

Dear Distributor,

In the end of May important product improvements are being introduced in the Matador pump.

Product changes:

Design of Diffuser ring and Lower diffuser has been changed to simplify the assembly and adjusting of the hydraulic unit. Diffuser ring is made of stainless steel with GU rubber lining.

The lower diffuser is made of stainless steel with PU polyurethane lining. (Rubber lined diffusers are available on request). All standard pump models are equipped with a Strainer and a Strainer bottom that are made of stainless steel.

See attached cross section View A, spare parts list Proline rev 14 item 57, 58, 59, 60 and spare parts list MSHA rev. 5 item 46, 47, 48, 49.

Visual identification of the new pump model:

The type numbers of pump models are unchanged. The first pumps to be made with the new design are Proline type 4551 with serial No. 166935 and MSHA type 4701 with serial No. 166722.

The following parts are being replaced and deleted:

M10 stud, Spacer tube, Washer, Rubber seal, Diffuser ring

Note! The old lower diffusers No. 130 749, 130 749PU, 130 751 and 130 751PU will be available.

See spare parts list rev 13 Proline item 43, 45, 47, 48, 57, 58 and MSHA spare parts list rev.4 item 32, 34, 36, 37, 46, 47.

Following new parts are being introduced:

M10 Stud, Rubber sleeve, M10 Nut, Rubber sleeve, Diffuser ring and Lower diffuser.

See cross section view A item 43, 46, 47, 48, 57, 58, MSHA 32, 35, 36, 37, 46, 47.

Advantages:

The lower diffuser is firm secured in the Studs that are holding Diffuser ring, Strainer and Strainer bottom together. The new design improves stability, allows the dismantling and the assembly of pump to be easier carried out. The clearance between the lower diffuser and impeller will be easy to adjust.

Interchangeability:

Pumps with the old hydraulic design can be repaired and fitted with the new parts.

For repair of an old design hydraulic unit following parts are needed:

Stud M 10 x 270 mm No. 50 163 00, 6 pcs. are needed.

Note! The old stud item has same length 270 mm but a 60 mm threaded end where the new stud has a 160 mm treaded end. As the new stud will fit old and new design of pumps the Part number remains unchanged 50 163 00. Diffuser ring No. 50 625 00.

Lower diffuser No. 50 623 01, 00 for N and 50 624 01, 00 for H models.

Nut No 130955, 12 pcs. needed. Rubber sleeve No. 50 316 04, 6 pcs. needed.

Fitting and adjusting the lower diffuser, see attached cross section view A:

Fit the rubber seals item 46/35 over the secured nuts item 45/34. Screw on the upper nuts item 47/36 against diffuser ring item 57/46, and press on the lower diffuser item 58/47 flush against the impeller item 53/42. Screw the lower nuts item 47/36 easy by hand against the lower diffuser so that it remains flush against the impeller.

Back off the upper nuts from diffuser ring against the lower diffuser.

For the PU polyurethane models the set clearance between lower diffuser and impeller must be 0,3 mm (0,012") and for the GU rubber models 0,1mm (0,004").

Check the set clearance with a feeler gauge and secure all nuts evenly around.

After assembly the impeller should be easy to rotate by hand.

Note! Adjust the same way as Midi pump.

Continue to fit the rubber sleeves item 48/37 on studs, strainer item 59/48 and strainer bottom item 60/49 then tighten nuts item 49/38.

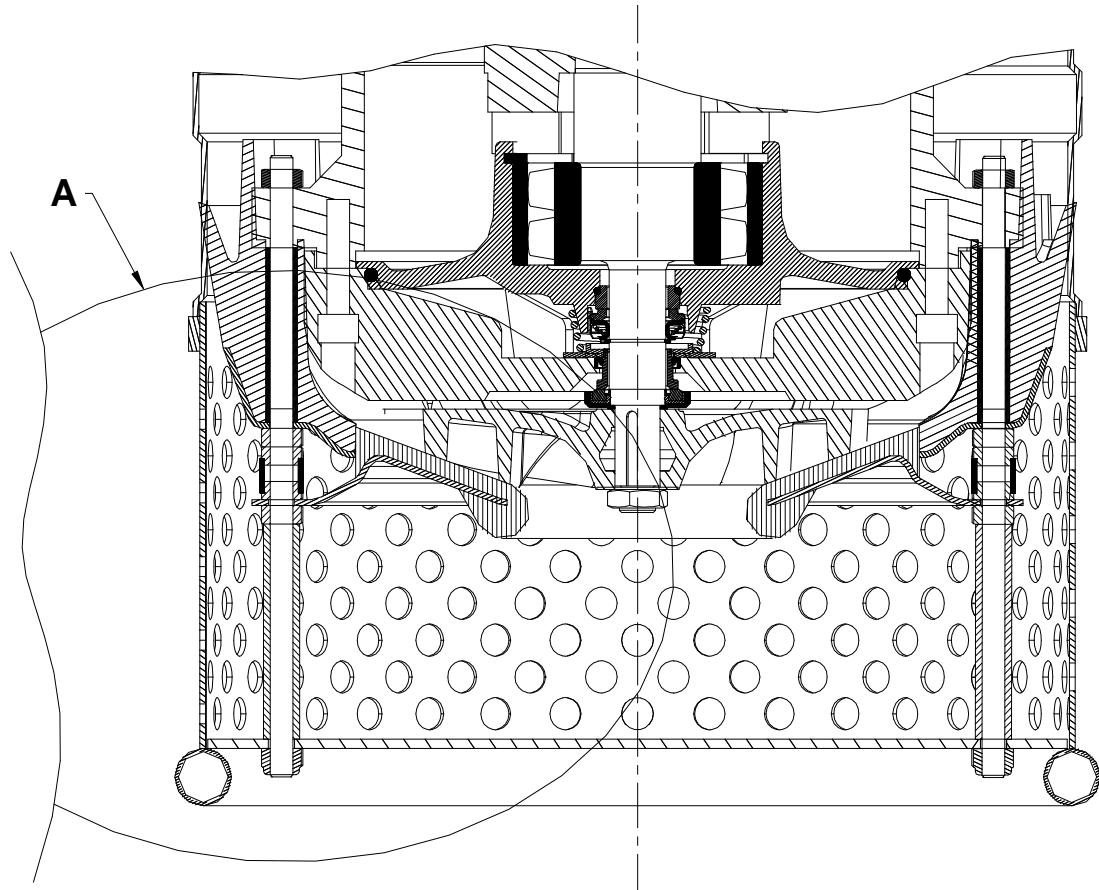
Check that performance of pump corresponds with published data.

Yours faithfully

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Encl: Drawing of the new hydraulic design cross section view A.



View A
(PROLINE and MSHA)

