DERWENT FLOW CONTROL

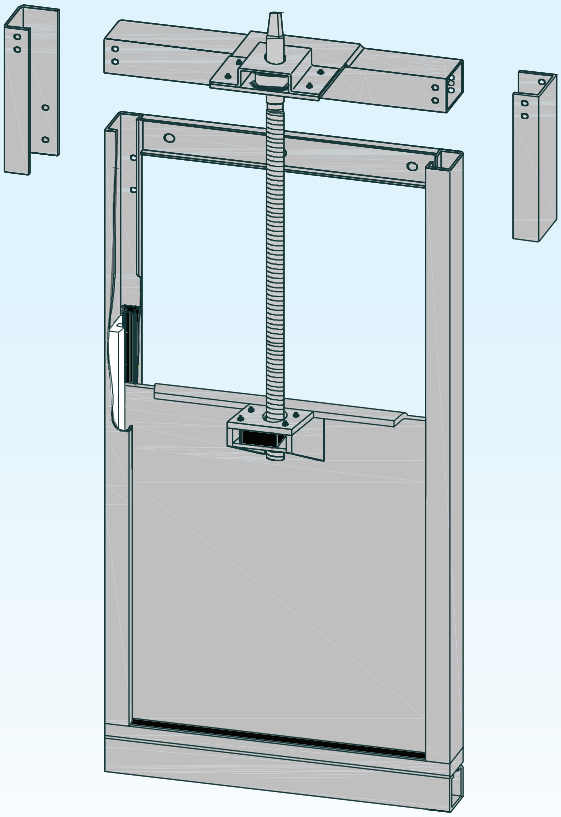
AFC

F9500 SERIES PENSTOCK

THREE SIDES SEALING TYPE, CHANNEL MOUNTING

FEATURES

- 3 Sides Sealing
- Flush Invert
- Isolation and regulation
- New Type Full Frame Easy Installation & Door Rail
- Approved Sealing Principle
- Polygonal Cross Section
- Easy Installation



WHY YOU CHOOSE AFC CHANNEL PENSTOCK?

- Long service life
- Flexible products to suit your needs
- Fast Delivery
- Strong Technical support
- All actuators and accessories available

TECHNICAL DATA

Sizes	F9000 Series penstock can be made to whatever size from 200X200mm to 3000X3000mm and also can have other dimension. Such as 600X1300, 800X2200...
Materials	
Frame, Door and Spindle:	SS304, SS304L, SS316, SS316L
Door Rail	POM
Seal Materials	NBR, EPDM
Spindle Nuts	Aluminum Bronze
Headstock	CS With Epoxy Coating

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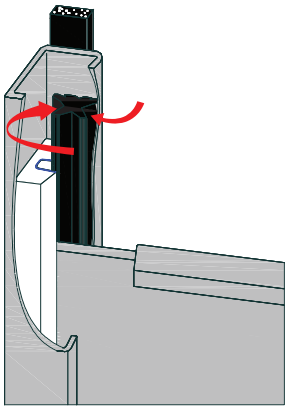
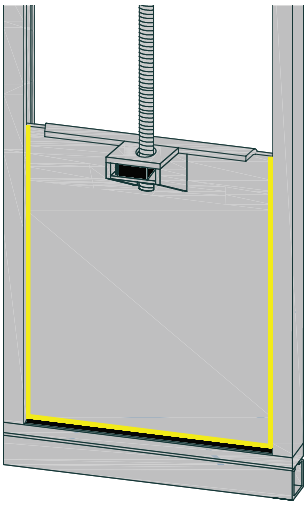
DESIGN FEATURES

