

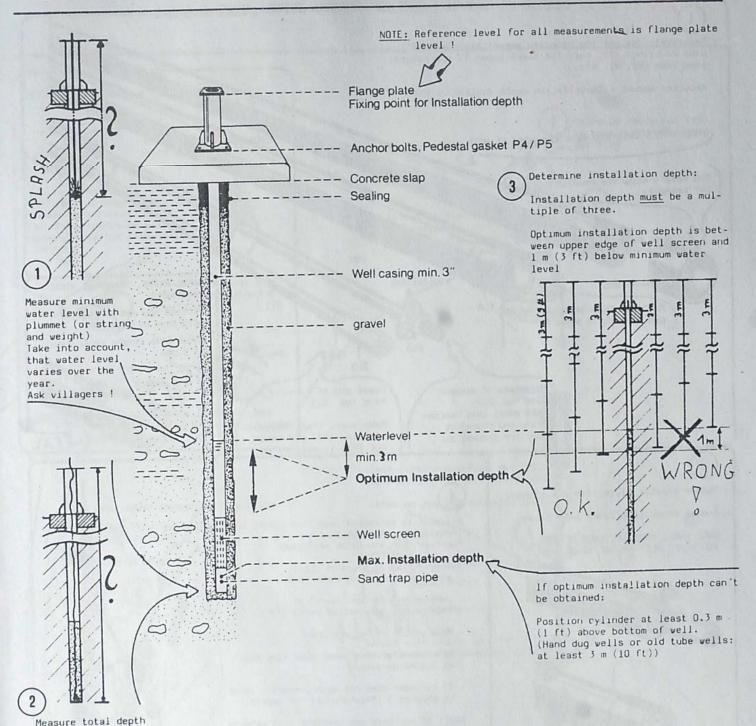
of well.

STEP 2: INSTALLATION OF CYLINDER ASSEMBLY (4.2)
4.2.1) Determination of installation depth

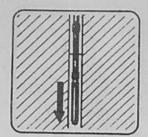
YOU NEED: Parts: -

Materials: TM7, TM14





WARNING: Deep installation of cylinder can cause particles to float into cylinder !



STEP 2: INSTALLATION OF CYLINDER ASSEMBLY (4.2) 4.2.2) Preparing Parts for Installation

YOU NEED: Parts: R1 - R5, CO (PB 2,5) ST3, ST4, ST13, TM5, TM16, Materials:

TM17





SALTA NOVELLA PROPERTY OF CASE OF THE WAY AND THE WAY Separately lay out the required amount of pipes (R4), pipe couplings (R5, only for steel pipes !) and connecting rods (R1, R2, R3).

Required amount = Installation depth divided by three !

STEEL PIPES (R4) are male threaded at both ends

You need a separate coupling (R5)

for assembly

Pb-Schaub-Pipes have a welded-on

pipe coupling at upper end

R4

Upper end of connection rod (R1) Make sure, that centralizer and check nut (R3) are screwed on!

R4

Provide one end of each pipe with pipe coupling (R5) R3

EXCEPTED

These ends become upper ends of pipes

STEEL PIPES, PB-SCHAUB PIPES

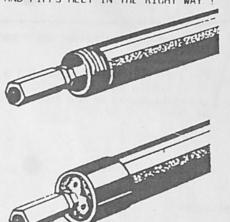


3

Remove plastic plugs from all threads

Insert connecting rodes into pipes

MAKE SURE, THAT THE ENDS OF RODS AND PIPES MEET IN THE RIGHT WAY



MAKE SURE YOU HAVE SPARE CHECK NUTS !



centralizer

Cylinder is delivered ready for installation. Nevertheless a function test should be performed:

R2

ting rod (R1)

Lower end of connec-

Make sure, that hexagonal

coupling (R2) and check nut (R3) is screwed on !

