Technical Catalogue
Catalogo Tecnico

EN / IT

# Hand pumps
# RHP-Type

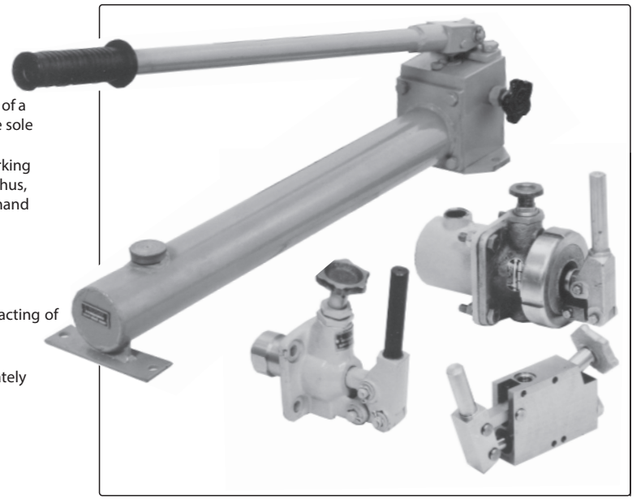
Revortex

Innovation + High Performance + Durability

Revortex

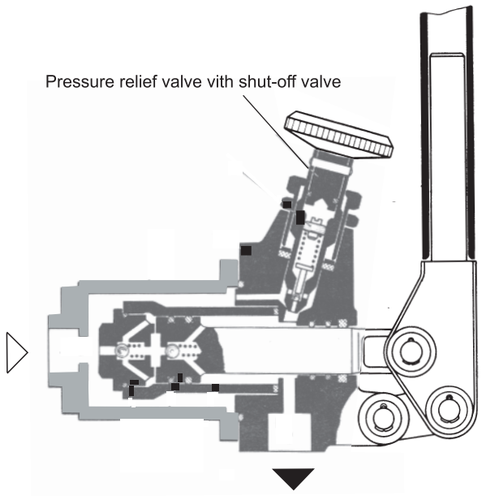
# Revortex
# Hand pumps

PISTON PUMP, HIGH PRESSURE, FOR GENERAL AND SPECIAL PURPOSE

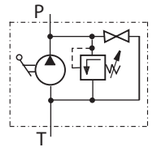
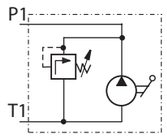


- They are found in a number of systems, mainly as a substitute in case of a motor pump failure, but there are also systems in which they are the sole source of energy
- Most of pumps include appropriate pressure relief valves and working liquid tanks, and some types include one or two directional valves. Thus, it is possible to construtc a complete hydraulic system including a hand pump and cylinders as executors
- Types of the pumps:
  - one stage pumps with flow (suction + pressure) at one cycle
  - two stage pumps with two flows at one cycle, depends of pressure
- Revortex hand pumps can be applied to system including single - acting of double - acting cylinders
- Hand pumps provides for high operating reliability
- These pumps are manufactured from high quality materials, adequately theat treated and electro - plated.
- Working fluid:
  - mineral hydraulic oil
  - viscosity 20 ... 400 mm $^2/_s$
  - temperature -20 to +70 °C