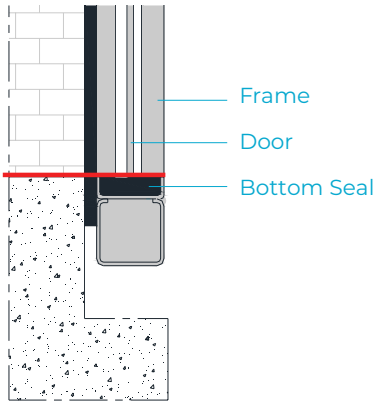




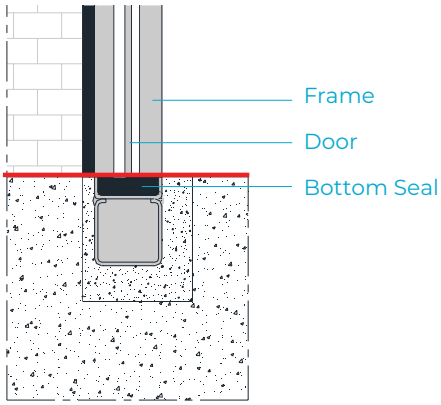
3 SIDES SEALING, ON/OFF SEATING

1 If water pressure is applied from the upstream side, the double lip seals by means of the out lip.

2 If water pressure is applied from the down stream side, the double lip seals by means of inner lip

