

HP-1.5
HP-3.0
HP-5.0



Hand Operated Pump **Håndpumpe**



The HP pump is a single acting hand operated pump made of stainless steel St.1.4301 making it particularly applicable within the food industry and in environmentally sensitive areas, designed for both oil and water hydraulics.

Application

The pump is designed for simple lifting functions and is used e.g. together with stainless hydraulic cylinders on work platforms and lifting tables or as a standby pump.

Specifications

The HP pump is equipped with a built-in check and release valve and is as standard. Available with built-in fluid reservoir and mounting plate.

The HP pump fluid reservoir has a standard capacity of 0.7 litres, but can be made to suit individual demands.

The HP pump is also available with a double tank connection or as a pump unit designed for external tank connection.

Installation.

Please notice, the hand pump may only be installed in a vertical position.

Filling of reservoir

Oil hydraulics

Fill 0.7 litres of oil in the reservoir, oil viscosity 17 or 22.

Water hydraulics

Fill 0.7 litres of water (tap water) in the reservoir.

When using the pump in an area with risk of frost use a mix of min. 30% glycol and 70% water.



HP pumpen er en enkeltvirkende, rustfri håndpumpe fremstillet i W.St. 4301 og er særdeles velegnet til fødevarerindustrien og i miljøfølsomme områder, hvor den kan anvendes til både olie og vanddrift.

Anvendelse

Pumpen er fremstillet til enkle løfteanlæg og anvendes for eksempel sammen med rustfri hydraulikcylindre på arbejdsplatforme og løfteborde eller som nødpumpe.

Specifikationer

HP pumpen er med indbygget kontraventil og aflastningsventil og leveres standard med indbygget tank og monteringsbeslag.

HP pumpens tankkapacitet er standard på 0,7 liter, men kan varieres, så den tilpasses den enkeltes behov.

HP pumpen leveres også med dobbelt tank tilslutning eller som separat pumpeenhed beregnet til ekstern tank-tilslutning.

Installation

Venligst bemærk, håndpumpen kun må monteres i lodret position.

Tank påfyldning

Oliedrift

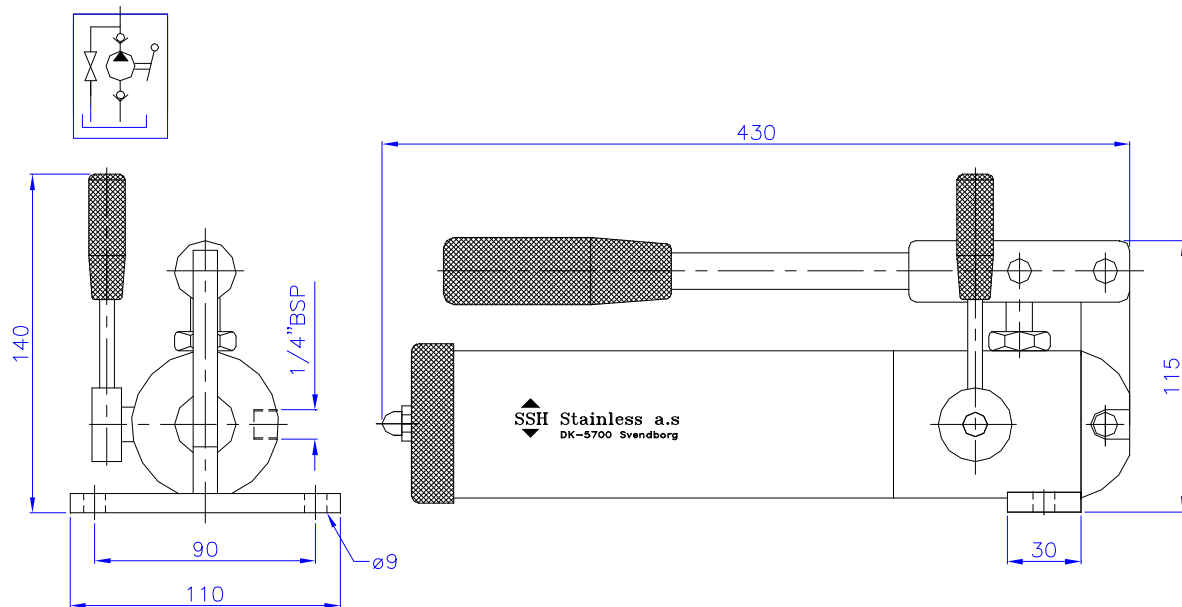
Tanken påfyldes 0,7 ltr. olie med viskositet 17 eller 22.

Vanddrift

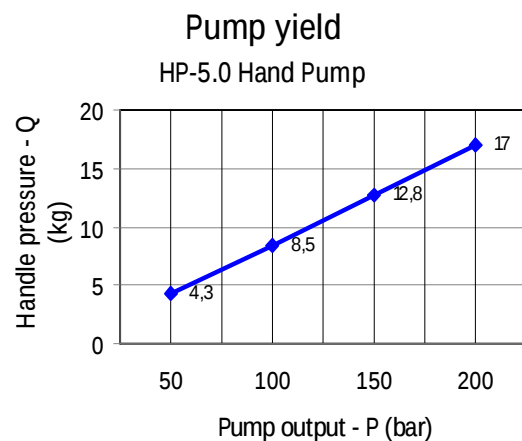
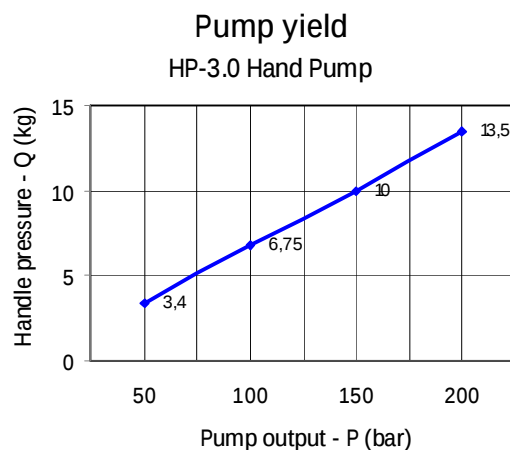
Tanken påfyldes 0,7 liter vand (ledningsvand).

Anvendes pumpen i områder med risiko for frost påfyldes en blanding med min. 30% glykol og 70% vand.

