

PENSTOCKS

KWT® Medium pressure penstock type: KSA-MD 801 - 1500

Application

KKWT penstocks are available in various forms and are used in surface, sewer and process water systems.

Operation

The KSA-MD is a tried and tested penstock type, as it has been a long-standing product supplied by KWT. The range has been recently 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. Although the wall mounted type is the most popular, we can also supply these with pipe and flange connections.

Benefits

Circular, square, rectangular or ellipse openings available

Virtually no maintenance.

Easy to install.

Circular models available from stock.

Various mounting methods available, wall/pipe/flange mounted.



Specifications

Passage:	Ø 801mm t/m Ø 1500 mm
Operating pressure:	5 MwC on/off seating as standard
Operation method:	Manual or through actuator
Operation point:	square 25 mm
Movement mechanism:	Non rising spindle
Higher pressures and larger dimensions on request	

Materials

Moving plate:	HDPE with SS316L stiffeners
Spindle:	SS 316
Spindle block:	POM
Bearing ring:	OLG
Back plate:	HDPE
Seals:	EPDM
Mounting material:	SS316
Other materials on request.	

**Waterbeheersing**

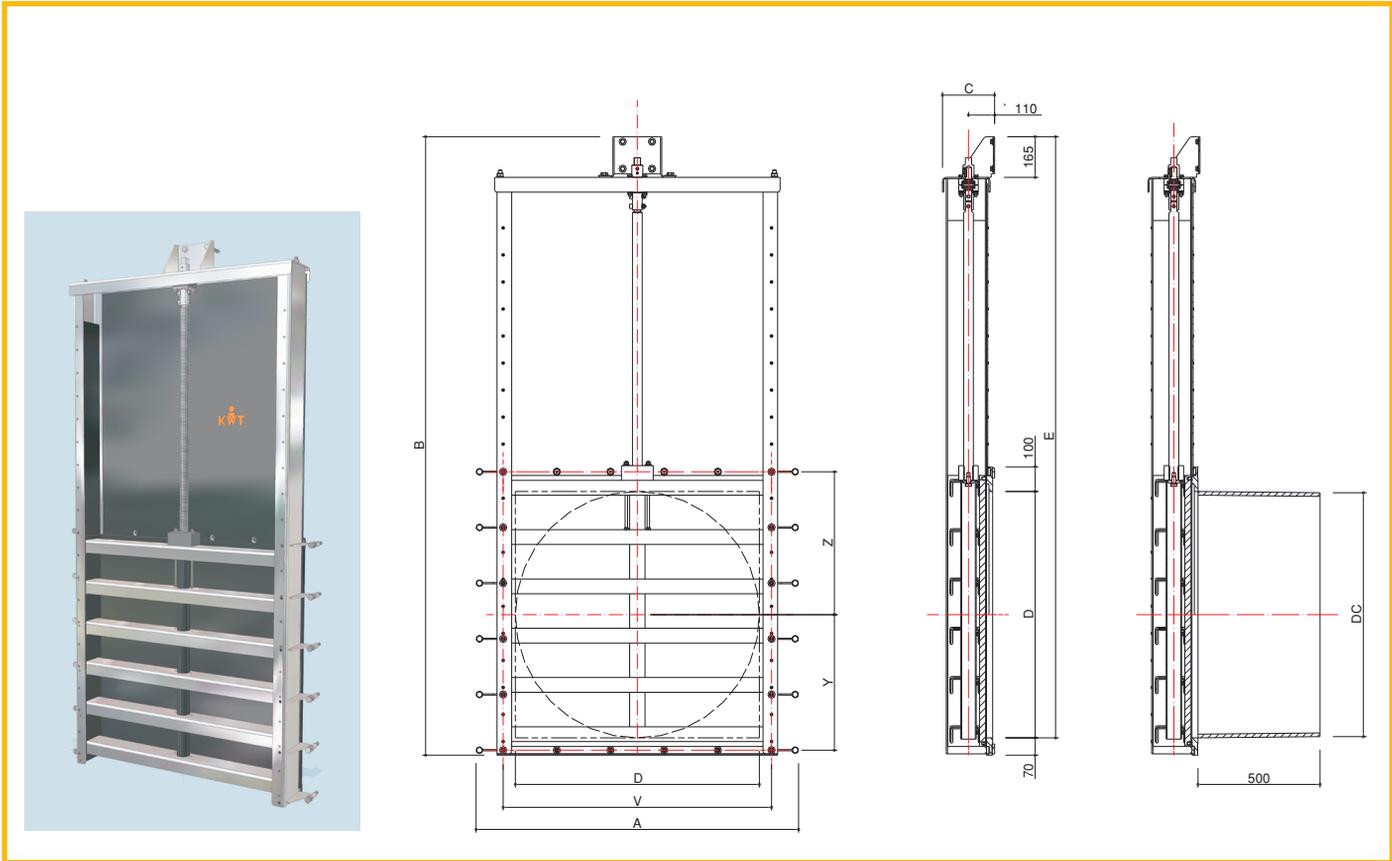
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NW mm.	O D mm.	BS DC	A mm.	B mm.	C mm.	E mm.	V mm.	Y mm.	Z		 Nm.	 Kg
	801/1500	±	D + 330	(2XD) + 510		(2XD) + 440	D + 100	(0,5D) + 50	(0,5D) + 80	D + 35 / 6		±
900	900	890	1230	2310	185	2240	1000	500	530	155	90	183
1000	1000	990	1330	2510	195	2440	1100	550	580	172	110	210
1250	1250	1240	1580	3010	205	2940	1350	675	705	214	170	252
1500	1500		1830	3510	240	3440	1600	800	830	255	240	332

Omschrijving voor bestekken.

Penstock type KSA-MD-801 t/m 1500

Manufactured by: KWT Waterbeheersing

Materials: HDPE, RVS 316, EPDM en POM

Standard culvert: : Ø 801 mm t/m Ø 1500 mm

Working pressure: 5 MwC on/off seating

The penstock is provided with a non-rising spindle as standard. It has an OLG spindle bearing.

It has an HDPE back plate. It has an HDPE moving plate provided with RVS316L stiffening with a POM spindle block.

The mounting material and the spindle are made of SS316. The seal between the moving and back plate consists of an EPDM lip seal.