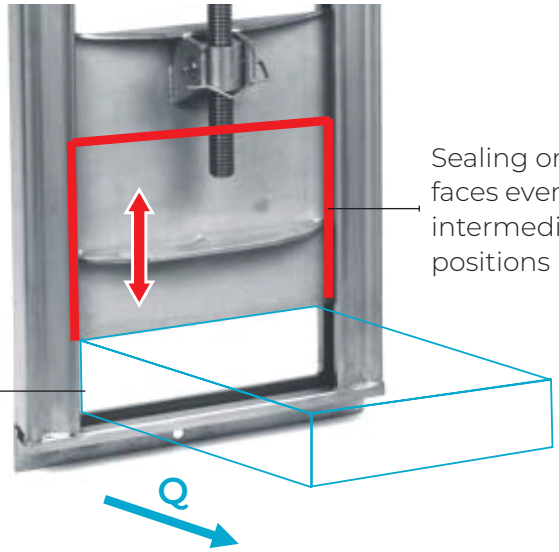


Anchor Bolting



Grouting

FLUSH INVERT



APPLICATION AS ISOLATION AND REGULATION

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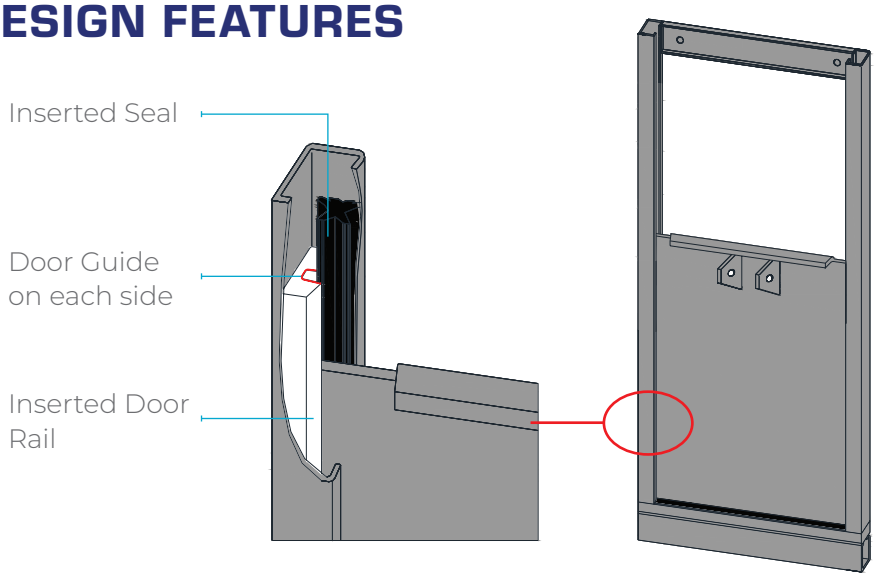
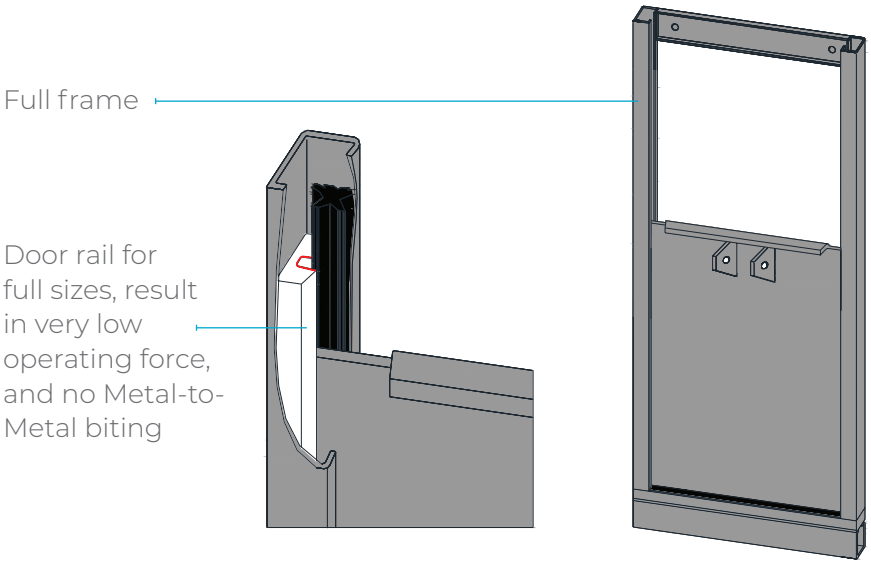
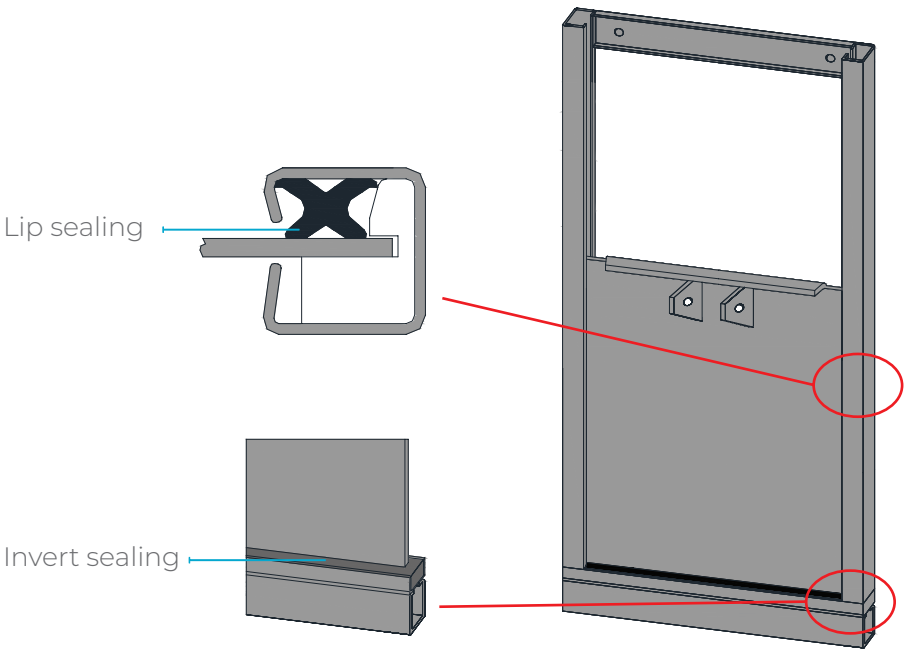
DESIGN FEATURES