HP- 1.5 / 3.0 / 5.0 LH Hand Operated Pump



Ordering code	Pressure medium	Pump pressure	cc per stroke	Reservoir	Connection	Weight
HP- x1 - LH	Oil or water	200 bar	1.5 / 3.0 / 5.0	0.7 L	1/4\"BSP	3.5 kg



Please state cc **x1** per stroke when ordering:



x1: 5.0 cc per stroke
Ordering code: **HP-5.0-LH**

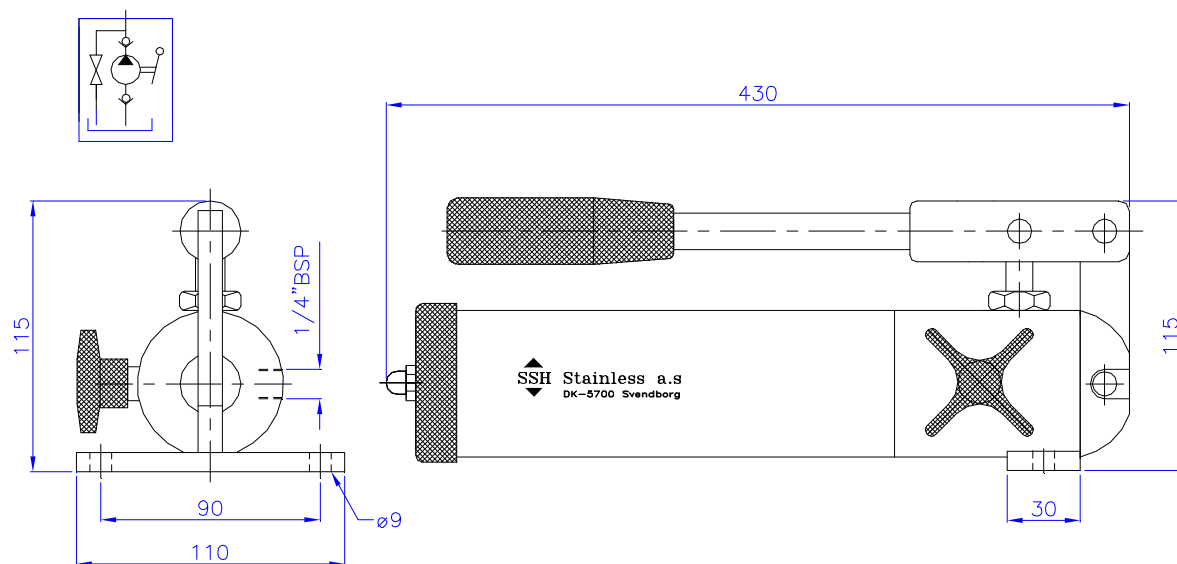
Venligst oplys cm³ **x1** pr. slag ved ordre:



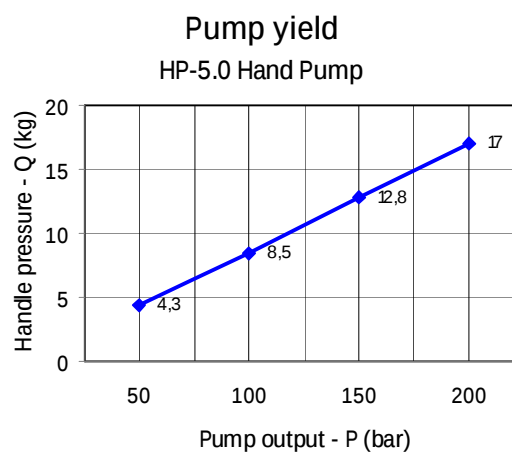
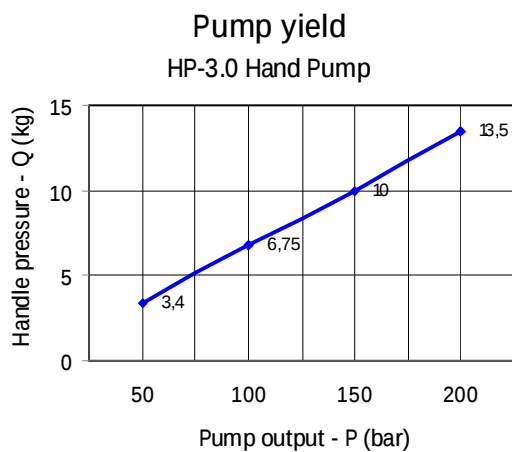
x1: 5.0 cm³ pr. slag



HP- 1.5 / 3.0 / 5.0 KH Hand Operated Pump



Ordering code	Pressure medium	Pump pressure	cc per stroke	Reservoir	Connection	Weight
HP- x1- KH	Oil or water	200 bar	1.5 / 3.0 / 5.0	0.7 L	1/4" BSP	3.5 kg



Please state cc **x1** per stroke when ordering:



x1: 5.0 cc per stroke
Ordering code: **HP-5.0-KH**

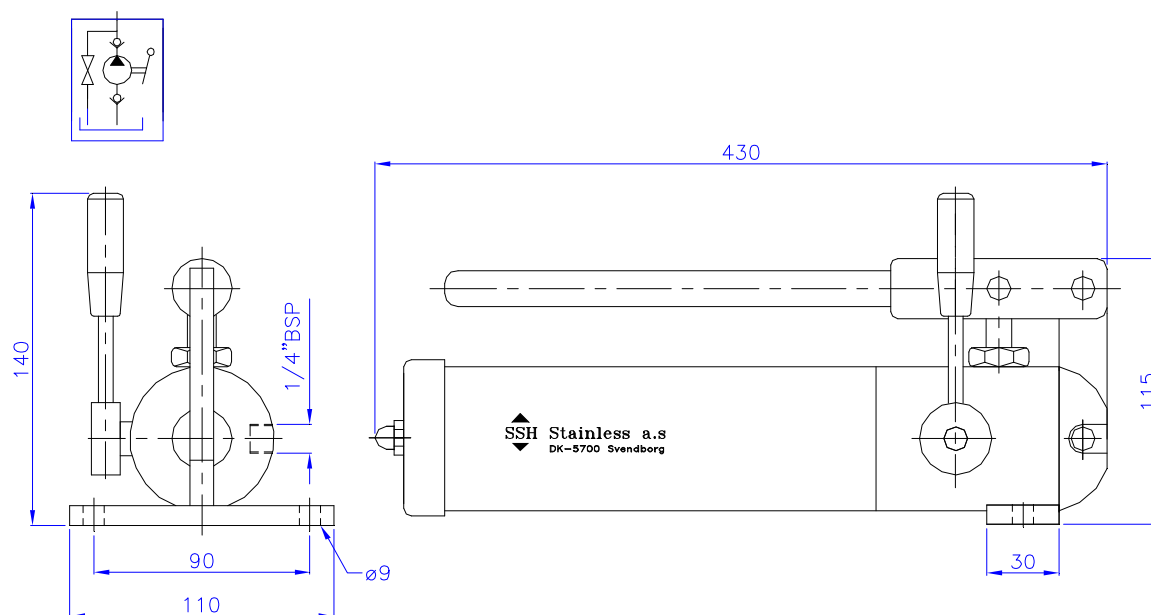
Venligst oplys cm³ **x1** pr. slag ved ordre:



