Dr Pump Installation Guide

This document does not replace our detailed working instructions, which should be given special attention with regard to ATEX regulations.

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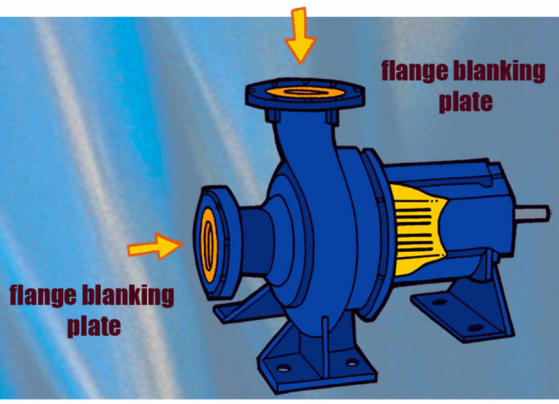
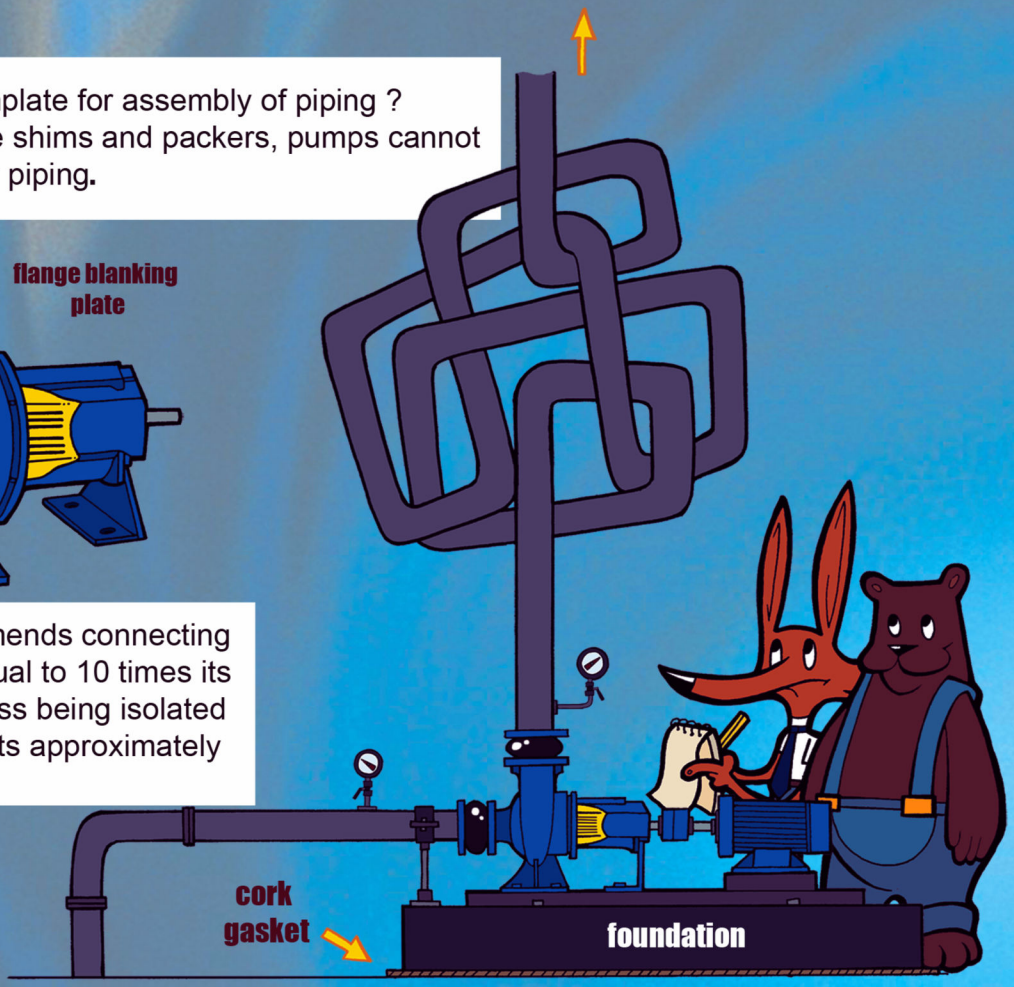
- To use the pumps as a template for assembly of piping ?
- Quite practical, but with the shims and packers, pumps cannot be used as fixed points for piping.