NEW TYPE FRAME PROFILE



FULL FRAME AND DOOR RAIL



APPROVED SEALING PRINCIPLE

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DESIGN FEATURES

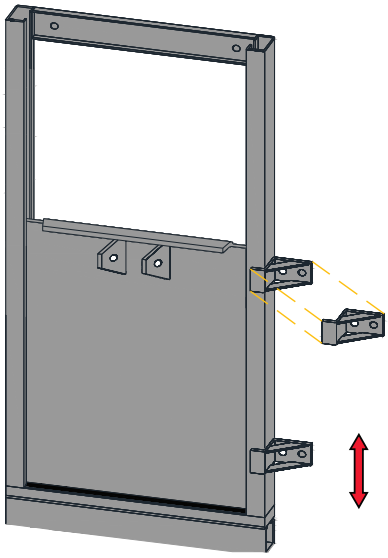
CROSS SECTION

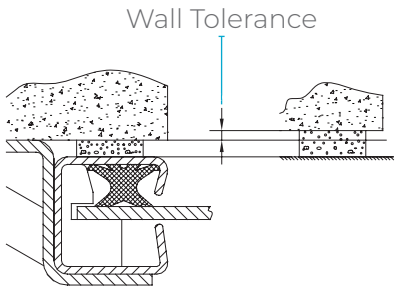
Square

Vertical Rectangular

Horizontal Rectangular

MOUNTING TO DIFFERENT POLYGONAL CROSS SECTION



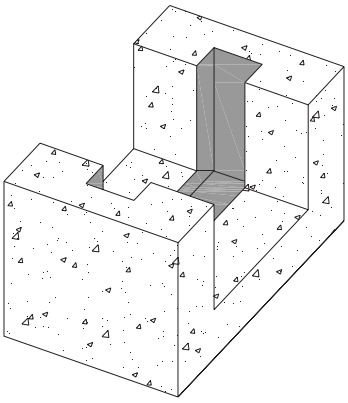


EASY INSTALLATION

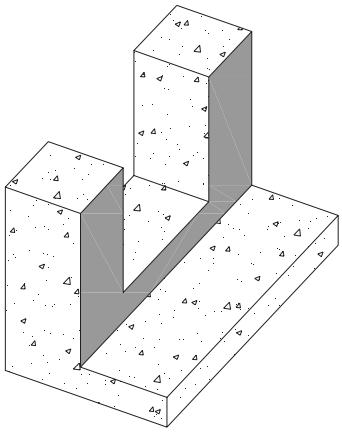
Sealing by cement mortar is not necessary

Anchor bolting by means of variable fastening claws. The positions of the clamping claws on the frame can be adapted to the actual conditions of the wall