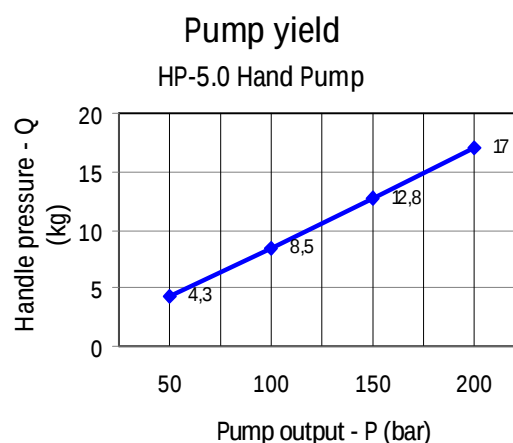
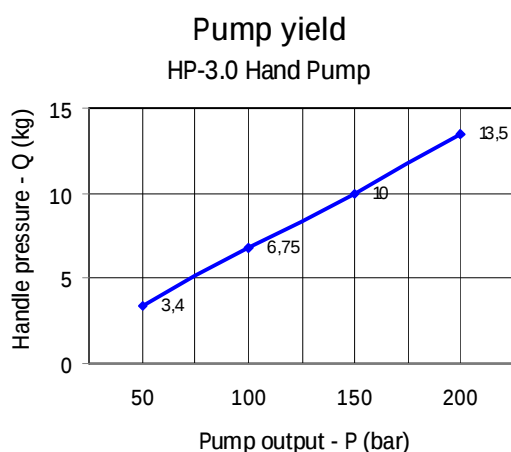
x1: 5.0 cm³ pr. slag
Ordre kode: **HP-5.0-KH**



HP- 1.5 / 3.0 / 5.0 LH-RF Hand Operated Pump All stainless



Ordering code	Pressure medium	Pump pressure	cc per stroke	Reservoir	Connection	Weight
HP- x1 -LH-RF	Oil or water	200 bar	1.5 / 3.0 / 5.0	0.7 L	1/4\"BSP	3.5 kg



Please state cc **x1** per stroke
when ordering:



x1: 5.0 cc per stroke
Ordering code: **HP-5.0-LH-RF**

Venligst oplys cm³ **x1** pr. slag
ved ordre:

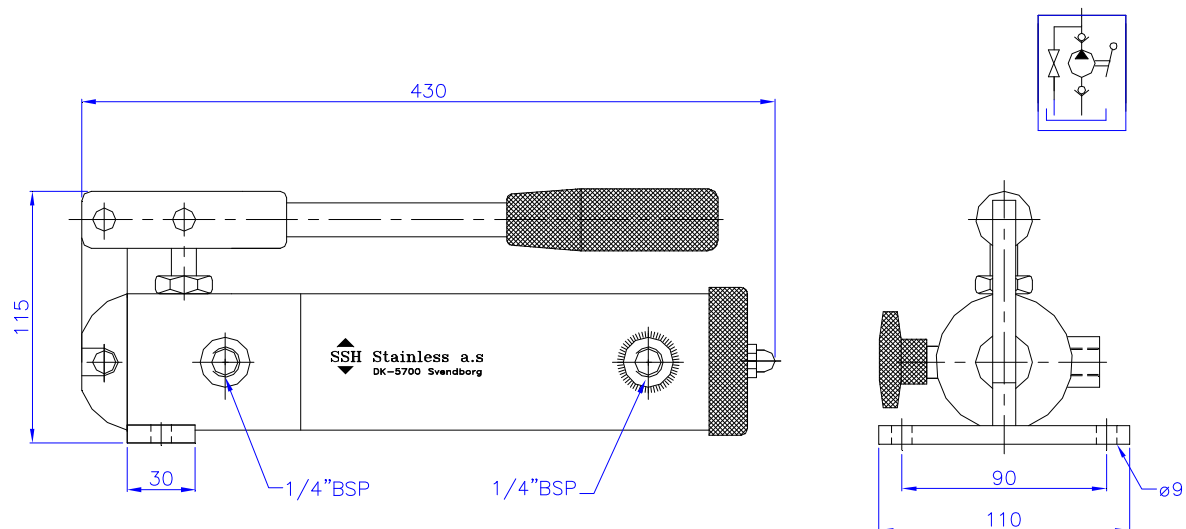


x1: 5.0 cm³ pr. slag
Ordre kode: **HP-5.0-LH-RF**

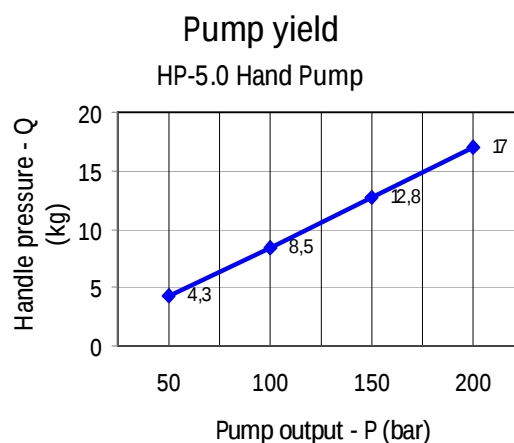
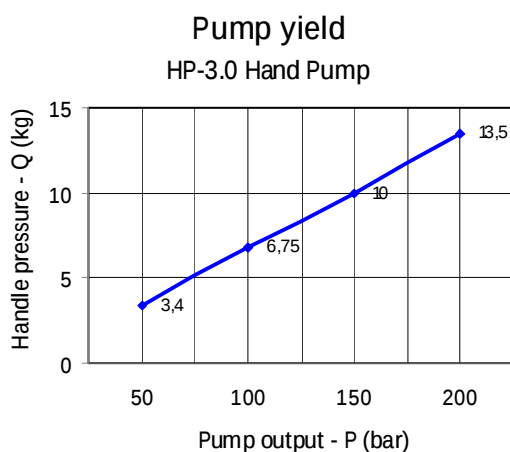


HP-D-1.5 / 3.0 / 5.0-KH Hand Operated Pump with external tank connection.

