



Operating Manual

VPI 65



Before putting into operation, make sure that the equipment does not show any signs of exterior damage.

Connect the **VPI 65** to a suitable 42v - 48v or 110v [250v] / 200 Hz frequency converter. The CEE-type plug connector fits most commercially available transformers.

Caution: Converters with output voltages different from those allowed for the equipment can lead to the destruction of the equipment or considerably impair its performance.

For model with hand switch:

Immerse the vibratory poker completely in the concrete and operate hand switch. As soon as the desired compatibility is reached, withdraw equipment and switch off.

For model with automatic switch:

Immerse the vibratory poker completely in the concrete. As soon as an angle of inclination of about 30° is reached, the automatic switch installed in the connection hose (at approx. 60 cm above the connection) is triggered. As soon as the desired compatibility is reached, withdraw equipment again and put that section of the hose that contains the switch in a horizontal position (for example by laying it on the ground) to cut off the vibrator.

To ensure proper cooling, all poker heads should be completely immersed in the concrete. Where this doesn't happen, it increases the risk of the integrated thermo - switch automatically cutting down the equipment to protect it from overheating. If this should happen, please allow time for the equipment to cool down before restarting. Immersing in a bucket of cold water would speed up this process.

Danger: HEALTH HAZARD Do not handle or touch vibrating part during operation

Dismantling. The replacement of defective components as well as any subsequent assembly must be carried out by skilled technicians. **Always disconnect equipment from power supply.**

To open vibratory poker, clamp the vibrator housing [18] firmly in a pipe vice. Release locking weld points between nosepiece (15 / 17), vibrator housing (18). This thread has been assembled using 'Loctite' or similar thread sealant. To release, heat the area, to a temperature of 100° C –120° C, at the threaded point and unscrew nosepiece by using a pipe wrench (right-hand thread).

Remove spring washers (19), distance washer (20) and bearing cap (21) then knock the assembly on a block of wood to release the interior components - rotor complete (1), needle bearing sleeve (5) and stator (10).

If necessary, the inner 'O' rings (9) can be removed using a long thin screwdriver or similar.

Screw an M8 studding into extraction nut (14) and pull needle bearing (12) out of stator (10).

To continue dismantling the rotor assembly, remove circlip (2) and draw off bearing sleeve head (7). The inner raceways of the needle bearing (4,13) can now be drawn off the rotor (1).

The assembly must be carried out in reverse order.

Always pay attention to the correct orientation of the spring washers (19). (see exploded view)

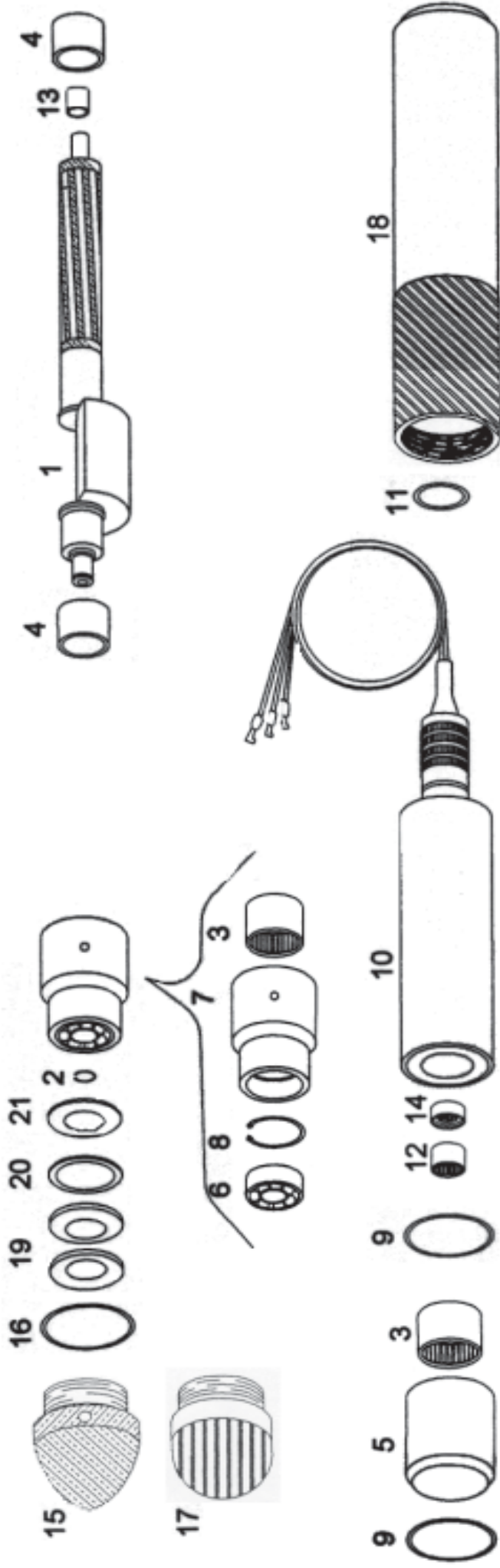
When re-assembling, threads must be treated with 'Loctite' or similar thread sealant. If possible re-weld locking points.

Lubrication: The VPI 65 is grease-lubricated. Make sure an appropriate commercially available grease is used.

Technical Data:

	VPI 65
Diameter	65mm
Length head	335 mm
Weight (head only)	7.2 kgs
Input (voltage)	42- 48v / 200 Hz
Output (power)	2.1 kVA
Speed	12.000 RPM
Compaction rate	38 m ³ /h
Length / rubber hose	5m
Length /supply cable	10m

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Item	Description	Ref. No.	Item	Description	Ref. No.
1	Rotor / 65	R1200	11	Outer 'O' ring stator / 65	R1212
2	Circlip / 65	R1201	12	Needle bearing / 65	R1110
3	Needle bearing / 65	R1202	13	Inner raceway for needle bearing / 65	R1111
4	Inner raceway of needle bearing / 65	R1203	14	Extraction nut / 65	R1112
5	Needle bearing sleeve / 65	R1204	15	Steel nosepiece / 65	R1213
6	Ball bearing / 65	R1205	16	'O' ring nosepiece / 65	R1214
7	Bearing sleeve head / 65	R1206	17	Rubber nosepiece (Vulcan) / 65	R1215
8	Circlip / 65	R1207	18	Vibrator housing / 65	R1216
9	Inner 'O' ring / 65	R1208	19	Belleville spring washer / 65	R1217
10	Stator 42v / 65	R1209	20	Distance washer / 65	R1218
10	Stator 110v / 65	R1210	21	Bearing cap / 65	R1219
10	Stator 250v / 65	R1211			