**SECTION - MODE OF OPERATION** (hand pump 40-400/2)

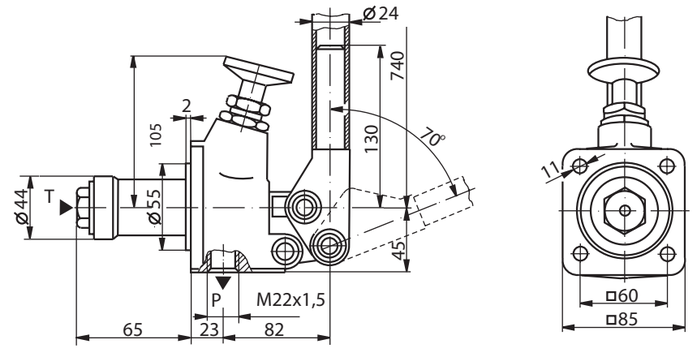


**TECHNICAL DATA**

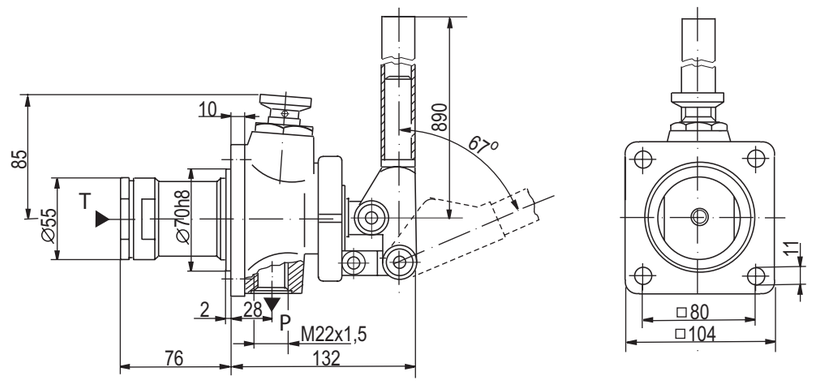
| Designation | RHP 40-400/1 | RHP 1680800 | RHP 40-508.500 |
|---|---|---|---|
| Symbol |  | |  |
| Mounting position | Optional | | |
| Displacement per a cycle (cm$^3$) | 24 | 50 | 5,8 |
| Preset valve pressure (bar) | 150 | 110 | 200 |
| Mass (kg) | 3,0 | 5,6 | 1,5 |

**MOUNTING DRAWING** (dimensions in mm)

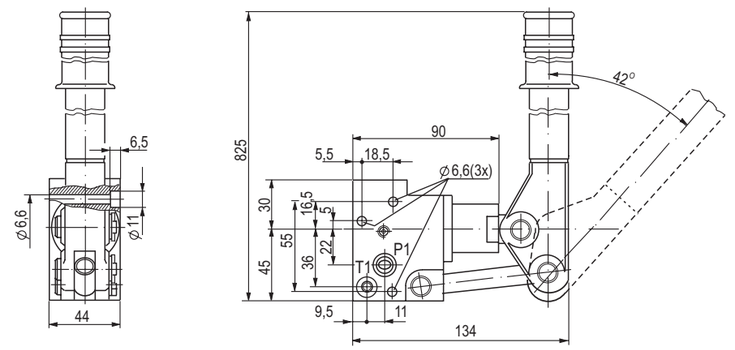
RHP 40-400/1




RHP 1680800

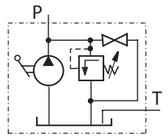
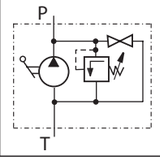
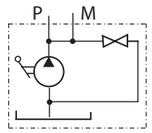