For combination with NRV 4/3-P-1/4" BSP valve, operating double acting hydraulic cylinder



Ordering code	Pressure medium	Pump pressure	cc per stroke	Reservoir	Connection	Weight
HP-D- x1 - KH	Oil or water	200 bar	1.5 / 3.0 / 5.0	0.7 L	1/4" BSP	3.5 kg



Please state cc **x1** per stroke when ordering:



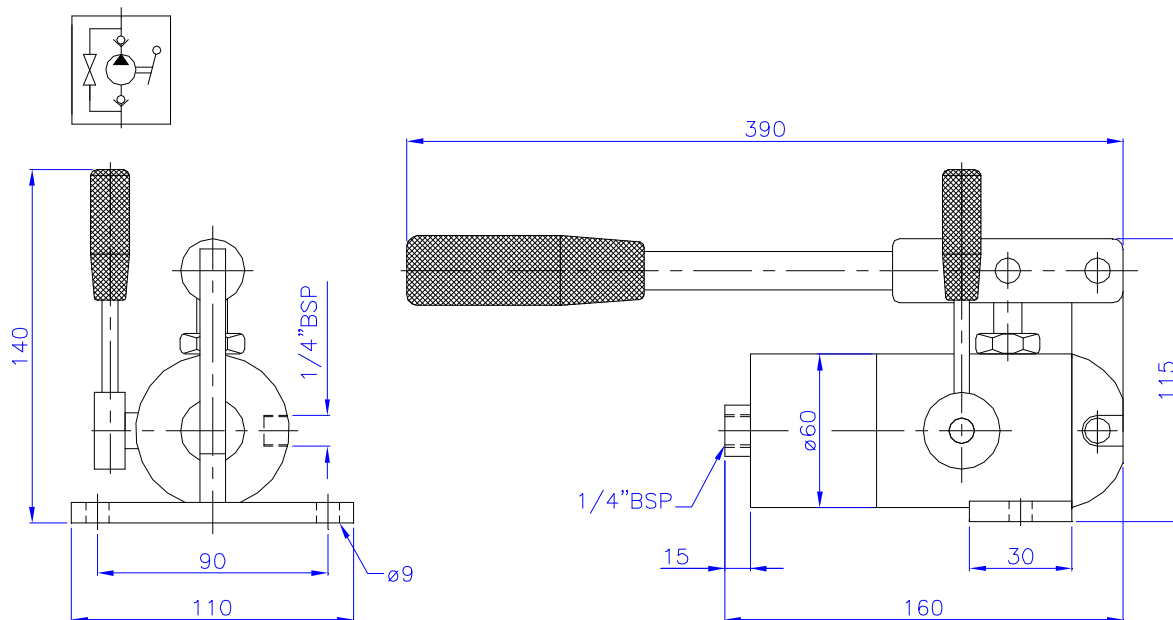
x1: 5.0 cc per stroke
Ordering code: **HP-D-5.0-KH**

Venligst oplys cm³ **x1** pr. slag ved ordre:

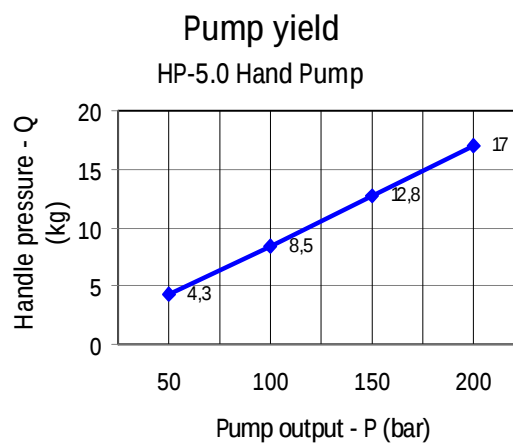
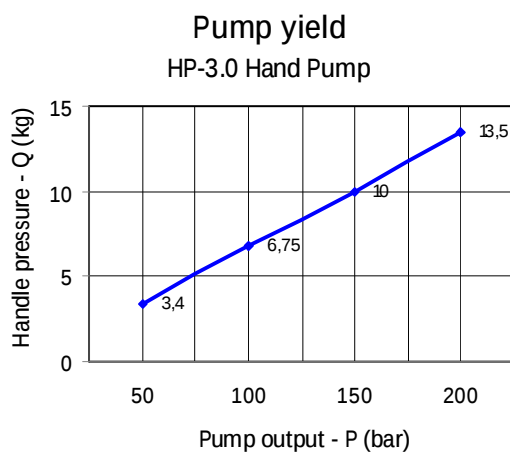


x1: 5.0 cm³ pr. slag
Ordre kode: **HP-D-5.0-KH**

HP-K-1.5 / 3.0 / 5.0-LH Hand Operated Pump without reservoir



Ordering code	Pressure medium	Pump pressure	cc per stroke	Reservoir	Connection	Weight
HP-K- x1-LH	Oil or water	200 bar	1.5 / 3.0 / 5.0	N/A	1/4\"BSP	3.5 kg



Please state cc **x1** per stroke
when ordering:



x1: 5.0 cc per stroke
Ordering code: **HP-K-5.0-LH**

Venligst oplys cm³ **x1** pr. slag
ved ordre:



x1: 5.0 cm³ pr. slag
Ordre kode: **HP-K-5.0-LH**



Hand Operated Pump Håndpumpe

HP-10



The HP pump is a hand pump made of stainless steel W.St.1.4301 making it particularly applicable within the food industry and in environmentally sensitive areas, designed for both oil and water hydraulics.

Application

The pump is designed for simple lifting functions and is used e.g. together with stainless hydraulic cylinders on work platforms and lifting tables or as a standby pump.

Specifications

The HP pump has 10 cm³ stroke per cycle and is equipped with a built-in check and release valve. Standard available with built-in fluid reservoir and mounting bracket.

The HP pump fluid reservoir has a standard capacity of 1.5 litres, but can be made to suit individual demands.

Installation

By moving the 3/8" BSP venting cap the hand pump is suitable for both vertical and horizontal installation.

Filling of reservoir

Oil hydraulics

Fill 1.5 litres of oil in the reservoir, oil viscosity 17 or 22.

Water hydraulics

Fill 1.5 litres of water (tap water) in the reservoir.

When using the pump in an area with risk of frost use a mix of min. 30% glycol and 70% water.



HP pumpen er en rustfri håndpumpe fremstillet i W.St. 4301 som er særdeles velegnet til fødevareindustrien og i miljøfølsomme områder, hvor den kan anvendes til både olie og vanddrift.

Anvendelse

Pumpen er fremstillet til enkle løfteanlæg og anvendes for eksempel sammen med rustfri hydraulikcylindre på arbejdsplatforme og løfteborde eller som nødpumpe.

