

# PENSTOCKS

Medium pressure penstock Type: KSA-MD 801-1500 mm

## Applications

KSA penstocks are very varied and are used in surface, sewage and process water.

## Operation

As well as the low pressure penstock type: KSA-LD (3MwC) and the high pressure penstock type: KSA-HD (10 MwC) also has a penstock in its programme that is a well known and popular penstock for years: the KSA-MD (5 MwC). on/off seating from both sides of the plate. On this page we would like to inform you about this KSA-MD.

Penstocks are available in various types, comprising of a plate which moves up and down in runners, to control water flow from either direction. When closed, the penstocks are designed to seal the pipe. The penstocks are manufactured in HDPE (High Density Polyethylene) and Stainless Steel 316. This penstock has a non rising spindle( standard), but also a rising spindle is possible.

Due to the materials used, the operation torques for the penstocks are very low. The penstocks can be operated using handwheels, T-cranks and actuators.

## Benefits

Standard penstocks are available from stock. Penstocks with a culvert in a different shape can be delivered in a short time

Almost maintenance free

Easy to install

Low operation torques

Very reliable

The penstocks are designed to be very easy to install, and are available in various types:

Wall mounted

Pipe mounted

Flange mounted



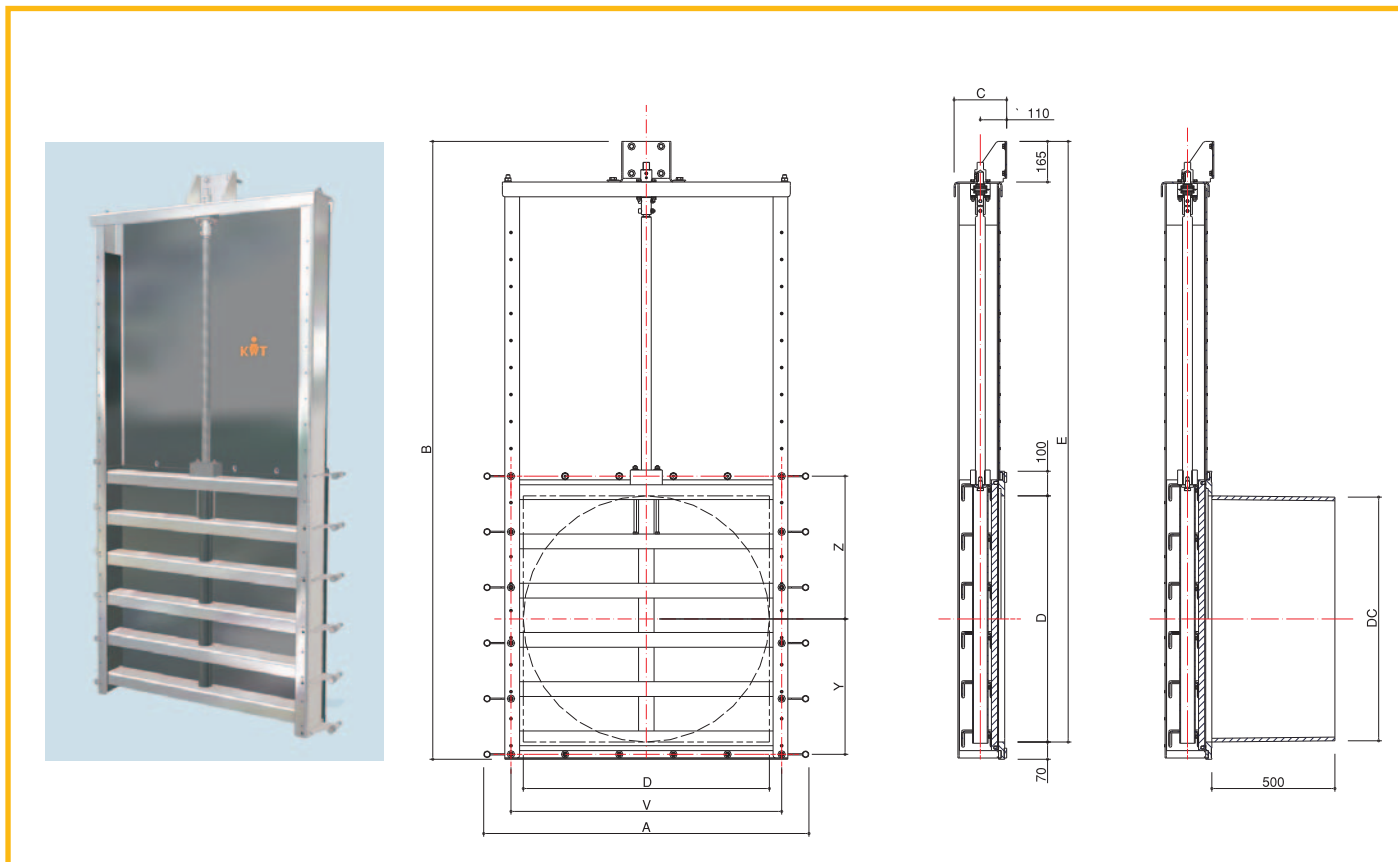
## Specifications




Opening	: Ø 801mm to Ø 1500 mm
Pressure rating	: max. 5 MwC (on/off seating)
Operation method	: manual or through an actuator
Operation point	: connection ("half moon")
Movement mechanism:	: Non-rising spindle
Higher pressures and special measurements delivered on request	

## Materials

Plate	: HDPE with AISI 316L Stiffeners
Spindle	: AISI, 316
Spindle Block	: POM
Bearing	: OLG
Backplate	: HDPE
Sealing	: EPDM
Mounting Material	: AISI, 316
Other materials on request	

## Medium pressure penstock type: KSA-MD 801-1500 mm



NW mm.	O D mm.	BS DC	A mm.	B mm.	C mm.	E mm.	V mm.	Y mm.	Z		 Nm.	 Kg
	<b>801/1500</b>	±	<b>D + 330</b>	<b>(2XD) + 510</b>		<b>(2XD) + 440</b>	<b>D + 100</b>	<b>(0,5D) + 50</b>	<b>(0,5D) + 80</b>	<b>D + 35 / 6</b>		±
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

### Description for tenders

Medium pressure penstock type KSA-MD 801-1500 mm

**Materials:** HDPE, AISI,316 , EPDM and POM

**Opening:** Ø 801 mm to Ø 1500 mm

**Working pressure:** 5 MwC (On/off seating)

Penstock with a non rising spindle. Bearing OLG. Backplate HDPE. Plate HDPE with AISI 316L stiffeners. Spindle Block POM. Mounting materials and spindle AISI 316. Sealing between plate- and backplate EPDM.



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