RHP 40-508.500



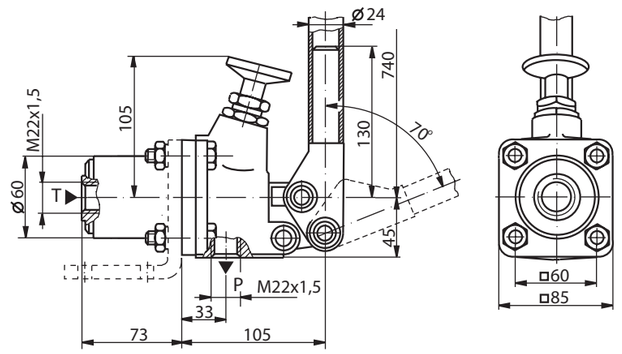

Innovation + High Performance + Durability

## TECHNICAL DATA

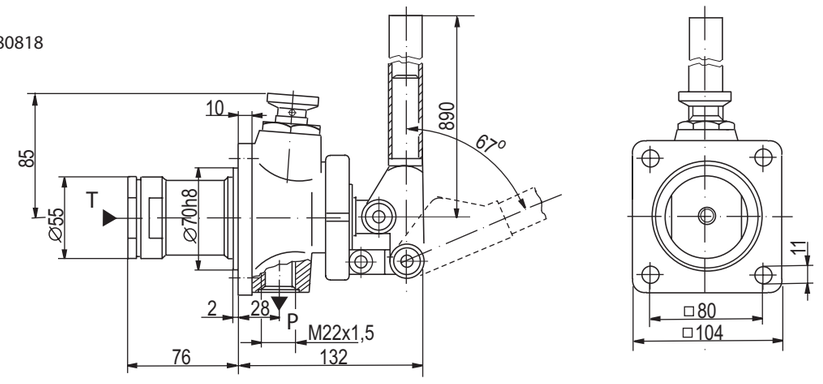
| Designation | RHP 40-400/2 | RHP 1680818 | RHP 40-512.000 | RHP 40-028/3000 |
|---|---|---|---|---|
| Symbol |  | |  |  |
| Mounting position | Optional | | | Horizontal, air vent at the highest point |
| Displacement per a cycle (cm³) | 24 | 50 | 12 | 0,28 |
| Preset valve pressure (bar) | 150 | 110 | 320 | 3000 |
| Tank volume ( l ) | - | - | - | 1 |
| Mass (kg) | 4,3 | 7,3 | 2,0 | 7,5 |

## MOUNTING DRAWING (dimensions in mm)

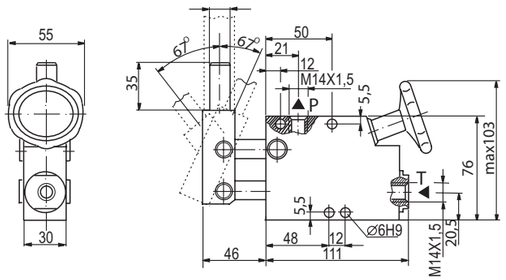
RHP 40-400/2



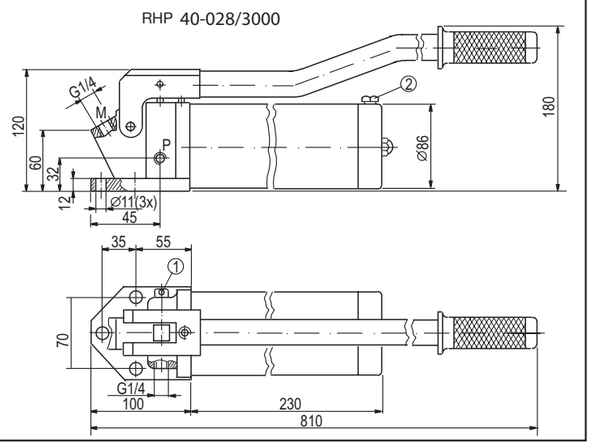

RHP 1680818




RHP 40-512.000

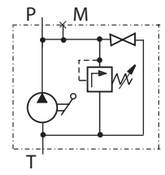
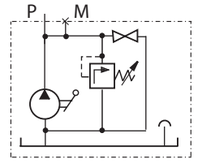