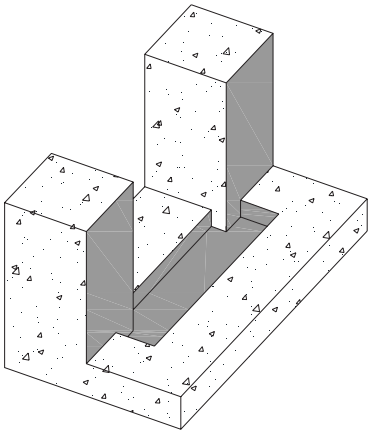
MOUNTING TYPE



Design For Grouting Slots in wall



Design For Anchor Bolting Wall Mounting



Design For Anchor Bolting With Sill For Grouting Wall Mounting

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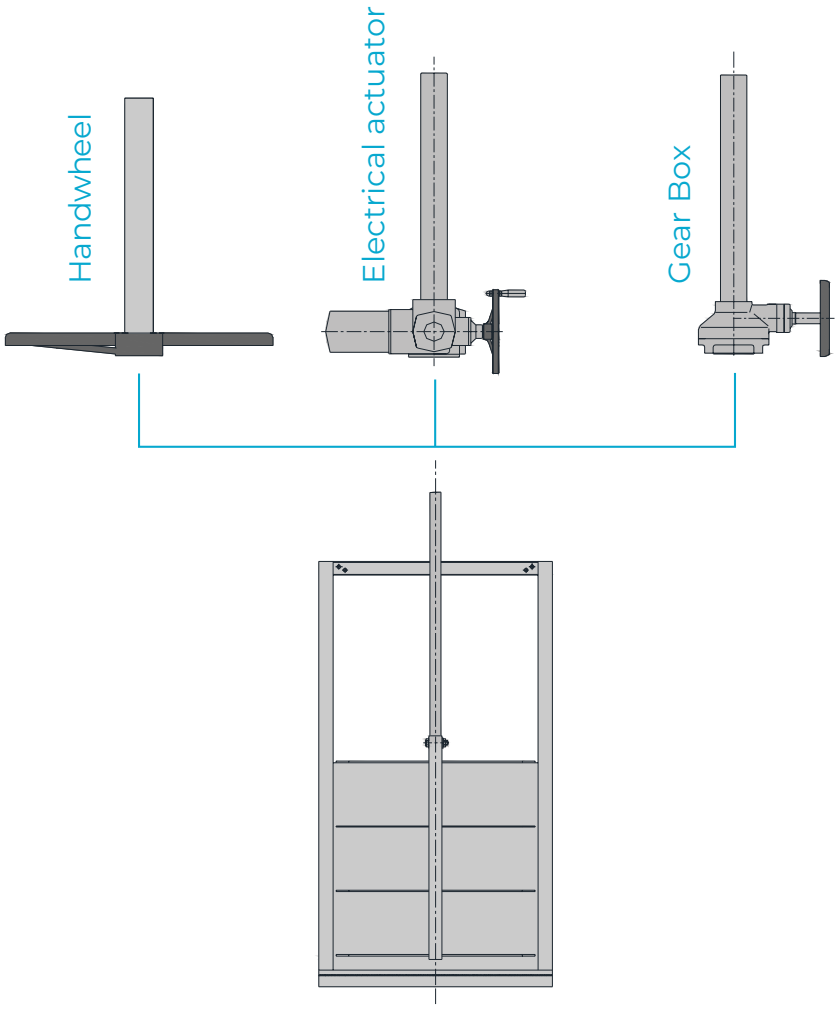
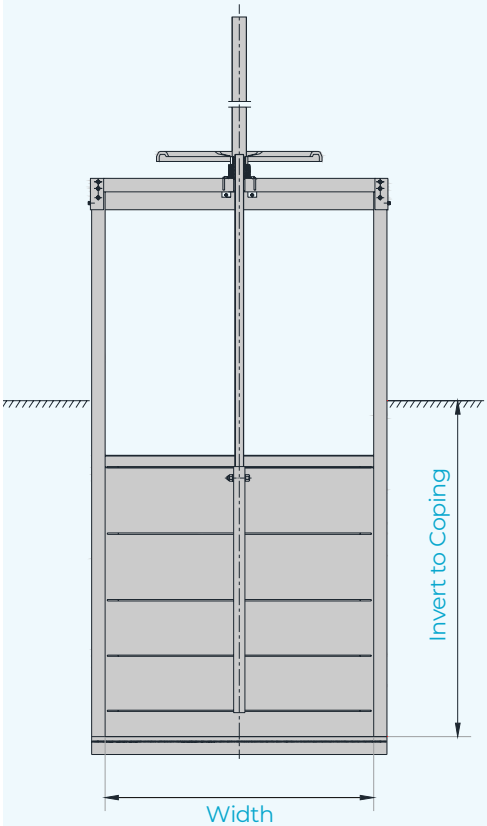
OPERATING TYPE

- Handwheel
- Electrical Actuator
- Gear Box





HOW TO ORDER

- **Confirm the Penstock Type:** Three Sides Sealing Type
- **Penstock Size:** 600X600 or 1000X1200...
- **Operating Type:** Electrical Actuator, Headstock with Handwheel, Gear Box...
- **Materials-Body/Door/Spindle:** SS304/ SS304LSS316/SS316L
  Seal Material: NBR or EPDM
- Special Request if any