The code of practice recommends connecting the pump to a solid mass equal to 10 times its own mass, with the solid mass being isolated from the floor by cork gaskets approximately 3 cm thick.



Essential accessories :
A fine sieve filter (0, 1 mm) upstream of the pump
2 pressure gauges (suction and discharge) in the immediate vicinity of the pump.

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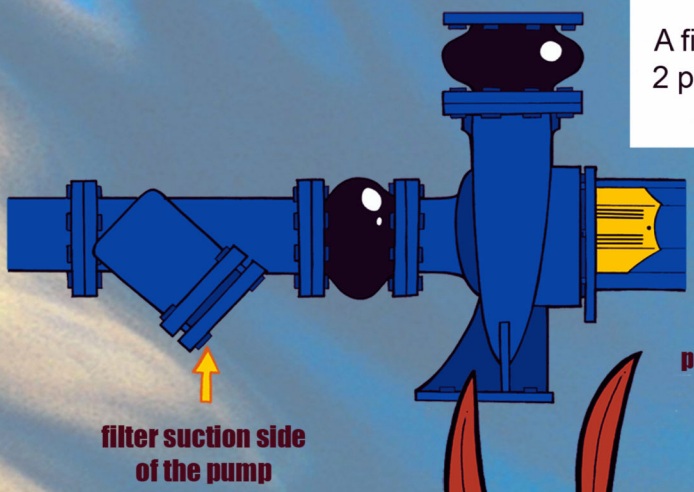

