are manufactured from the same practice as slide gates and contact faces and are available in configurations up to 192" (4,977 mm) wide.



### Watertight stop gates

Watertight hand stops/stop gates are designed for hand operated flow control. Gate sizes ranging from 8" – 24" (203 mm – 610 mm) widths are made completely of Coplastix material. Gates 24" (610 mm) in width are manufactured from the same practice as slide gates and contact faces.



### Operating equipment and materials

A variety of operating equipment is available, including handwheels, square caps, gearboxes, electric actuators, and pneumatic or hydraulic cylinders.

Frame types for the Coplastix system are available in a range of materials including carbon steel epoxy coated, 304, and 316 stainless steel. Other materials and coatings are available where project specific coatings or materials are required. All Coplastix system hardware is 316 stainless steel.

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