

Repair Instructions

Operation

For information, see assembly instructions Giant Industries

Maintenance and Servicing

For the type of threadlocker used and the required tightening torques, observe the table in the exploded view.

Special tools required

No special tools are required for assembly.

Suction and Discharge Valves

Screw out plugs (32) with a 12-point socket wrench. Check suction and discharge valves that are under the plugs by taking out the valves with a pair of flat tongs and then taking them apart.

Examine valve plate (28) and valve seat (27).

Cover thread of plugs (32) with a thin coat of threadlocker and tighten plugs (32) to the required torque.

Take care to reassemble in correct sequence.

Seals and Plunger

Loosen screws (34) and remove valve casing (26) by pulling it off over the plungers.

Remove drip-return ring (25), support ring (24) grooved seal (black) (23), Sleeve (30B) and O-Ring (30C) from valve casing (26).

Remove grooved seal (23) and support ring (24) out of seal adaptor (20).

When replace, wet new seals and O-rings thinly with silicone grease or mineral oil and insert carefully.

Pay attention to the sequence and installation position of the seals.

Check O-rings (21) and replace if necessary.

Check plunger surfaces (16).

Damaged surfaces cause hard wear on seals.

Lime deposits or similar on the plunger must be removed.



Plunger surface must not be damaged in the process.

In the case of lime deposits in the pump, care must be taken that the drip-return bores in parts (25) and (26) ensure trouble-free drip-return.

If the plunger (16) is worn, the complete plunger must be changed. The ceramic plunger alone cannot be changed due to reasons of precision.

For replacement please contact manufacturer.

When assembling, tighten the screws (34) to the required torque.

If required, supplementary assembly instructions can be requested from the manufacturer Giant Industries.

Spare Parts

When **ordering spare parts**, please specify **pump type, pump number, year of manufacture, and spare parts code no.**

This data can be found on the nameplate and in the spare parts list.

Malfunctions / Remedy

For informations, see assembly instructions Giant Industries.

Materials Used

Valve Casing: AISI 316

Plunger: Ceramic

Valves: High-Grade Stainless Steel

Seals: Teflon

O-Rings: Parofluor

Paint

The pump drive is painted in RAL 7004 as standard.