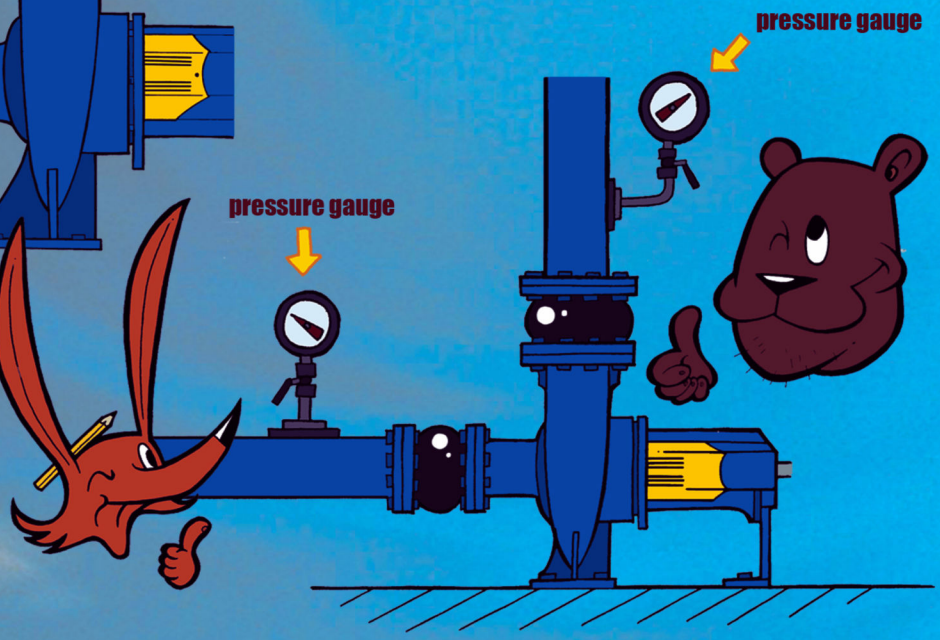

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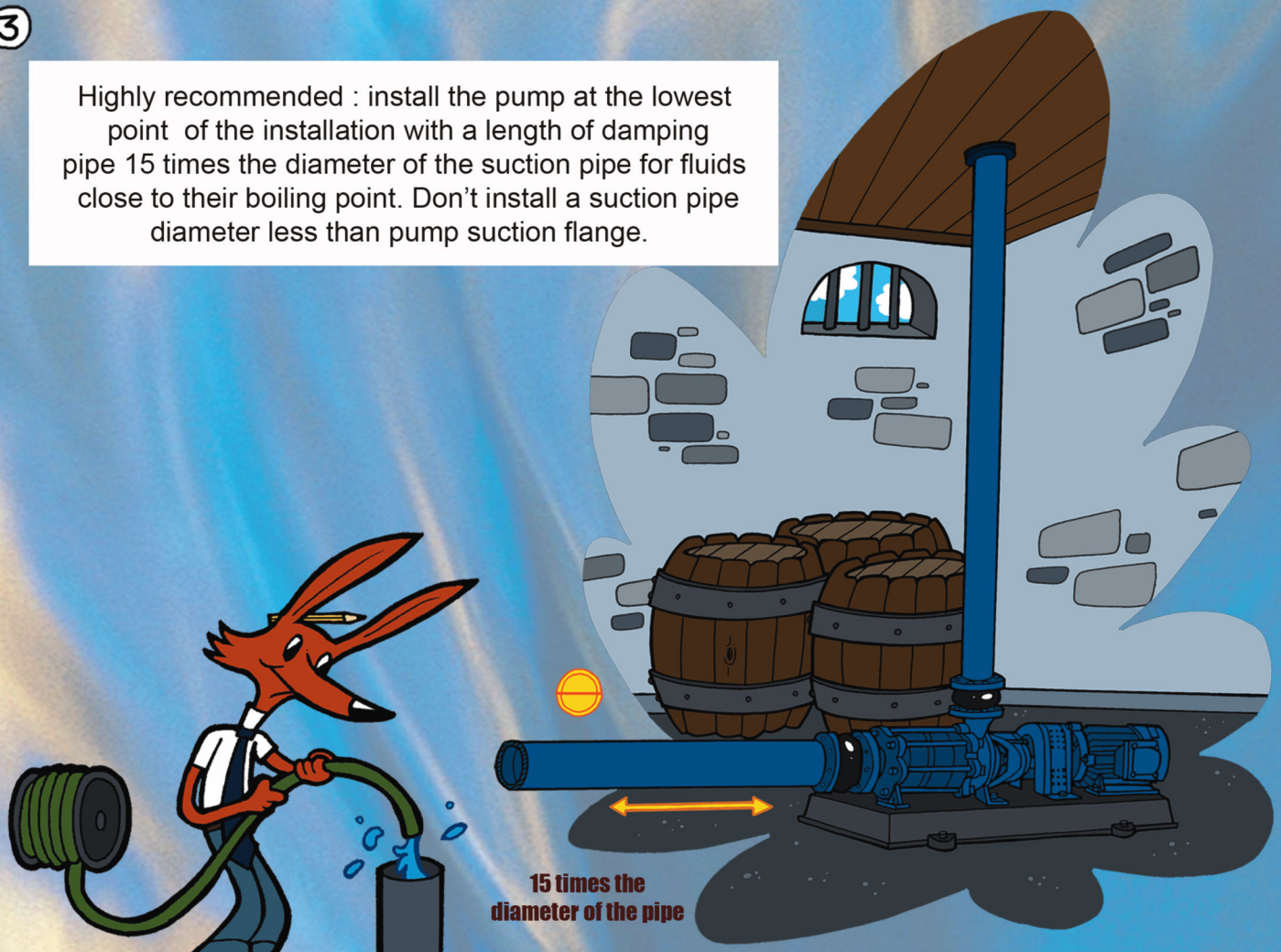
Highly recommended : install the pump at the lowest point of the installation with a length of damping pipe 15 times the diameter of the suction pipe for fluids close to their boiling point. Don't install a suction pipe diameter less than pump suction flange.



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In all cases : completely flush the whole installation BEFORE start-up ! But without the pump !
And dry well, bearing in mind the nature of the product to be pumped !

Remove the pump to let water drain out.