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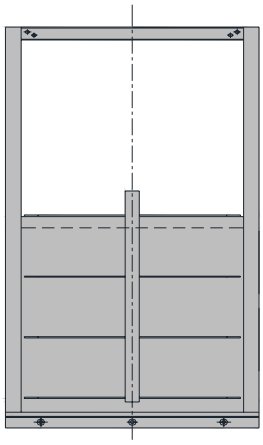
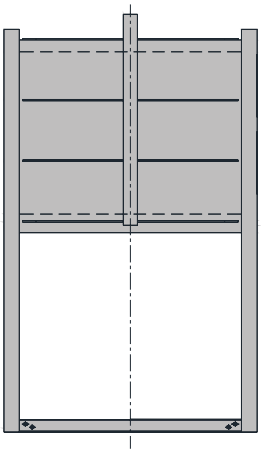
EXTENDED PRODUCTS LINE



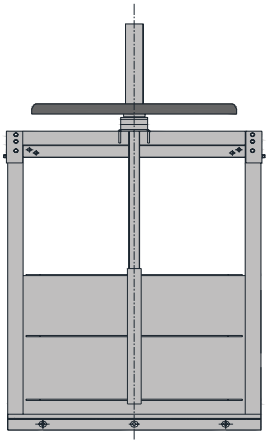
F9000

Square Penstock Four sides sealing type, max. 4m / 6m on/off seataing W.C.



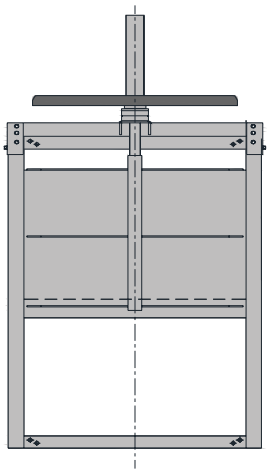
F9010

Weir Penstock Four sides sealing type, max. 4m on/off seataing W.C. upward closing.



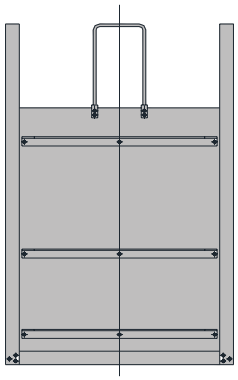
F9500

Channel Penstock Three sides sealing type, on/off seataing for channel installation.

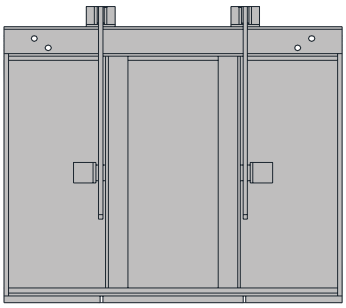


F9510

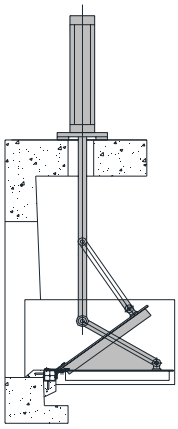
Weir Channel Gate, three sides sealing, on/off seating, upward closing.



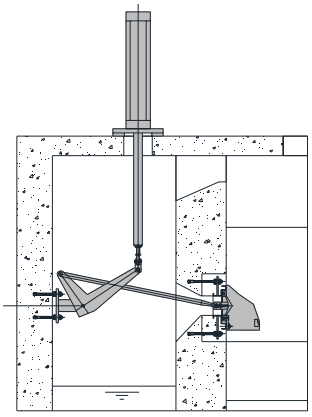
Handstops, three sides sealing type, on/off seating, for open channel installation.



Flap Valves, four sides sealing type, max. 4m / 6m on seating W.C.



Tilting Weir, three sides sealing type, for open channel installation.



Tilting Flushing Valve, four sides sealing type, on seating, single tongue / double tongue.

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