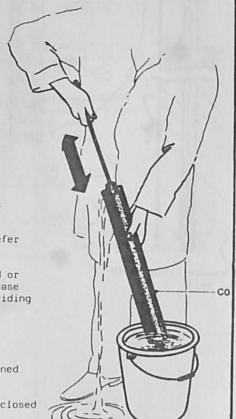
- Remove plastic plugs at upper and lower end of cylinder (CO)
- Immerse bottom (end piece) of cylinder in a bucket of water (TM 5)
- Move piston rod up and down
- After some strokes water must flow out of discharge piece
- If cylinder does not work properly, refer to chapter 7 (Maintenance) for repair.

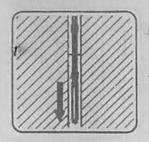
NOTE: If you have any problems with sand or other particles in your water, please check back with manufacturer, providing information about particle size.

> Various strainers are available, depending on particle size.

Bottom thread of cylinder is designed for attaching strainer.

The valve flap will be absolutely closed at 0,5 bar (5m) water pressure.





STEP 2: INSTALLATION OF CYLINDER ASSEMBLY (4.2)
4.2.3) Assembling cylinder and STEEL PIPES

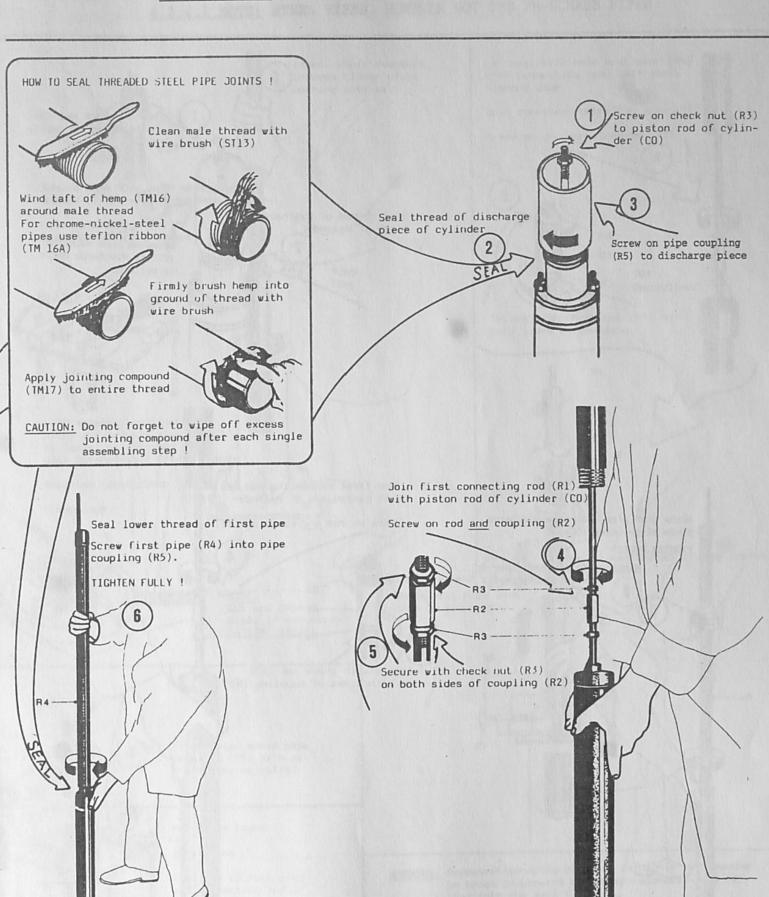
YOU NEED: Parts: R1 - R5, CO (PB 2,5)

