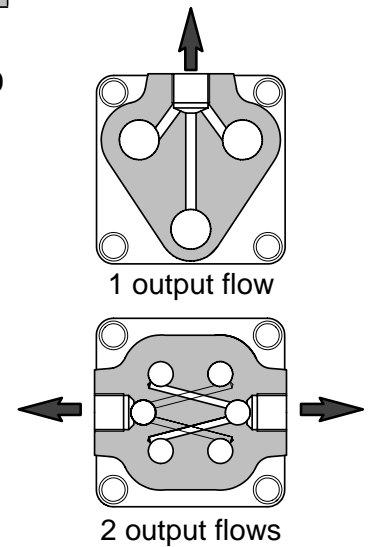


11 shaft
12 bearing
13 bearing
14 piston head
15 body
16 groove
17 swash plate
18 shoe
19 piston
20 check-valve

Leduc axial pumps are of the stationary cylinder block type. The inclined swashplate is turned by the drive shaft, thus causing the alternate movement of the pistons. Fluid enters the pistons via a groove in the swashplate and is expelled via check valves, self-priming if required. The forces on the shaft are taken up by bearings. The pump body is made of forged steel.

A precise calculation of the stability of the films of fluid between the friction surfaces means that there is virtually no wear on the moving parts.

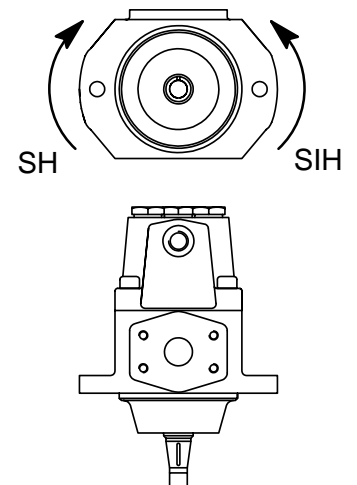


DIRECTION OF ROTATION

Leduc industrial pumps are made to rotate in a specific direction, determined by the position of the groove on the swashplate.

The direction is that seen when the pump is viewed from its drive shaft end (see sketch). An arrow is engraved on each pump, at the point indicated in the sketch, to indicate the direction of rotation. The direction of rotation required should be specified when ordering :

- SH : clockwise
- SIH : anti-clockwise

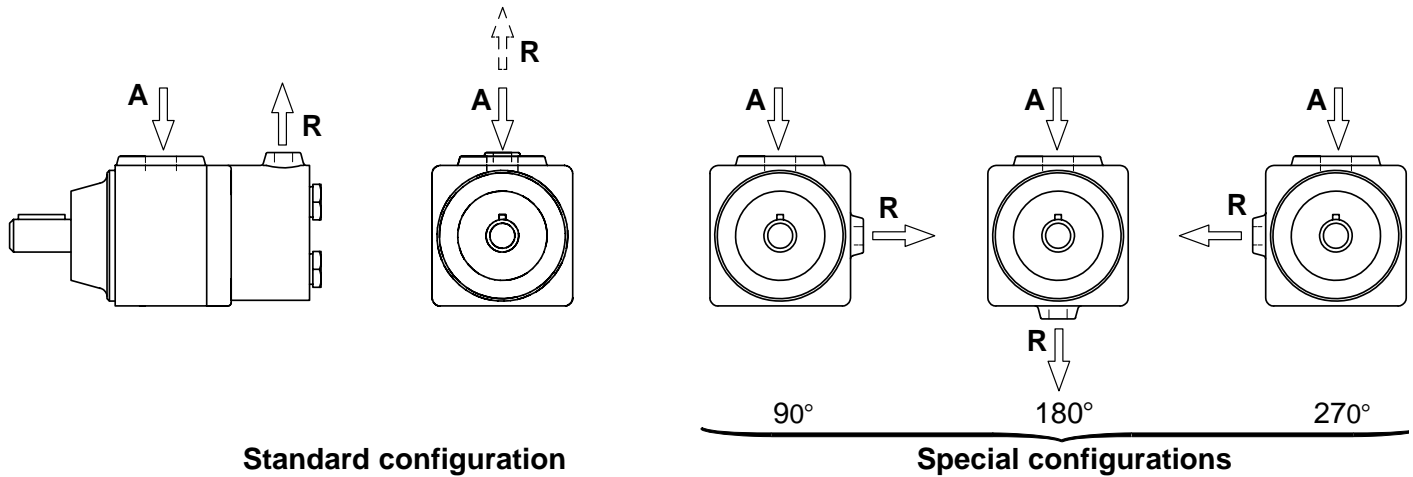


The direction of rotation is shown on the pump identification label.

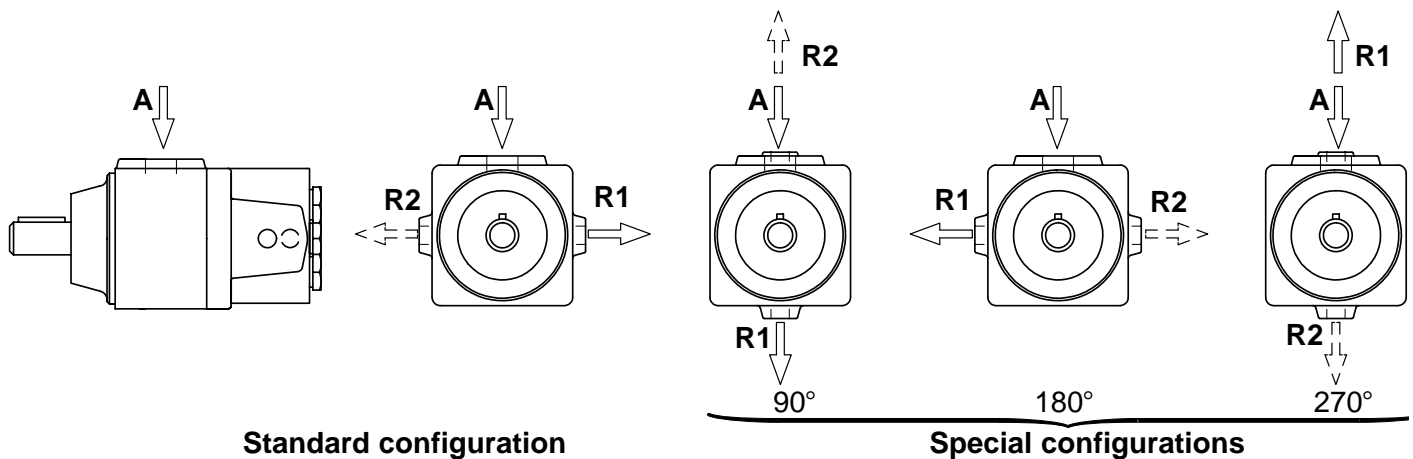
INLET AND OUTLET PORT CONFIGURATIONS

Leduc pumps are normally supplied with the inlet and outlet ports in the standard configuration indicated below. However, the delivery port (s) can be oriented in any of three positions, on request. Look at the pump at the drive shaft end.

SINGLE DELIVERY PUMP



DUAL DELIVERY PUMPS



When ordering, please specify the required configuration using the references (in degrees) given above. If possible, to avoid all confusion, include a sketch showing the pump as viewed from the drive shaft end.

HYDRAULIC FLUIDS

Hydraulic mineral oils : select a fluid for which the viscosity at the extreme operating temperatures is within the limits specified for the pump concerned.

Special non-corrosive fluids : Please contact our Technical Department.