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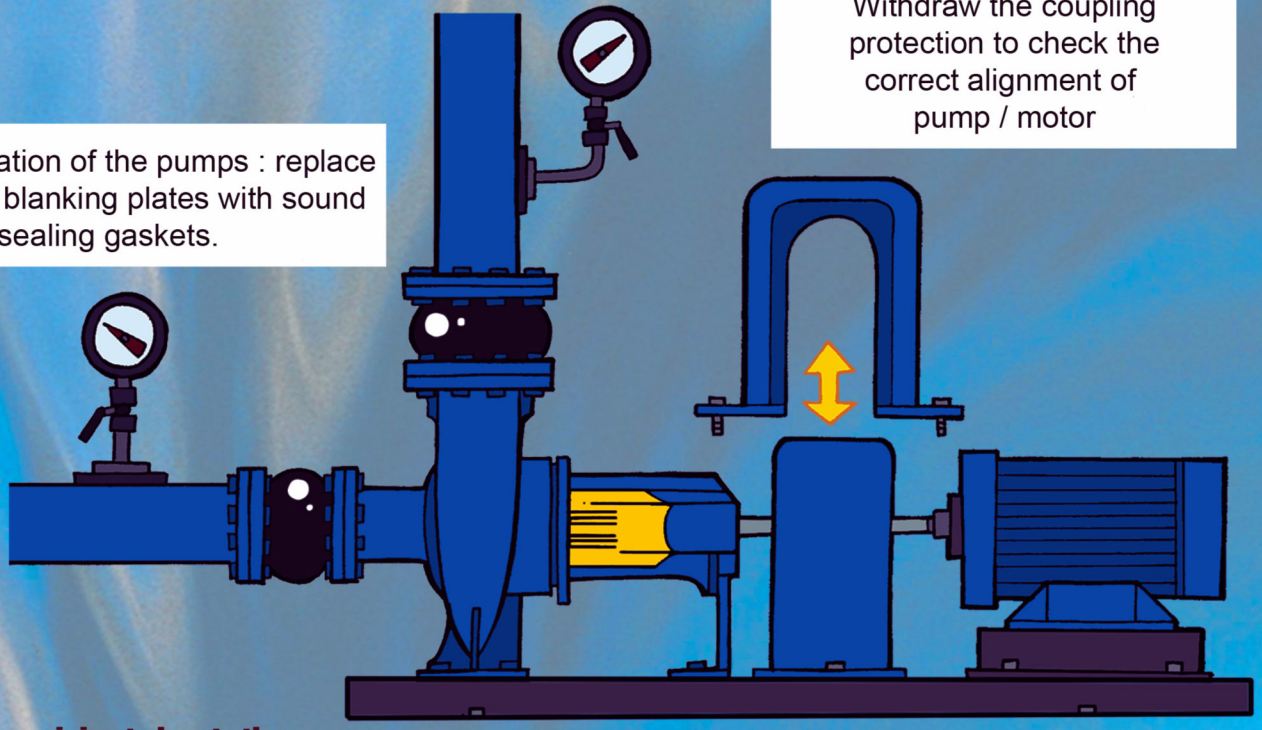
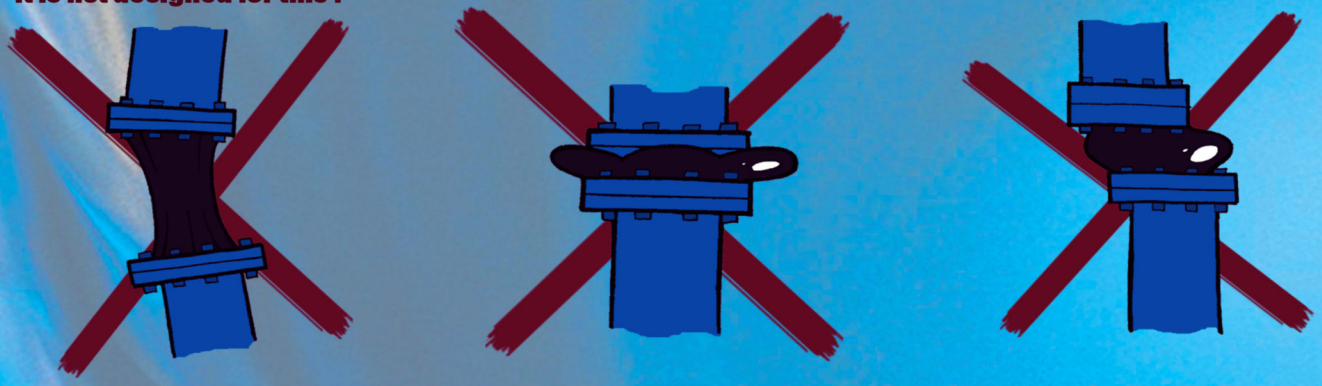
Withdraw the coupling protection to check the correct alignment of pump / motor

Final installation of the pumps : replace the flange blanking plates with sound sealing gaskets.



