



INSTRUCTIONS 1011-U00 e

Section	1011
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Original instructions

Anchoring of pumping units



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Your distributor :

ANCHORING OF PUMPING UNITS

Forces exerted by the pipes on the pump increase wear, cause shaft misalignment and may even cause breaks, therefore :

- make sure that all pipes are supported and are designed to allow thermal expansion and contraction (flexible unions or expansion loops are recommended).
- never exert force on pipes to align the connecting flanges.

Anchoring of pumping units

Connect seating of a pump unit is essential for its efficient operation and long working life, on a surface that is strong enough to absorb forces due to the unit with no deformation occurring.

When anchoring a pump unit with struts or bolts, make sure that it is wedged so that the base frame cannot deform when the bolts are tightened for any deformation could cause stresses that might damage the pump and its motor and misalign the coupling, leading to vibration, noise and premature wear.

When the base frame is built of bars, make sure they are raised above the ground, outside the support plates.

Access to fastening nuts

When the base frame is monobloc and built of folded steel sheet, leave a space about 50 cm wide on either side, on the long sides, to allow access to the nuts securing the pump, reduction gear or motor.

Alignment of motor and pump shafts

The motor and pump shafts are aligned before dispatch ; however, check them systematically after installation and carry out realinement if needed.

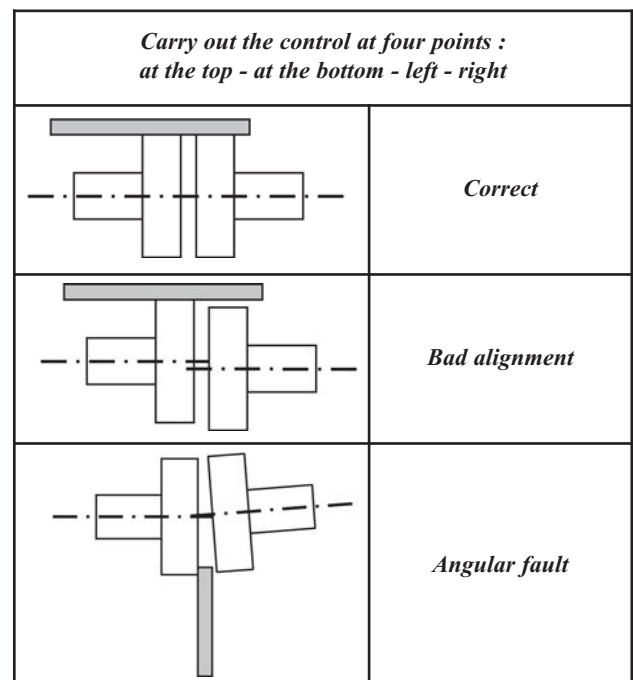
To align the couplings, use a straightedge to check center lines, and thickness gauges to check angular misalignment (see figures opposite).

Check alignment at every installation stage to make sure the pump or the unit incur no stress, that is :

- after fastening to foundations
- after fastening the pipes
- as soon as the pump has run at its normal working temperature.

NOTE : Never rely on the flexible coupling to compensate for misalignment.

Take precautions to prevent foreign bodies entering the pump (including a filter).



The warranty can be voided if the above instructions are not respected.