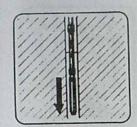
Materials: ST3, ST4, ST13, 2 X ST2,

TM16, TM16A, TM17



4.2.3.1 NOTE: STEEL PIPES, HOWEVER NOT THE PB-SCHAUB PIPES





STEP 2: INSTALLATION OF CYLINDER ASSEMBLY (4.2) 4.2.4) Assembling RISER PIPES

YOU NEED: Parts: R1 - R5

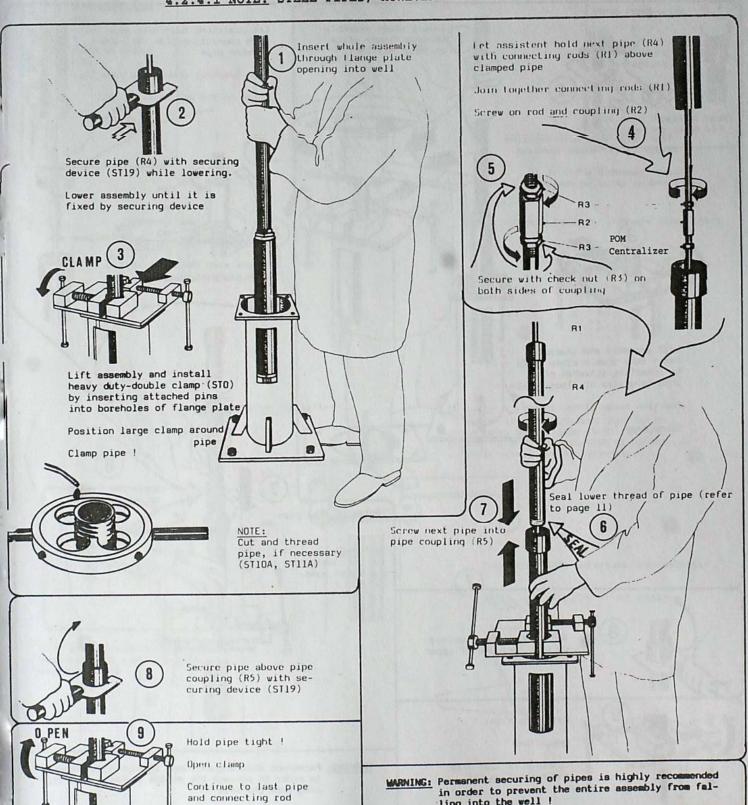
Materials: STO, ST3, ST4, ST13, ST19,

2 X ST2, ST10A, ST11A,

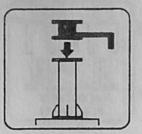
TM16, TM17

4.2.4.1 NOTE: STEEL PIPES, HOWEVER NOT THE PB-SCHAUB PIPES





ling into the well !



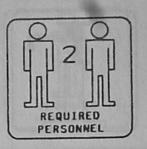
STEP 3: INSTALLATION OF WATER TANK (4.3)

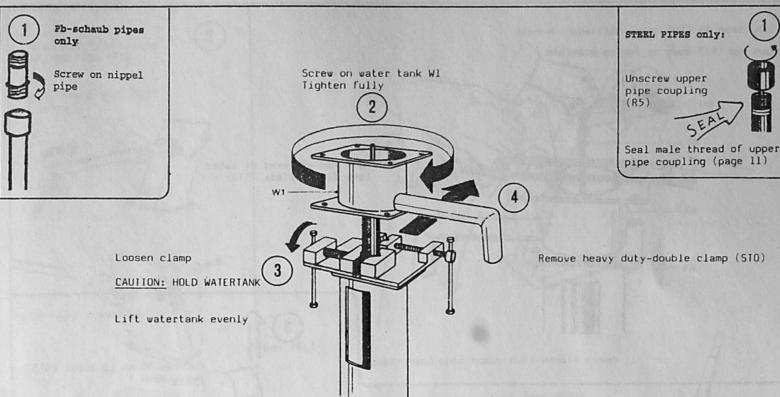
4.3.1) Mounting water tank on flange plate

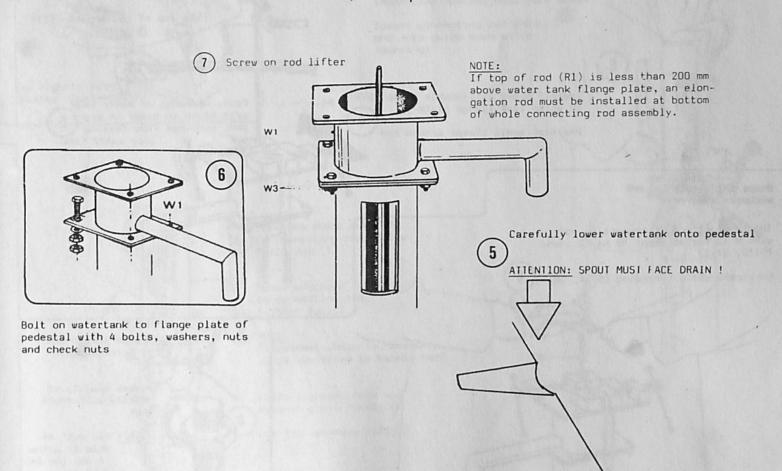
YOU NEED: Parts: W1, W3

Materials: STO, ST2, ST3, ST4, ST13,

ST18, ST20, TM16, TM17









STEP 3: INSTALLATION OF WATER TANK (4.3)

