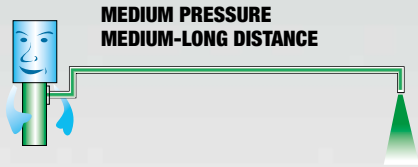




# Air-operated pumps for DISTRIBUTION

Ratio **5:1** Flow rate **18 l/min**



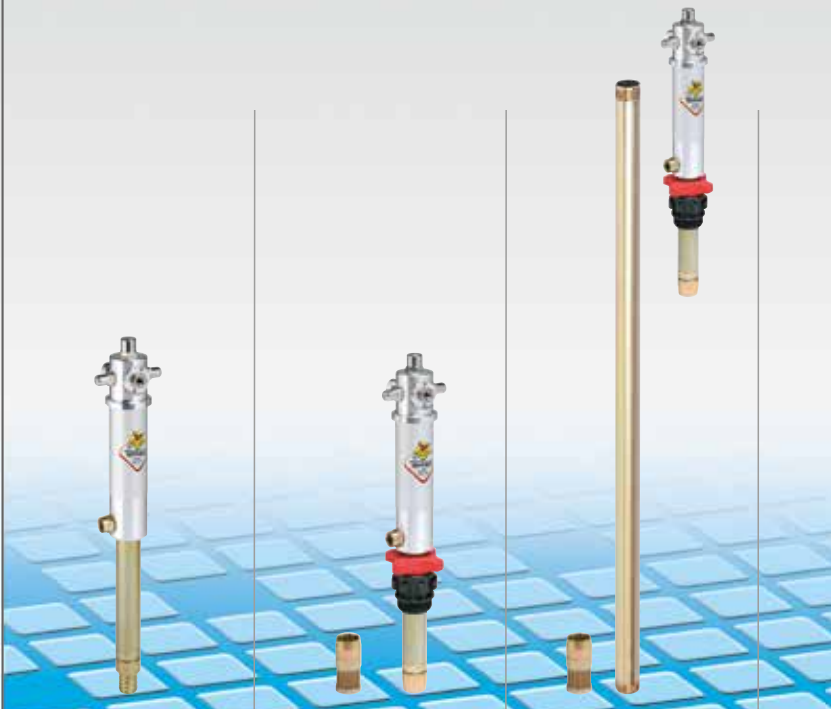
**Series 650 air-operated double-acting pumps for medium distance oil distribution.** Ideal for also distributing high viscosity oil. The double action guarantees the delivery of a continuous and constant flow, ideal for all installations, excellent for centralised distribution systems. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).

Article with seals in **NBR**  
 Article with seals in **NBR**

|                                      |       |                           |          |          |
|--------------------------------------|-------|---------------------------|----------|----------|
| <b>Compatible fluids</b>             |       | Medium/high-viscosity oil |          |          |
| <b>Suction tube upper body</b>       |       | Aluminum                  |          |          |
| <b>Suction tube</b>                  |       | Carbon steel              |          |          |
| <b>Air inlet connection</b>          | bsp   | F 1/4" G                  | F 1/4" G | F 1/4" G |
| <b>Fluid outlet connection</b>       | bsp   | F 1/2" G                  | F 1/2" G | F 1/2" G |
| <b>Air working pressure</b>          | bar   | 6 - 8                     | 6 - 8    | 6 - 8    |
| <b>Average air consumption</b>       | l/min | 350                       | 350      | 350      |
| <b>Noise level</b>                   | dB    | 81                        | 81       | 81       |
| <b>Max deliverable oil viscosity</b> | SAE   | 240                       | 240      | 240      |
| <b>Bung adaptor</b>                  |       | -                         | standard | standard |

Suitable for drums or tanks

|                               |                     |          |                 |                  |
|-------------------------------|---------------------|----------|-----------------|------------------|
| <b>Packing</b>                | N° - m <sup>3</sup> | 1 - 0,01 | 1 - 0,01        | 1 - 0,02         |
| <b>Weight</b>                 | kg                  | 4,7      | 5,2             | 7,2              |
| <b>Dimensions (A - B - C)</b> |                     | cm       | 34,5 - 27 - 4,2 | 34,5 - 125 - 4,2 |