Specifikationer

HP pumpen har 10 cm³ slag pr. cyklus og er med indbygget kontraventil og aflastningsventil. Leveres standard med indbygget tank og monteringsbeslag.

HP pumpens tankkapacitet er standard på 1,5 liter, men kan varieres, så den tilpasses den enkeltes behov.

Installation

Ved at flytte den 3/8" BSP ventilationshætte er håndpumpen velegnet til både vandret og lodret montering.

Tank påfyldning

Oliedrift

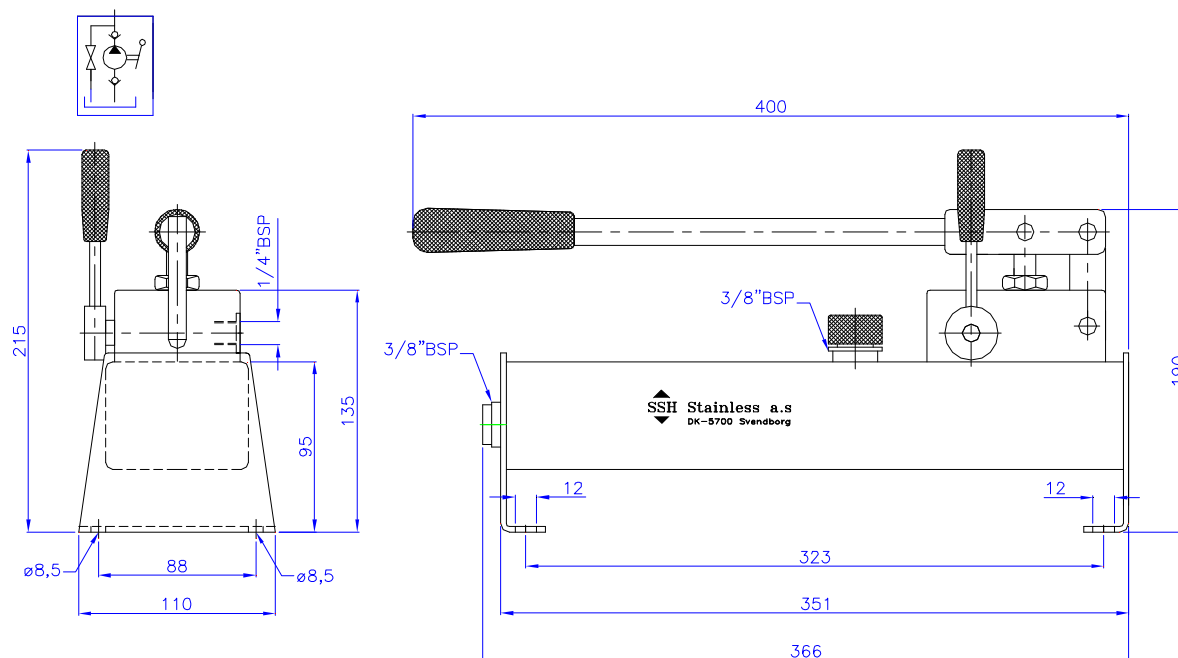
Tanken påfyldes 1,5 ltr. olie med viskositet 17 eller 22.

Vanddrift

Tanken påfyldes 1,5 liter vand (ledningsvand).

Anvendes pumpen i områder med risiko for frost påfyldes en blanding med min. 30% glykol og 70% vand.

HP-10 Hand Operated Pump



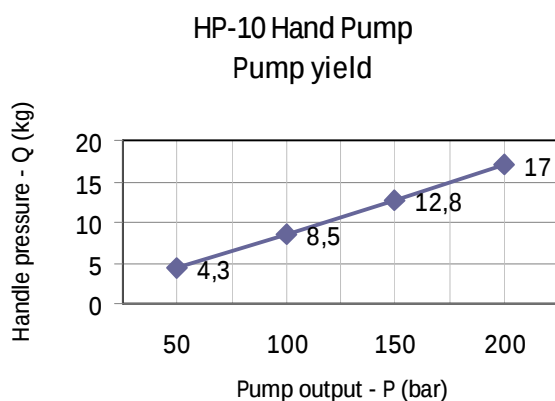
Ordering code	Pressure medium	Pump pressure	cc per cycle	Reservoir	Connection	Weight
HP-10	Oil or water	200 bar	10	1.5 L *	1/4" BSP	5 kg

*) 2.0 and 3.5 L reservoirs available on request.

Ordering code: **HP-10**



Ordre kode: **HP-10**



HP-34 Hand Operated Pump

- without release valve

Håndpumpe

- uden aflastningsventil



The HP pump is a hand pump made of stainless steel W.St.1.4401 making it particularly applicable within the food industry and in environmentally sensitive areas, designed for oil hydraulics.

Application

The pump is designed for simple lifting functions and is used e.g. together with stainless hydraulic cylinders on work platforms and lifting tables or as a standby pump.

Specifications

The HP pump has 34 cm³ stroke per cycle and is available with or without a relief valve.

The HP pump is without reservoir.



HP pumpen er en rustfri håndpumpe fremstillet i W.St. 4401 som er særdeles velegnet til fødevareindustrien og i miljøfølsomme områder og er konstrueret til drift med olie.

Anvendelse

Pumpen er fremstillet til enkle løfteanlæg og anvendes for eksempel sammen med rustfri hydraulikcylindre på arbejdsplatforme og løfteborde eller som nødpumpe.