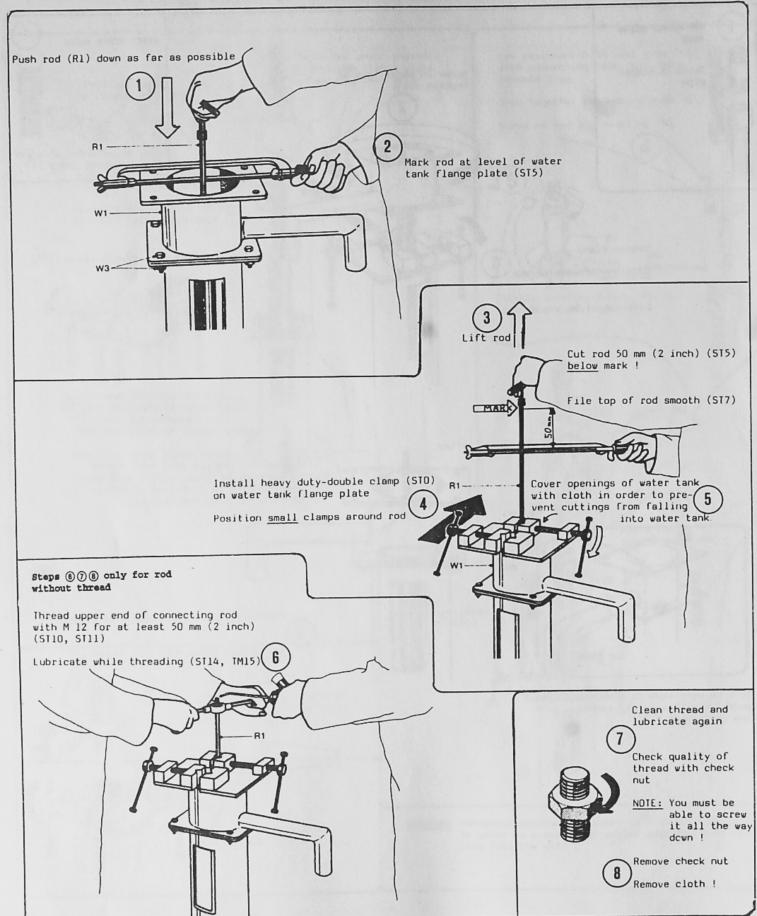
4.3.2) Adjustment of the Connecting rod

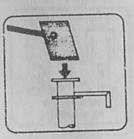
YOU NEED: Parts: R3

Materials: STO, ST5, - ST8, ST10, ST11

ST14, TM10, TM11, TM14, TM15







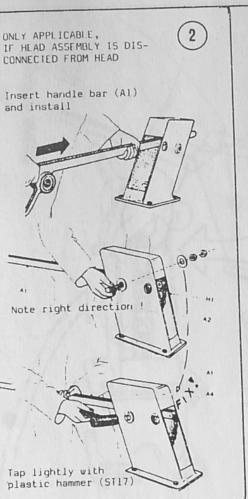
STEP 4: INSTALLATION OF CONVERSION HEAD AND HEAD ASSEMBLY (4.4)