RHP 40-028/3000



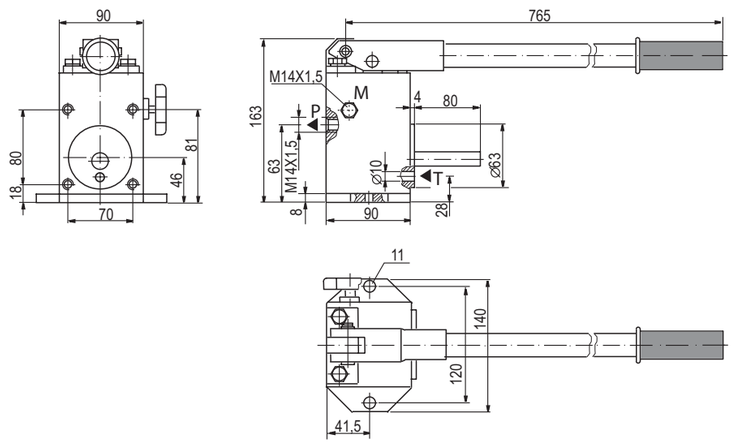



## TECHNICAL DATA

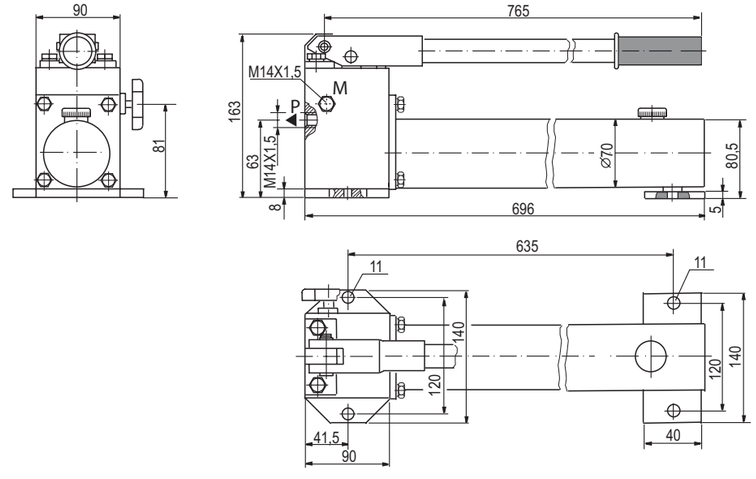
| Designation | RHP 12-21100 | RHP 12-21100-2 |
|---|---|---|
| Symbol |  |  |
| Mounting position | Optional | |
| Displacement per a cycle (cm³) | 1 | 1 |
| Preset valve pressure (bar) | 1500 | 1500 |
| Tank volume ( l ) | - | 1,7 |
| Mass (kg) | 16,5 | 20,6 |

## MOUNTING DRAWING (dimensions in mm)

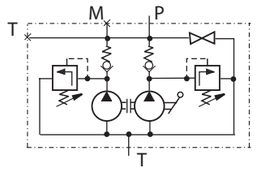
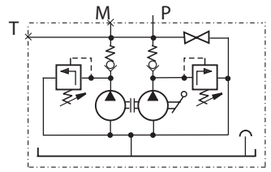
RHP 12-21100




