



ACE penstocks are available in various forms and are used in surface, sewer and process water systems. The KSA-MD is a proven design which has now become ACE's most popular penstock type.

The KSA-MD is a tried and tested penstock type, as it has been a long-standing product supplied by ACE. The range has been extended to include a lighter-duty penstock (KSA-LD) and a heavier duty penstock (KSA-HD), however the KSA-MD continues to be a very popular product for the majority of applications.

The penstock consists of a vertically sliding door that closes a round opening, moving within a stainless steel 316L frame with HDPE guides. The seal between the door and frame is achieved through an EPDM lip seal positioned in the moving plate that retains up to 5MwC of water pressure from both sides.

The penstock is supplied with a non-rising spindle as standard, however on request the penstock can also be supplied with a rising spindle. The wall mounted type is the most popular, we can also supply these with pipe and flange connections. The KSA-MD is made as a standard for a circular pipe, on request it can be manufactured to be suitable for a square or rectangular culvert.



Technical Specification:

Sizes:	Ø 100 mm to Ø 800 mm
Operating pressure:	5MwC on/off seating as standard
Operation point:	KWT "half moon" connector
Movement mechanism:	Non-rising spindle

Higher pressures and larger dimensions on request.

Materials

Moving plate:	HDPE with SS316L stiffeners
Spindle:	SS316
Spindle block:	POM
Bearing ring:	OLG
Back plate:	HDPE
Seals:	EPDM
Mounting material:	SS316

Easy to install- no grouting required
Light weight strong HDPE construction
Virtually maintenance free
UV & Impact Resistant
Standard sizes available from stock for quick dispatch
Various mounting methods available, wall/ pipe/flange mounted.
Can be customised on request for non-standard applications