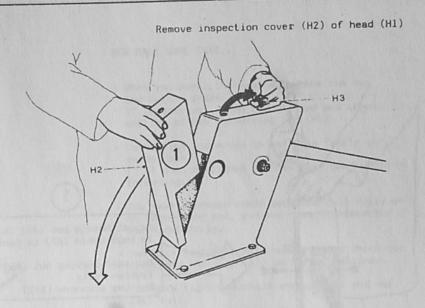
4.4.1) Attaching head assembly

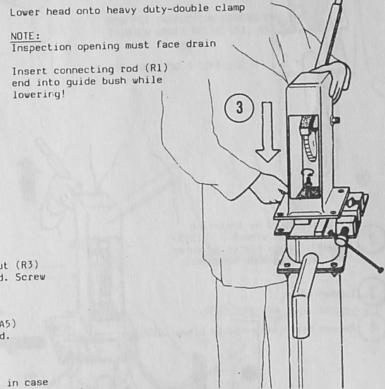
YOU NEED: Parts: Al - A6, Hl - H3

Materials: STO, ST2, ST17









Screw on check nut (R3) to connecting rod. Screw fully down !

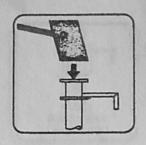
Screw on chain (A5) to connecting rod. Tighten fully!

H1 A5

> NOTE: Disconnect chain in case it is connected to handle bar!

fully tighten check nut against chain coupling

Use two spanners (ST2) !

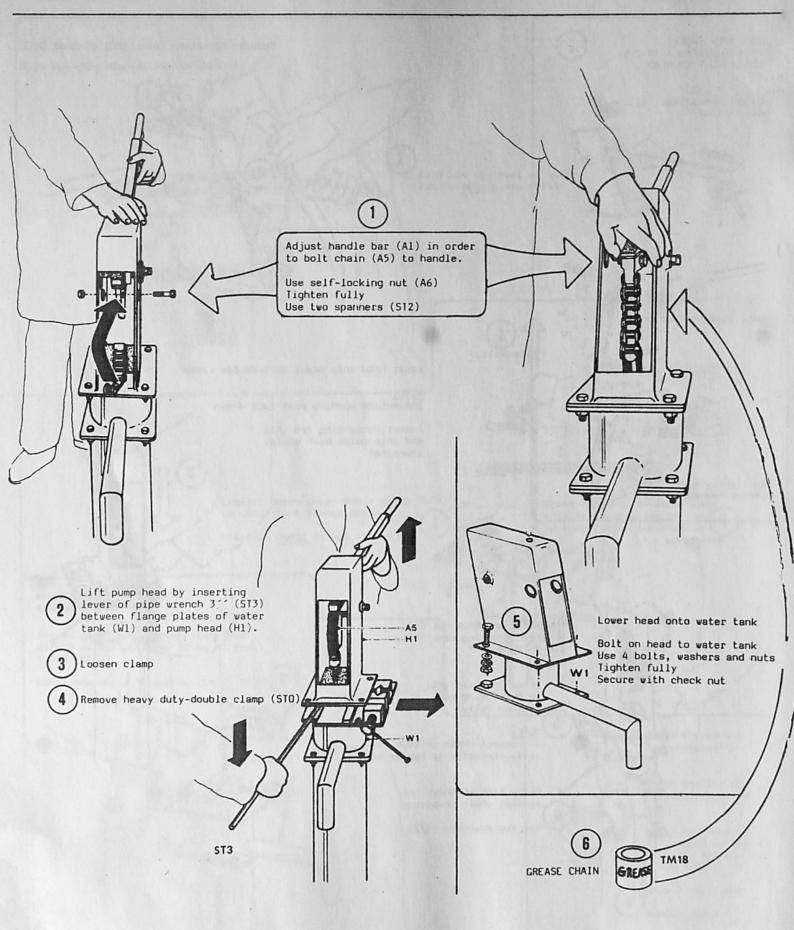


STEP 4: INSTALLATION OF CONVERSION HEAD AND HEAD ASSEMBLY (4.4)