RHP 12-21100-2

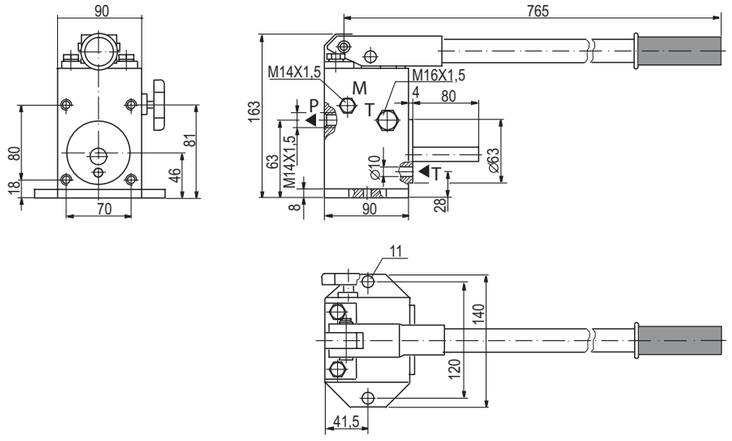


## TECHNICAL DATA

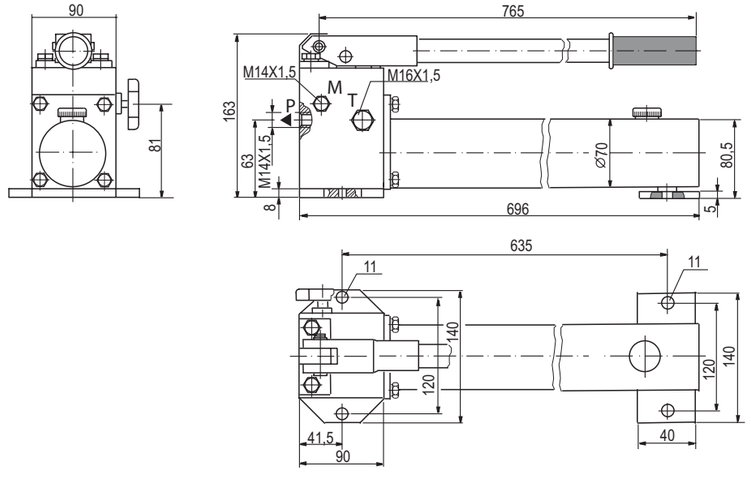
| Designation | RHP 12-21000 | RHP 12-21000-2 |
|---|---|---|
| Symbol |  |  |
| Mounting position | Optional | |
| Displacement per a cycle (cm³) | 7,5 + 1,5 | 7,5 + 1,5 |
| Preset valve pressure (bar) | 63 / 630 | 63 / 630 |
| Tank volume (l) | - | 1,7 |
| Mass (kg) | 17,2 | 21,3 |

## MOUNTING DRAWING (dimensions in mm)

RHP 12-21000

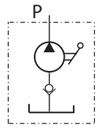
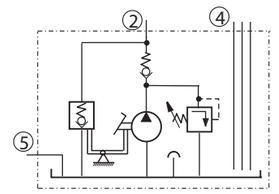



RHP 12-21000-2



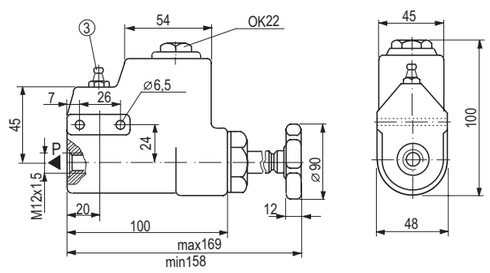



## TECHNICAL DATA

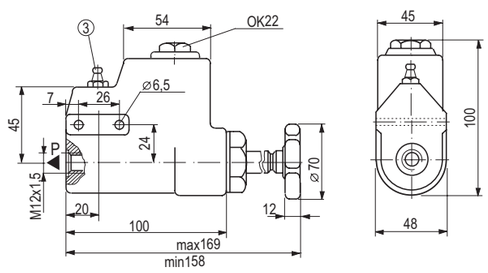
| Designation | RHP 40-503.600 | RHP 40-503.600/1 | RHP 40-510.000 | RHP 40-507.000 |
|---|---|---|---|---|
| Symbol |  | |  | |
| Mounting position | Vertical, air vent at the highest point | | | |
| Displacement per a cycle (cm³) | 3,6 | | 10 | 7 |
| Preset valve pressure (bar) | 100 | | 60 | 60 |
| Tank volume (l) | 0,055 | | 1,2 | 0,8 |
| Mass (kg) | 1 | | | |

