KWT

Wentelploeg 42
8256 SN   Biddinghuizen
NEDERLAND
info@kwt.nl
Tel: (31) 0321 33 55 66

**Installation sheet
Penstock**

Type: KSA-MD-O
ID Ø801 to Ø1500

Mounting supplies

A	A drill adaptor(s)
B	A tube copper grease
C	A white pencil
D	A special drill can
E	EPDM glue
F	EPDM sealing strip
G	Fix accessories

Chemical anchor capsules and turn moments

Type	Bore hole Ø mm	Deep mm	max. Nm
M 8	10	80	10
M 10	12	90	20
M 12	14	110	40
M 16	18	125	80

Specified cure end temperature time in the bore hole

Temp. °C	Mines	Hours
20 tot >	10	
10 tot 20	20	
0 tot 10		1
- 5 tot 0		5

1 **Check : The concrete for firmness, flatness and level. Max. tolerance 2 mm per meter.**
2 Install the fitting level in front of the bore/intake.
3 Pilot drill the mounting holes at either side of the top face.

4 Remove the fitting.
5 Drill the mounting holes to the recommended depth.
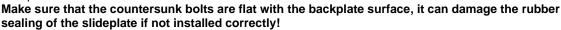6 Clean the fixing holes.
7 Fit the chemical anchor capsules.
8 Apply copper grease to **the nut side** of the studs.
9 Insert the studs using a hammer drill with attachment fitted.
10 **Remove!** Any excessive chemical mixture around the studs.
11 Allow the chemical anchors to cure for the specified time.

12 Install the fitting.
13 Fasten the nuts by hand.
14 Secure support to the frame by hand tightening.
15 Pilot drill the remaining mounting holes including those for the special anchors located above the bore/intake.
    Make sure that the countersunk bolts are flat with the backplate surface, it can damage the rubber sealing of the slideplate if not installed correctly!
16 **See more at points 4 up to and including 11.**

17 Make sure the groove in the back plate is clean and dry.
18 Mark the centre lines of the mounting holes on the back panel using a white pencil.
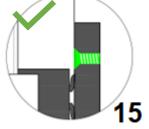19 Apply sealing strip in the groove, first at the top and bottom across the full width, then with over-lengths on the left and right hand sides.
20 Apply a generous amount of adhesive to the mating faces of the sealing strip.
21 Using the drill bush supplied, drill attachment holes in sealing strip.
22 Install the fitting.
23 Locate the washers and the spring washers over the studs.
24 Tighten the nuts to the correct loading.
25 Tighten the bolts on the support brackets on the side of the frame.
26 **Verify that the product is functioning correctly.**
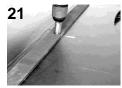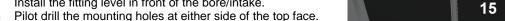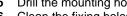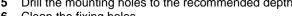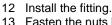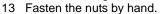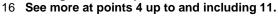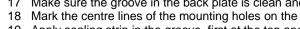27 To install an optional spindle extension kit see installation sheet of the KSV.