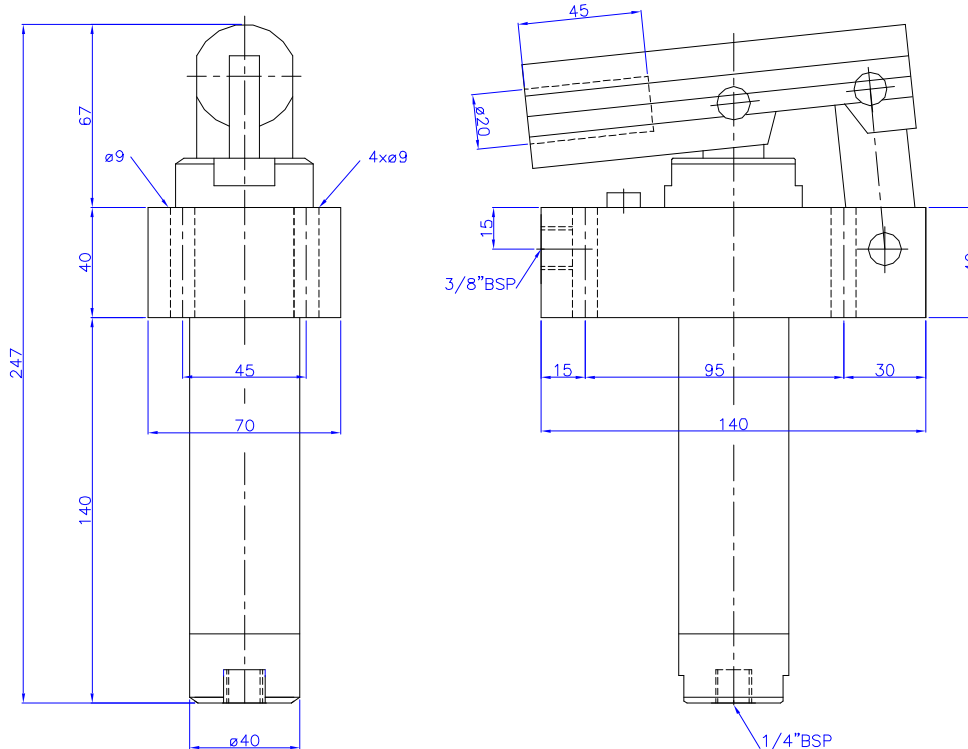
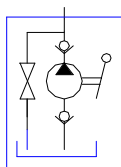
Specifikationer

HP pumpen har 34 cm³ slag pr. cyklus og leveres med eller uden aflastningsventil.

HP pumpen leveres uden tank.



HP-34 Hand Operated Pump

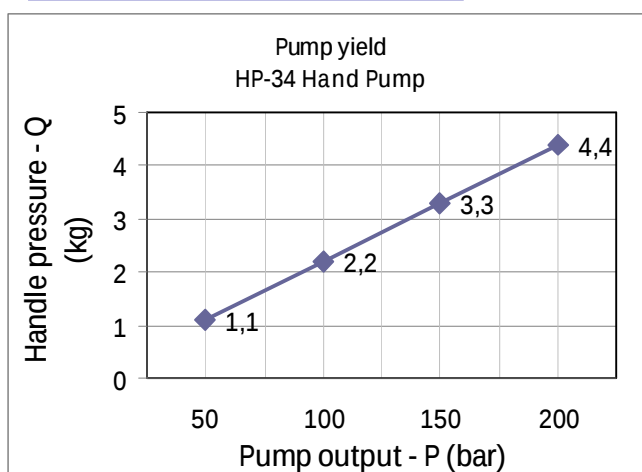


Ordering code	Pressure medium	Pump pressure	cc per cycle	Connection suction port	Connection pressure	Weight
HP-34	Oil	200	34	1/4\"BSP	1/2\"BSP	5.0 kg

Ordering code: **HP-34**



Ordre kode: **HP-34**



FPC-250 Pedal pump-cylinder unit

- with pulling cylinder

The FPC-250 combines a pedal operated pump with a pulling cylinder and an oil reservoir into a single stainless steel unit.

Application

FPC-250 is designed to be used for height adjustment of working platforms as an all-in-one hydraulic system.

Features

- ☑ Throttled retraction to prevent sudden drop of load
- ☑ Spring centered pedal
- ☑ Joint-like fixtures
- ☑ Cleaning friendly
- ☑ Sealed according to IP68
- ☑ Maintenance free
- ☑ Easy to install
- ☑ Customized pedal designs possible

Specifications

Stroke (standard)	Fluid
250 mm	Synthetic oil/ Water glycol
Pump/piston ratio	Contraction/stroke
1:5	10 mm
Reservoir	Weight
1.0 L	7 kg



Installation

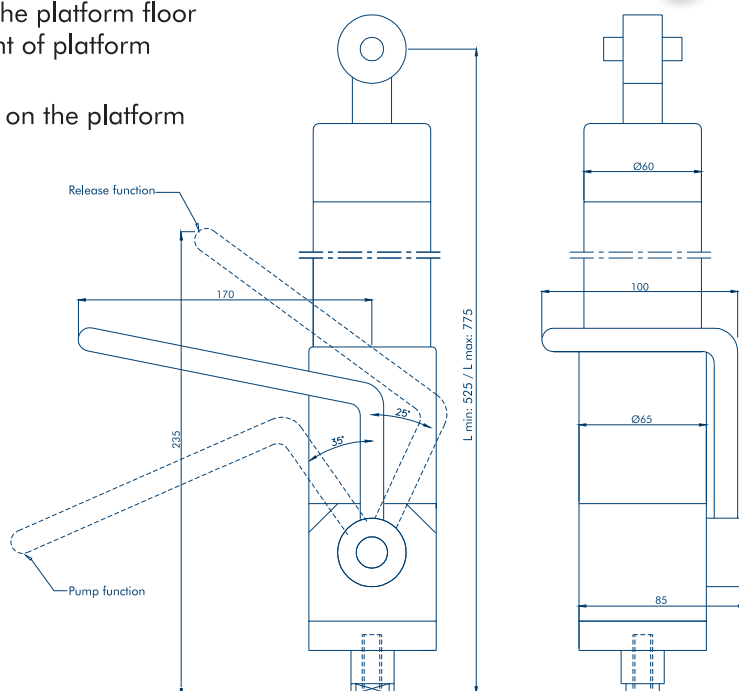
The lower joint-like fixture is attached to the platform floor and can compensate for a certain amount of platform misalignment.

The piston rod is hinged on a fork-fixture on the platform frame.

