

## FLUSH INVERT PENSTOCK, 5MWC, WALL MOUNTED, TYPE ASG-FI



The Freedrain penstocks are used in surface water, sewerage systems, (sewerage) water treatment systems etc. to (temporarily) block or allow to pass water

They are manufactured from high quality HDPE and they will be reinforced with Stainless Steel 316L profiles. HDPE is lightweight and has a high chemical resistance. Standard, the penstocks are fitted with a SS316L non-rising spindle

**Type ASG-FI will standard be a "wall mounted" version. To ensure watertightness the wall must be flat.**

The penstock contains a vertically moving door which can block the water supply on both sides. Tightening shall be effected by means of a special EPDM flat/lip shaped rubber profile to withstand 5 meter water column pressure on both sides, without any visible deformation. The invert of the penstock will be flush with the channel bottom. To prevent any accumulation of dirt. The below part of the penstock shall be grouted into the floor and will be equipped with a polyurethan sealing, which will be effective when the door is closed.



Materials used:

- HDPE
- SS316L
- EPDM sealing

Advantages of the Freedrain penstocks:

- Design life of 50 years.
- First class materials used.
- Less maintenance.
- Light weight and easy handling.
- Easy to adjust the design for custom made requirements.
- High UV protection.
- Easy replaceable Lip seal.

Other options:

- Rising spindle situation.
- Several manual and electrical operations.
- Heavy duty penstocks with higher water pressure .
- Square, rectangular or egg-shaped openings.
- Weir penstock with downwards opening

Mounting situations:



-Penstock frames grouted in the channel walls

-Channel mount by means of a support frame.

**SKU:** ASGFI | **Category:** [Penstocks](#) | **Tags:** [Flood protection](#), [Flush Invert Penstock](#), [HDPE](#), [Light Weight](#), [Penstock](#), [Stainless steel AUMA](#)

## VARIATIONS

Image	SKU	Price	Description	Diameter Ø
	ASGFI			100
	ASGFI			125
	ASGFI			150
	ASGFI			200







Image	SKU	Price	Description	Diameter Ø
	ASGFI			250
	ASGFI			300
	ASGFI			400
	ASGFI			500
	ASGFI			600
	ASGFI			700

Image	SKU	Price	Description	Diameter Ø
	ASGFI			800
	ASGFI			900
	ASGFI			1000
	ASGFI			1100
	ASGFI			1200

## PRODUCT DESCRIPTION

Wall mounted, Flush Invert Penstock, type ASG-FI



Type	ASG-FI
Material Bridge	Stainless steel 316L 1.4404
Material Guides	Stainless steel 316L 1.4404
Material Frame Plate	HDPE
Material Reinforcement Profiles	Stainless steel 316L 1.4404
Material Spindle	Stainless steel 316L 1.4404
Material Spindle Nut	Bronze
Material Sealing Door / Frame Plate	Neoprene
Material Sealing Penstock / Concrete	EPDM
Material Operation Point	Stainless steel 316L 1.4404
Material Spindle Stop	Stainless steel 316L 1.4404
Material Bare Shaft	POM



**ADDITIONAL INFORMATION**

**Diameter Ø** 100, 125, 150, 200, 250, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1400, 1500