

## Description

Handpumps are typically used to drive a hydraulic cylinder in case of an emergency. The working principle is based upon a piston / plunger and these pumps are usually equipped with a removable lever.

## Technical Data

Displ. per stroke: 3 ccm (single stage)  
 Displ. per stroke: 3 / 36 ccm (double stage)  
 Pressure: up to 550 bar (7.800 psi)  
 Temperature range: -25°C to +60°C  
 -13°F to 140°F

## Media

Mineral oil, HFA, tap water, water glycol  
Others please contact factory

## Function

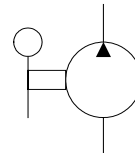
The pump houses both suction and pressure valve. Reciprocating the lever makes the pump deliver fluid to the system.

The lever can be separated from the pump making the pump a robust and compact device.

## Options

- The pump is available in different sizes
- A stainless steel version besides the anodised aluminum version is available as well.
- The pump is suitable for use with tap water and hydraulic oil.
- Further options (material, media etc.) upon request
- Port size and type
- Pump can be body-ported and block-mount design.
- If required, the pump can be supplied with an additional isolation valve at the pressure port
- An integrated reservoir can be offered.
- For higher flow, a double stage version is available

## Symbol



## Material

The pump housing is made of anodised aluminum. All wetted parts inside the valve are made of non-corrosive materials (stainless steel, ceramic balls).

As an option, a stainless steel pump housing can be offered.

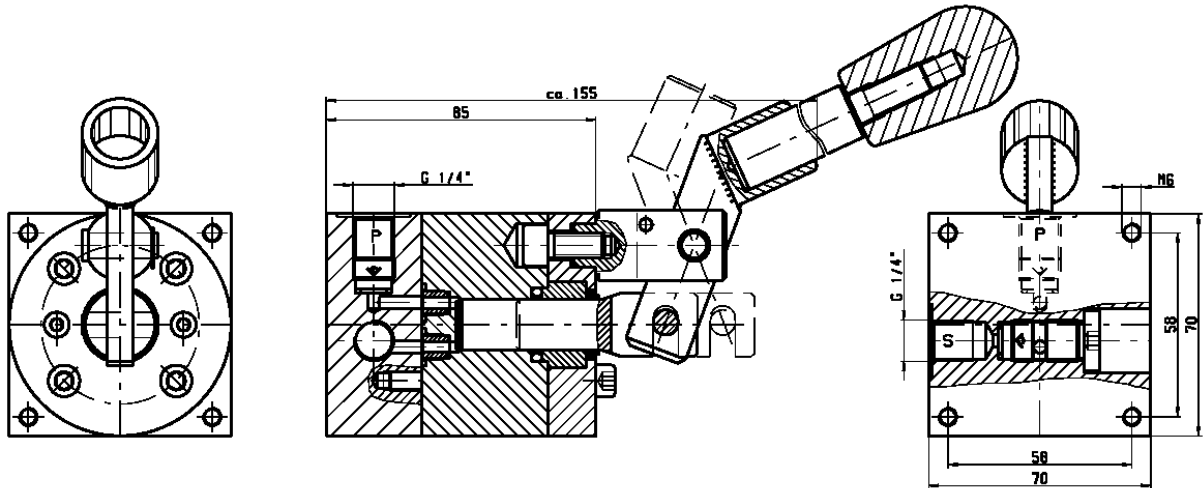
## Ports

If the pump is body ported, please contact factory to determine the port size and type.

## Photographic view (single stage)



**Design (body-ported example, single stage)**



**Design (body-ported example, double stage)**