Hydraulics

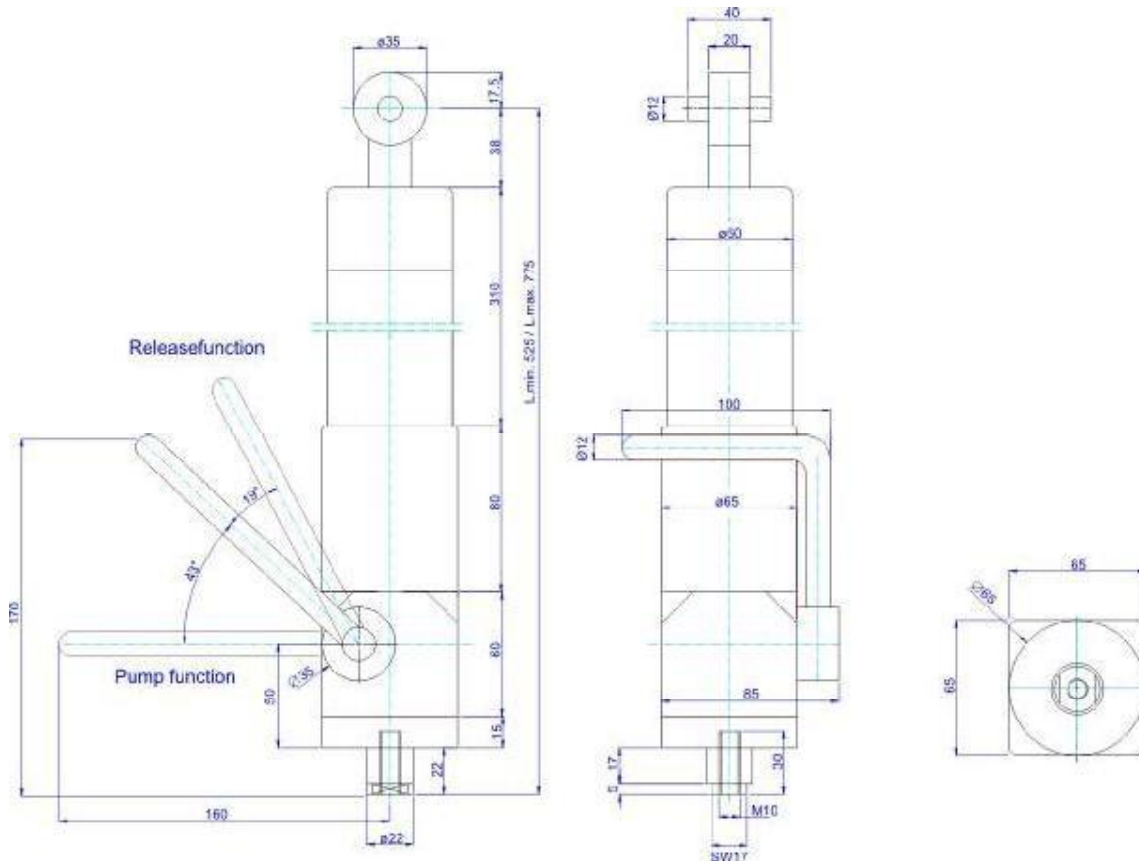
The FPC-250 is factory filled with hydraulic fluid (fulfilling NFS-H1 requirements) and virtually maintenance free.

The pump/cylinder piston area ration is 1:5, so a force of 1 kN applied to the pedal equals a cylinder pulling force of 5 kN.



FPC-250 Pedal Pump & Cylinder Unit

Dimension sketch



Stroke (standard)	Pressure fluid	Maximum pull	Pump/piston ratio	Contraction per stroke	Reservoir	Weight
250 mm	Mineral oil /Glycol	250 kg	1:5	10 mm	1.0 L	7 kg

Ordering code



Oil filled: **FPC-250**
Glycol filled: **FPC-250-WG**

Ordrekode



Oliefyldt: **FPC-250**
Glykolfyldt: **FPC-250-WG**

Oil type: **Castrol Optileb HY 32 (NSF-H1 approved)**
Glycol type: **Zitrec FC (FDA / NSF approved)**

FPCP-235 Pedal pump-cylinder unit

- with pushing cylinder

The FPCP-235 combines a pedal operated pump with a pushing cylinder and an oil reservoir into a single stainless steel unit.

Application

FPCP-235 is designed to be used for height adjustment or tilt jack on containers, trolleys etc. as an all-in-one hydraulic system.

Features

- ☑ Throttled retraction to prevent sudden drop of load
- ☑ Spring centered pedal
- ☑ Cleaning friendly
- ☑ Sealed according to IP68
- ☑ Maintenance free
- ☑ Easy to install
- ☑ Customized pedal designs possible

Specifications

Stroke (standard)	Fluid
235 mm	Synthetic oil/ Water glycol
Pump/piston ratio	Extraction/stroke
1:4	5 mm
Reservoir	Weight
0.8 L	6.5 kg

Installation

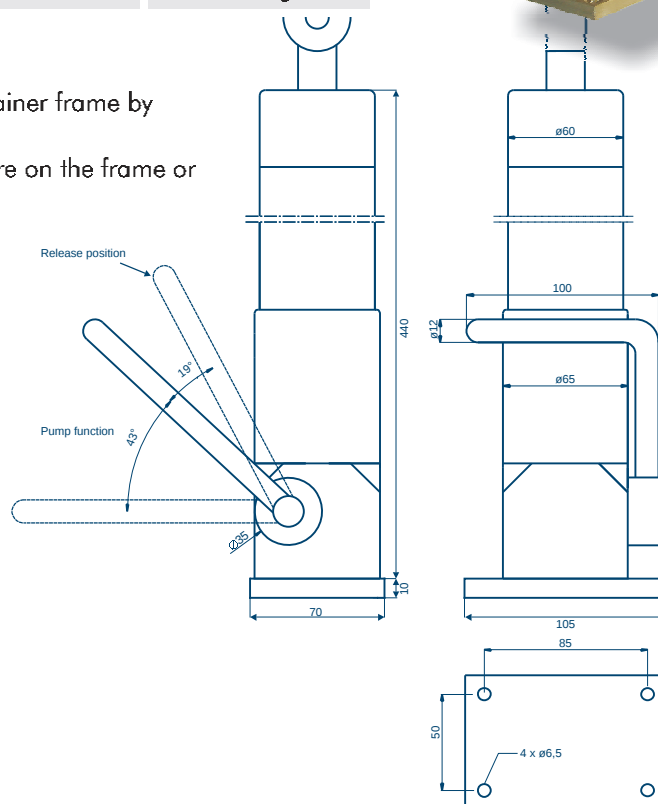
The lower base flange is attached to the container frame by means of four bolts.

The piston rod is either hinged on a fork-fixture on the frame or fitted with a customer designed end bracket.

Hydraulics

The FPCP-235 is factory filled with hydraulic fluid (fulfilling NFS-H1 requirements) and virtually maintenance free.

The pump/cylinder piston area ration is 1:4, so a force of 1 kN applied to the pedal equals a cylinder pushing force of 4 kN.



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FP-4.0-T Pedal pump

- with fluid reservoir

The FP-4.0-T is a compact, pedal operated hydraulic pump with integrated fluid reservoir.

Application

FP-4.0-T is designed to drive a single hydraulic cylinder, typically for height adjustment of working platforms, tables, beds or stretchers.