4.4.2) Mounting head on water tank

YOU NEED: Parts: Al - A6, H1 - H3, W3 <u>Materials:</u> STO, ST2, ST3, TM18







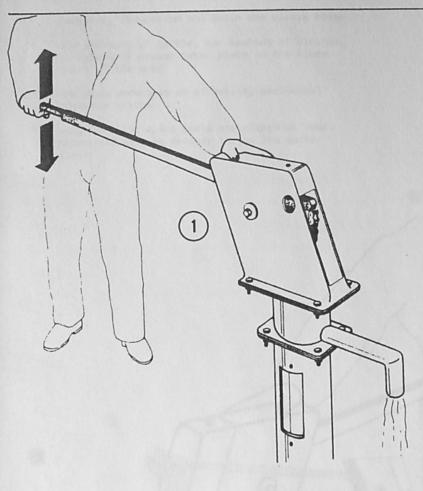
STEP 4: INSTALLATION OF CONVERSION HEAD AND HEAD ASSEMBLY (4.4)

4.4.3) Final assembly

YOU NEED: Parts: H2, H3, P2, P3

Materials: ST2





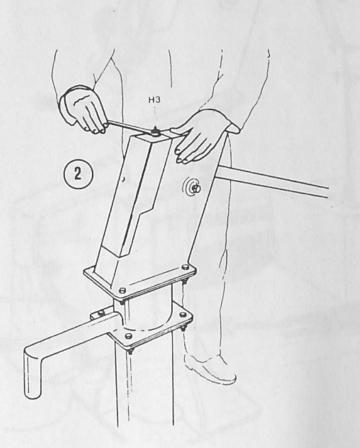
## NOW MAKE SURE THAT ...

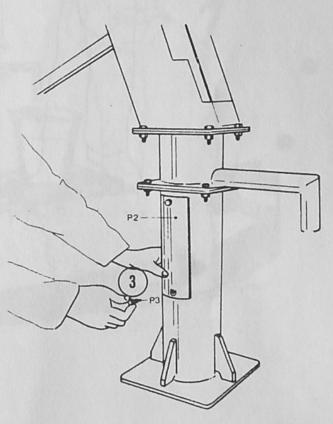
- When you pump, the handle touches the top and bottom stops.
   If it does not, then remove head and check setting of top connecting rod (R1)
- Connecting rod moves up and down freely in guide bush.

  If it does not, then rod has been bend while threading.
- You have threaded chain coupling (A5) fully on to connecting rod, and you have tightend the check nut fully.
- You have tightened axle nut (A7) and check nut fully and the axle (A2) is firmly retained.
- You have tightened chain anchor bolt and nut (A6) fully
- You have left nothing inside the head.

NOW FIT INSPECTION COVERS (P2, H2). TIGHTEN COVER BOLTS (P3, H3) FULLY!

ARE YOUR TOOLS COMPLETE ?





## 6. PARTS LISTS

## 6.3 pb-Handpump Cylinder type pb-VA 65 of stainless steel

Product No.	Code	Description	Material
C3.1		Plastic plug	Plastic
C3.2		Piston rod	Stainless steel AISI 304
C3.3		Discharge pièce	Stainless steel AISI 304
C3.4		Nut M10 with washer	Stainless steel AISI 316
C3.5		O-Ring	NBR
C3.6		Cylinder sleeve	Stainless steel AISI 304
C3.7		Guide	Stainless steel AISI 304
C3.8	\$.60	Supporting plate	PVC
C3.9		Valve	PVC / PARA-NBR
C3.10	131	Ende piece	Stainless steel AISI 303
C3.11		End piece set	S/s AISI 304 ; PVC /PARA-NBR
C3.12		Nut M8	Stainless steel AISI 316
C3.13		Strap's rods, set	Stainless steel AISI 316
C3.14		Valve seat	S/S AISI 303 / PVC
C3.15		U-Ring (Rubber cuff)	NBR
C3.17		Guide nut	Stainless steel AISI 316
C3.18		Nut M14x1,5	Stainless steel AISI 316
C3.16		Spare part kit	

6. PARTS LISTS 6.4 spare parts pb handpump cylinder type VA-65 R3 of stainless steel C3.3 C3.5 C3.2 C3.6 C3.13 C3.18 C3.17 C3.9 C3.14 C3.15 C3.8 C3.4 C3.7 C3.9 C3.11 -C3.5 C3.10

-C3.12

## 6. PARTS LISTS

6.5 spare part list of the cylinder pb handpump-cylinder type VA 65 of stainless steel