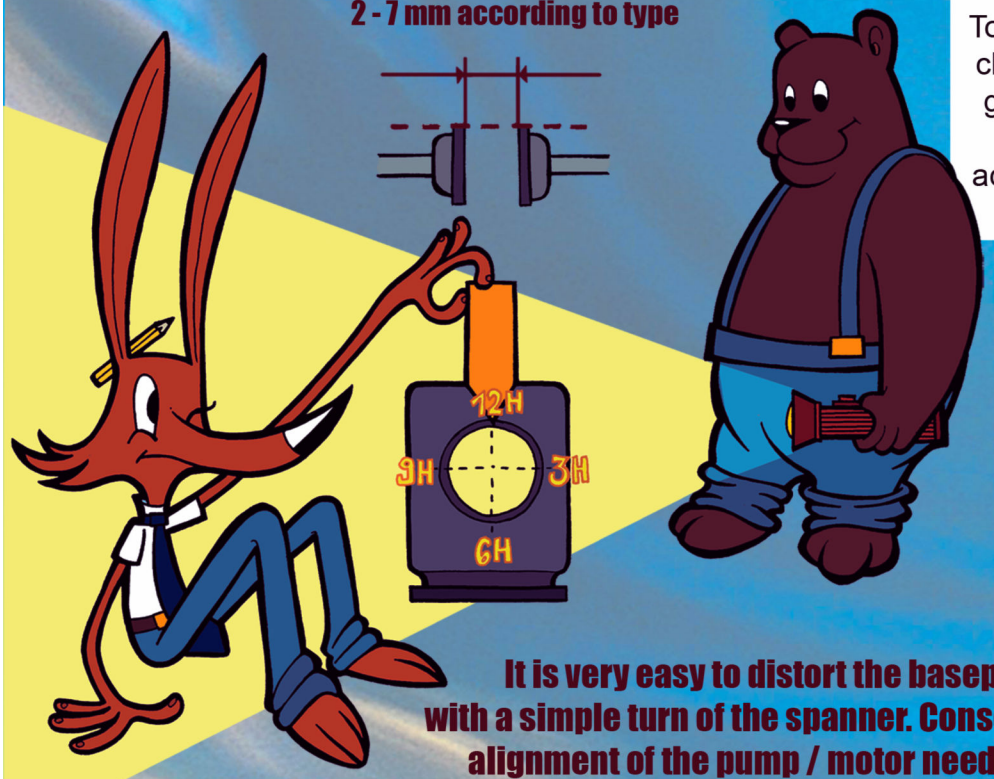
Do not rely on piping to locate the pump, it is not designed for this !

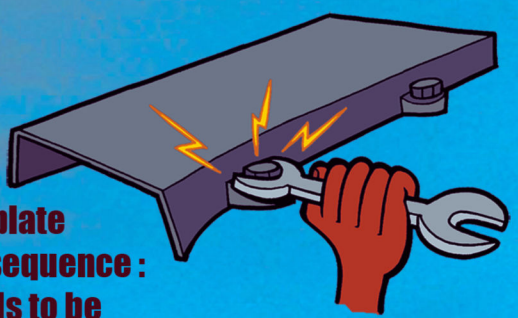


⑥

2 - 7 mm according to type

To align the pump and motor correctly : check alignment with a ruler and feeler gauges at the 12 o'clock and 3 o'clock positions. It needs to be set very accuracy, similar to how a watchmaker would set a Swiss clock !





It is very easy to distort the baseplate with a simple turn of the spanner. Consequence : alignment of the pump / motor needs to be redone !