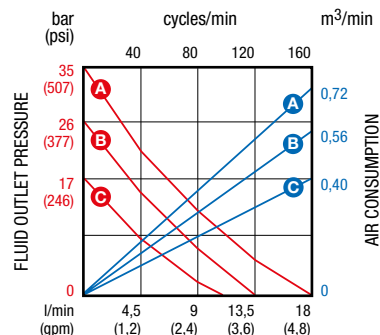


series 650



PUMP AIR FEEDING PRESSURE

- A A** 8 bar 116 psi
- B B** 6 bar 87 psi
- C C** 4 bar 58 psi



KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C

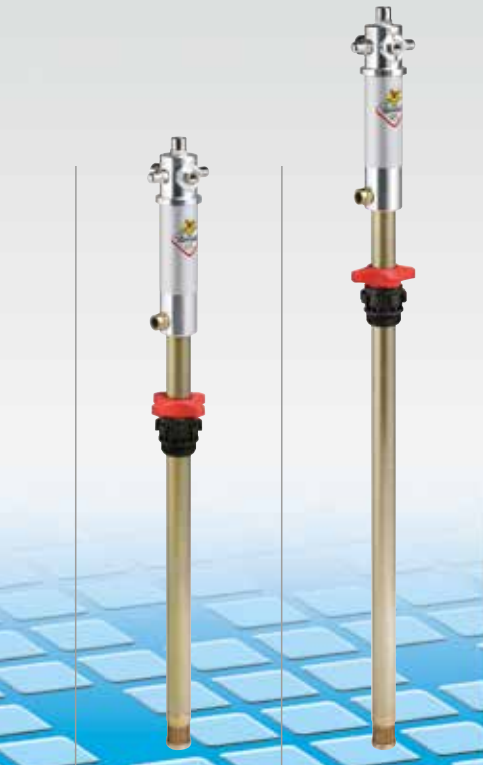
# Advantages of double-action

There are many technical solutions for obtaining a reciprocating double-acting pump.

The double-action of RAASM pumps is obtained with solutions that have simplified the pump mechanism itself, ensuring that delivery of the fluid in both alternating movements (upstroke and downstroke) of the pump occurs only through the difference in volume between the diameters of the pumping piston (A) and the pump shaft (B).

On the **upstroke**, delivery is caused by the **pumping piston (A)**.

On the **downstroke** it is caused by the difference in **volume between the diameter of the motor shaft (B) and the diameter of the pumping piston (A)**.



series 650

36073

36094

36076

36096

Medium/high-viscosity oil

Aluminum

Carbon steel

F 1/4" G

F 1/4" G

F 1/2" G

F 1/2" G

6 - 8

6 - 8

350

350

81

81

240

240

standard on 36076

standard on 36096



suitable for drums  
50-60 kg

1 - 0,02

6,2

34,5 - 74 - 4,2

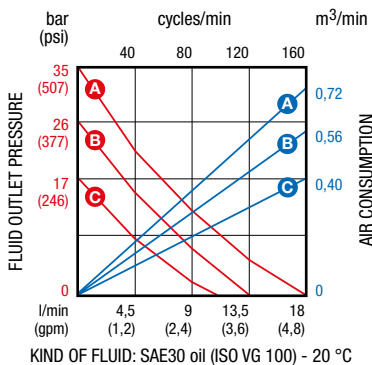
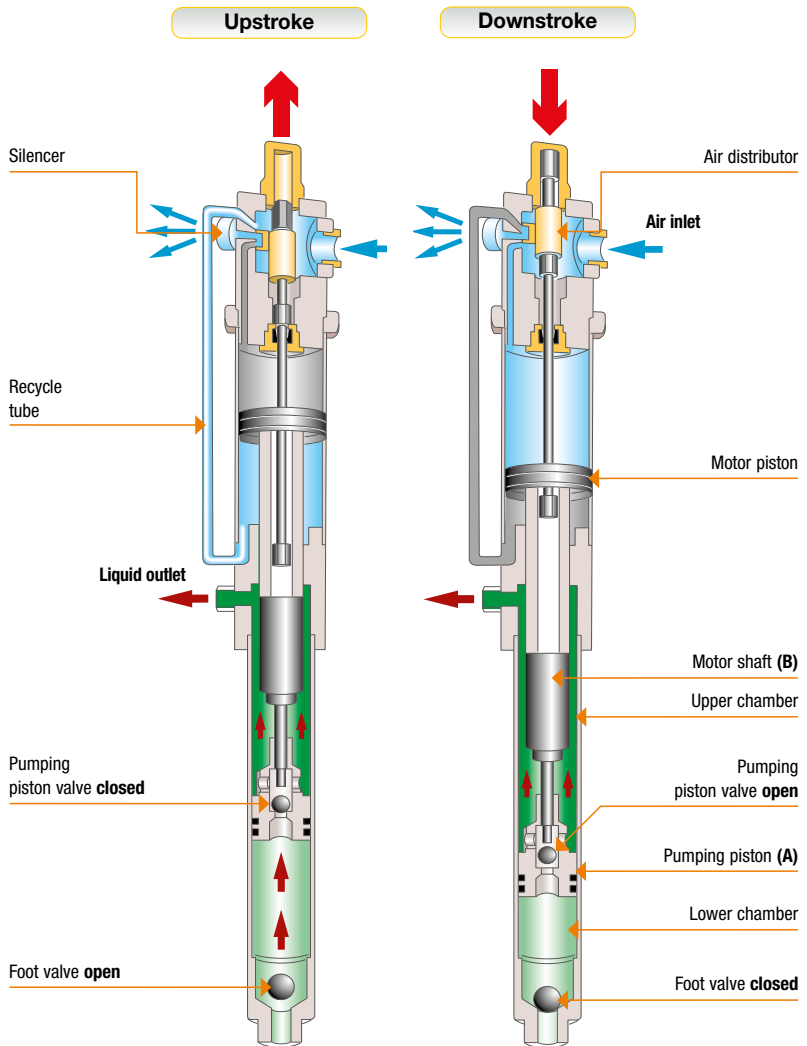


suitable for drums  
180-220 kg

1 - 0,02

6,8

34,5 - 94 - 4,2



In addition to guaranteeing regular delivery of the fluid, this solution offers the further advantage of having fewer parts inside the pump. This means less wear plus greater and longer reliability.