## MOUNTING DRAWING (dimensions in mm)

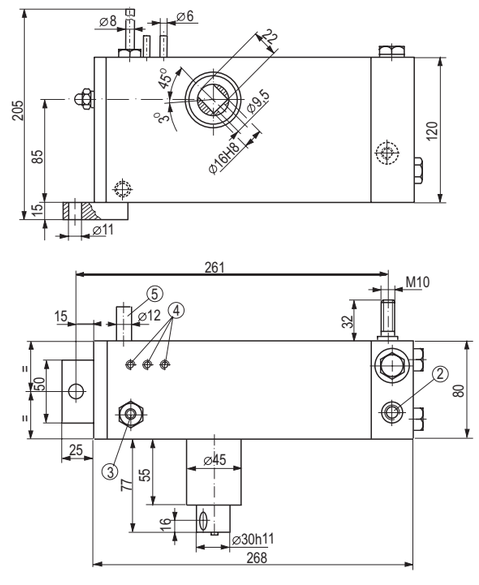
RHP 40-503.600



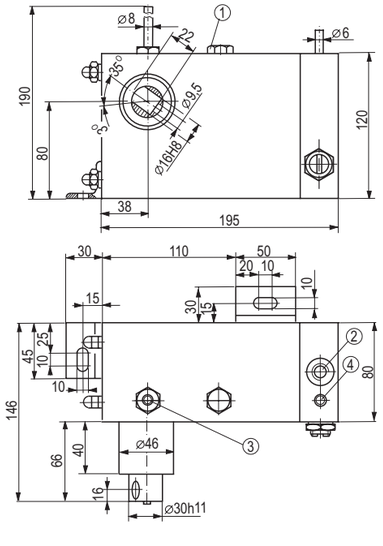

RHP 40-503.600/1




RHP 40-510.000

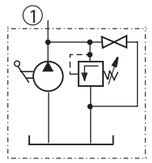
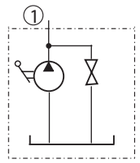



RHP 40-507.000



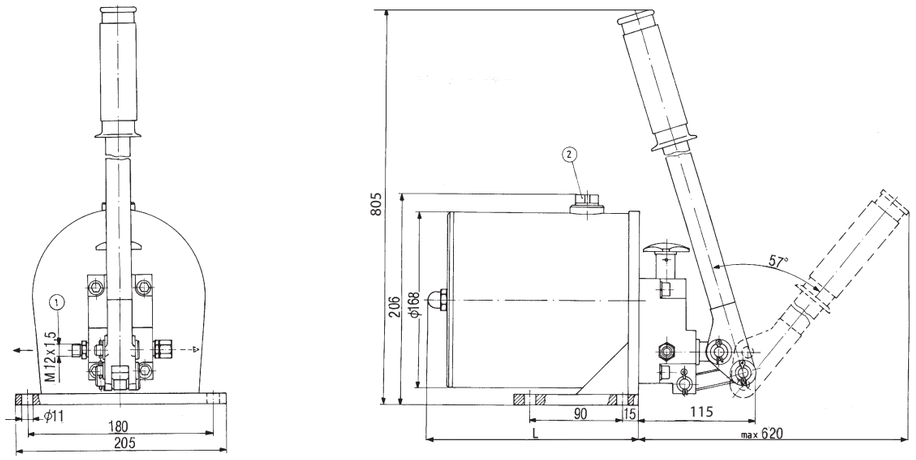

① Level indicator ② Pressure line ③ Air vent ④ Draining line ⑤ Connection to another tank

## TECHNICAL DATA

| Designation | RHP 40-512.500/3 | RHP 40-512.500/5 | RHP 40-520.000 |
|---|---|---|---|
| Symbol |  | |  |
| Mounting position | Horizontal, air vent at the highest point | | |
| Displacement per a cycle $(cm)^3$ | 12,5 | | 20 |
| Preset valve pressure (bar) | 300 | | 150 |
| Tank volume (l) | 3 | 5 | 4 |
| Mass (kg) | 10 | 10,2 | |

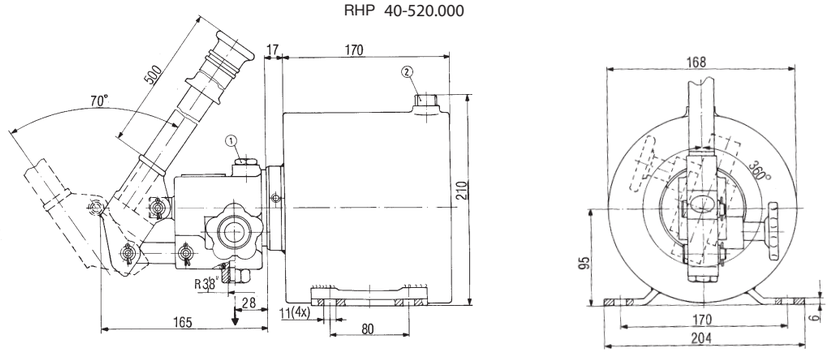
## MOUNTING DRAWING (dimensions in mm)