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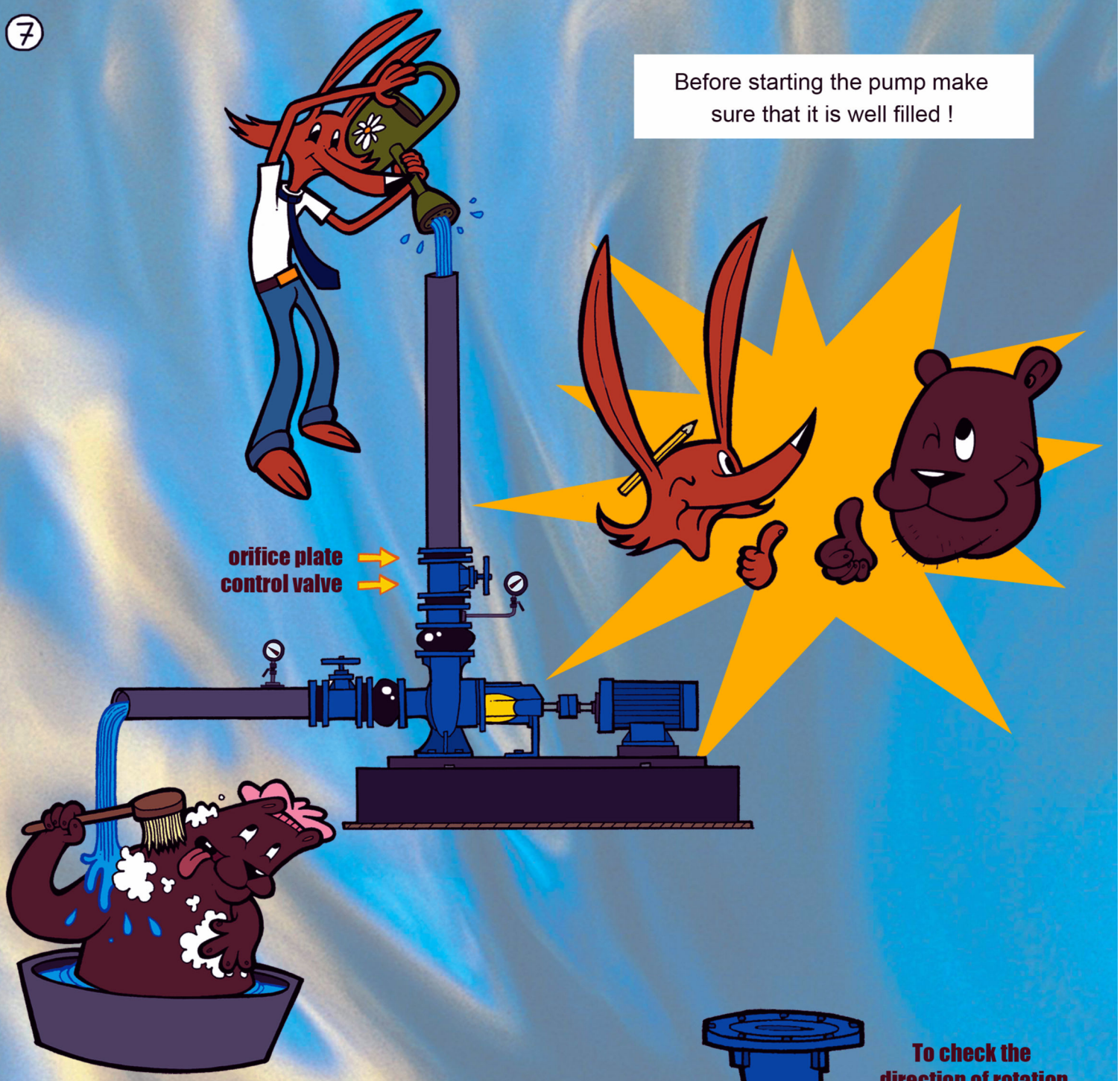
Before starting the pump make sure that it is well filled !



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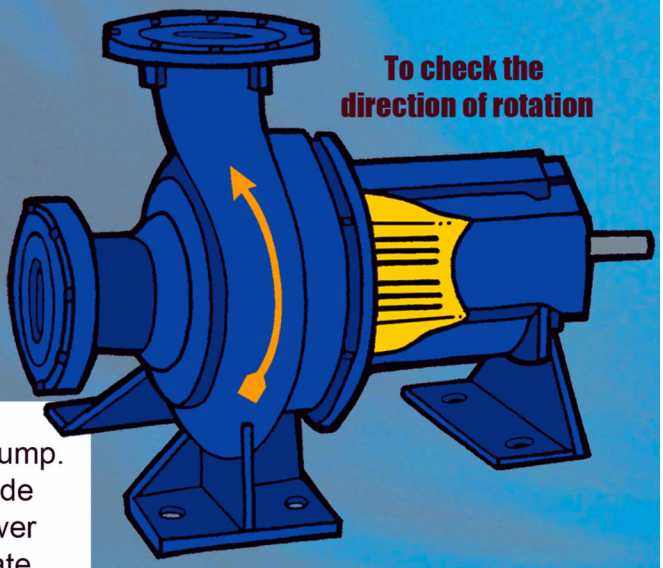

To check the direction of rotation of the engine without the pump.
For centrifugal pumps, close the valve on the discharge side then progressively open the valve to control the motor power until the duty point is reached. If required,use an orifice plate.
For side channel pumps, adjust the relief valve and open the pressure valve a third of a turn at time.

By following this advice, you will avoid major and premature damage to your ears !