

Dear Distributor,

The following is information regarding design changes and improvements in the Magnum pump. A few new parts have been introduced. A few old parts have been deleted or replaced. The changes following in Spare parts lists rev. 5, 6, 7 and 8 are shown in below tables.

New regulator (leakage float switch) in the stator housing

Denomination	Item. No.	Part. No. list rev. 5	Item. No.	Part. No. list rev. 6
Conductors set	70	50 489 00	70	50 489 01
Regulator	71	50 486 00	73	50 486 01
Holder			72	50 402 00
Bearing holder	82	50 418 02	84	50 418 03
Screw M4x12			71	50 018 00
Pin 4x30	85	50 495 00 deleted	-	deleted

Reason for change:

A new regulator with improved level control function for the leak sensor has been introduced. To fit the regulator in bearing holder more room is needed. New regulator can be fitted in an old bearing holder if the holder is modified according to instruction shown in TNL 14.0 bulletin.

Time of change: 2003-03-18.

New shaft seal lower

Denomination	Item. No.	Part. No. list rev. 5	Item. No.	Part. No. list rev. 6
Shaft seal lower	91	50 396 00	92	50 396 01

Reason for change:

The old shaft seal made of Silicon carbide RSiC has been replaced by a new shaft seal made of Cemented carbide WCCR.

The dimensions are unchanged and it is therefore fully compatible.

Time of change: 2003-04-02.

New impeller N

Denomination	Item. No.	Part. No. list rev. 5	Item. No.	Part. No. list rev. 6
Diffuser upper	88	50 401 01	89	50 401 04
Impeller N 50 Hz	102	50 385 00	103	50 385 02
Impeller N 60 Hz	102	50 385 01	103	50 385 03

Reason for change:

New impeller with smaller centre hub and free vanes and a new matching upper diffuser have been introduced. With this change, the trust force in bearings has been reduced.

Time of change: 2003-06-19

New Impeller H

Denomination	Item. No.	Part. No. list rev. 6	Item. No.	Part. No. list rev. 7
Diffuser upper H	89	50 401 02	89	50 401 03
Impeller H 50 Hz	103	50 382 00	103	50 382 02
Impeller H 60 Hz	103	50 382 01	103	50 382 03

Reason for change:

New impeller H with smaller centre hub and free vanes and a new matching upper diffuser have been introduced. With this change, the trust force in bearings has been reduced.

Time of change: 2003-12-17

New shaft seal upper

Denomination	Item. No.	Part. No. list rev. 7	Item. No.	Part. No. list rev. 8
Shaft seal upper	87	50 395 00	89	50 395 01
Holder			90	50 414 00
Screw			91	50 020 08
Washer			92	133 292
O-ring 78x4	116	50 037 40	121	50 037 40
O-ring 67,5x4			122	50 037 54
O-ring 60x7 / 60x4	117	50 037 41	123	50 037 53

Reason for change:

A cemented carbide WCCR seal ring that is not soldered in the holder has been introduced.

The seal ring is secured in the holder with an O-ring item No. 122. This design gives a flexible assembly in the bearing holder. To prevent rotation of the stationary seal ring, a holder, screw and washer have been introduced.

The set of O-rings has been adjusted and contains O-ring item. No. 122.

Time of change: 2004-08-01

New assembly of lower bearing in bearing holder.

Denomination	Item. No.	Part. No. list rev. 7	Item. No.	Part. No. list rev. 8
Cover			80	50 417 01
Seal ring			84	50 763 00
Bearing holder	84	50 418 03	86	50 418 04

Reason for change:

The bearing is better protected from leakage from below by a lip seal and from the above by a cover. Between cover and bearing, there is room for additional grease that will extend the lubrication service period.

Time of change: 2004-06-14

Reduced numbers of stators

Denomination	Item. No.	Part. No. list rev. 7	Item. No.	Part. No. list rev. 8
Stator	24	50 484 xx	24	50 484 xx

Reason for change:

The stators have been adapted to the most common system voltages.

Stator 50 484 04, 05, 06 and 17 have been deleted

Stator 50 484 09 has been adapted to 500 V 50 Hz D delta connected only.

Time of change: 2004 -12- 01

Additional holder for handling of pump

Denomination	Item. No.	Part. No. list rev. 7	Item. No.	Part. No. list rev. 8
Washer	99	132 258	104	132 258
Holder	102	50 541 00	107	50 541 00

Reason for change:

For safer lifting and handling of the pump during repair, the pump has been equipped with two holders instead of one, this allows for more accurate placement of the pump during inversion.

With this change, the quantity of the washer item No. 104 has been reduced to eight.

New spare part list rev. 8 will follow as soon as the necessary adjustments have been completed.

The Installation of regulator in bearing holder and the assembly of lower bearing in bearing holder are shown in TNL 14.0 bulletin.

Yours faithfully

Sören Eriksson
Technical Manager