RHP 40-512.500/3
RHP 40-512.500/5




| | L |
|---|---|
| RHP 40-512.500/3 | 204 |
| RHP 40-512.500/5 | 284 |

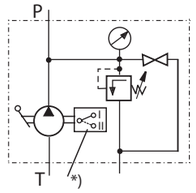
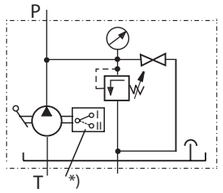
RHP 40-520.000




① Outlet port for ∅6 pipe ② Oil filing with air vent



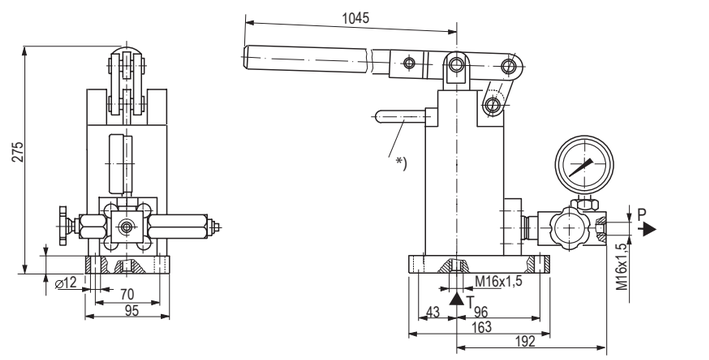
## TECHNICAL DATA

| Designation | RHP 86-34400 | RHP 86-34450 |
|---|---|---|
| Symbol |  |  |
| Mounting position | Horizontal, air vent at the highest point | |
| Displacement per a cycle $(cm)^3$ | 32 + 2 | |
| Preset valve pressure (bar) | 60 / 1000 | |
| Tank volume (l) | - | 10 |
| Mass (kg) | 4,5 | 19,8 |

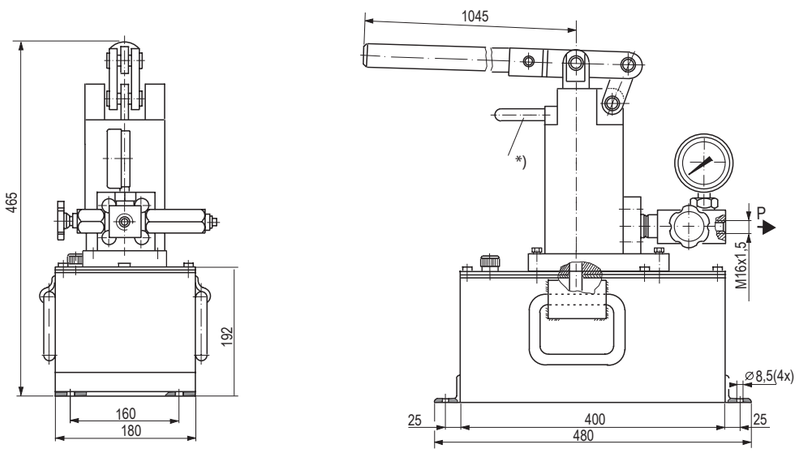
*) Displacement selection by lever

## MOUNTING DRAWING (dimensions in mm)

RHP 86-34400




RHP 86-34450



## WARNING

Errors in the selection or use of the products and / or systems described, can cause serious personal injury and property damage.
It is critical that all aspects of the application and the operating conditions and products chosen are analyzed and re-examined.
Making own tests and evaluations, the user is the only one able to ensure compliance with performance, safety and cautionary use requirements.

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