Features

- ☑ Pump and release function combined in pedal
- ☑ Throttled release flow to prevent sudden drop of load
- ☑ Spring centered pedal
- ☑ Maintenance free
- ☑ Easy to install
- ☑ Available with pedal fitted on left (V) or right (H) hand side.
- ☑ Customized pedal designs possible
- ☑ Available as FT 3.0-T with 3 cc/stroke displacement

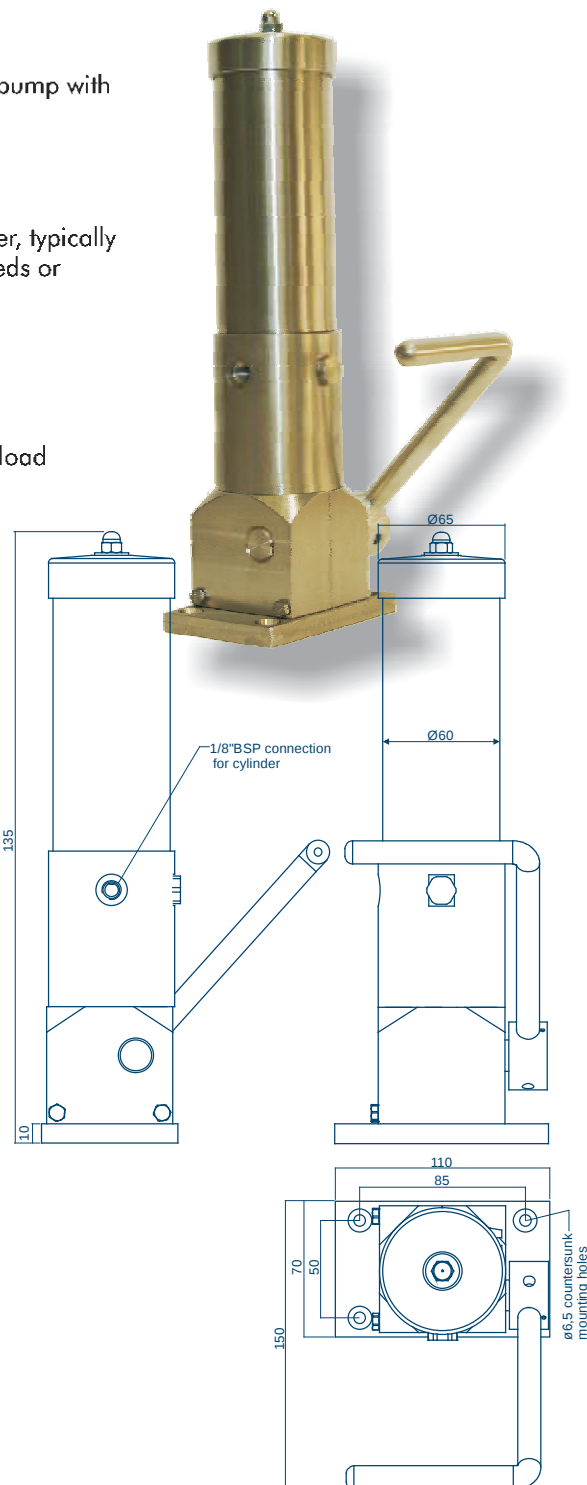
Installation

Installation is very simple: Fix the pump to the platform or the table frame by means of the four bolt holes in the pump base plate.

Connect the cylinder to the fluid outlet/return port of the pump.

Specifications

Displacement	Fluid
3.0 or 4.0 cc / stroke	Mineral oil Water glycol
Pressure	Weight
200 bar	4.2 kg
Reservoir	
0.35 L	



FP-3.5 Pedal pump

Operates two hydraulic cylinders in parallel

The FP-3.5 is a compact, pedal operated hydraulic pump with integrated non-return valves. The valves ensure stability by uneven loads on two-cylinder applications.

Application

FP-3.5 is designed to drive one or two hydraulic cylinders, typically for height adjustment of working platforms or tables.

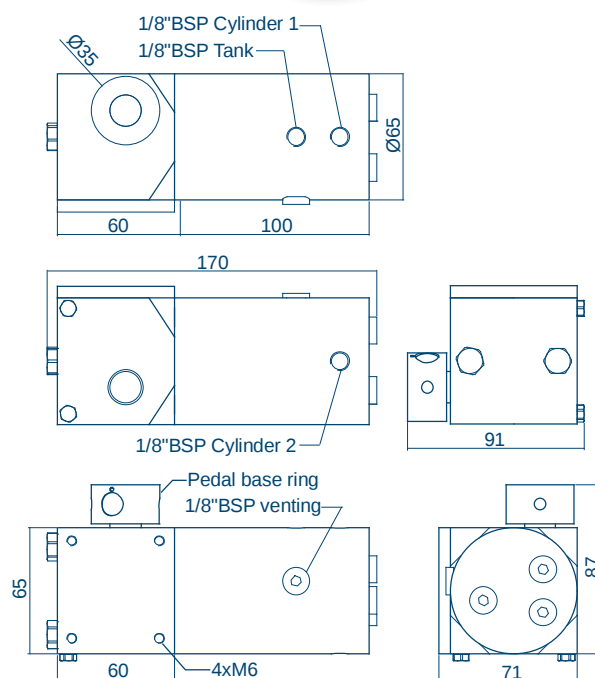
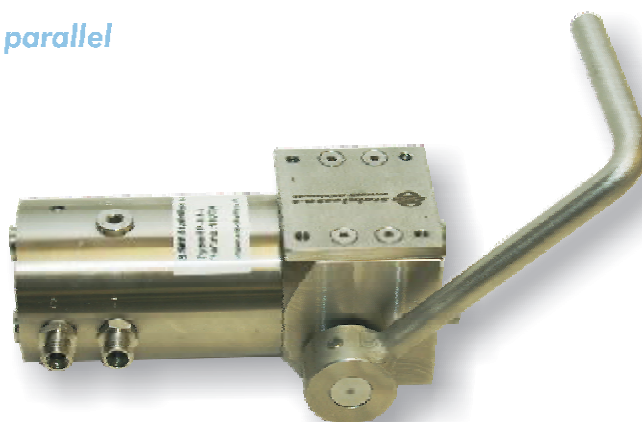
Features

- ☑ Pump and release function combined in pedal
- ☑ Throttled release flow to prevent sudden drop of load
- ☑ Spring centered pedal
- ☑ Non-return valves in outlet ports
- ☑ Maintenance free
- ☑ Easy to install
- ☑ Available with pedal fitted on left (V) or right (H) hand side.
- ☑ Customized pedal designs possible

Installation

On work platforms the pump can be installed under the platform base plate with the pedal protruding the plate.

FP-3.5 requires a separate oil tank to be installed. The tank connects to the "T" port. The cylinders are connected to the "C1" and "C2" ports on either side of the pump housing.



Specifications

Displacement	Fluid
3.5 cc / stroke	Mineral oil Water glycol
Pressure	Weight
200 bar	2.7 kg