

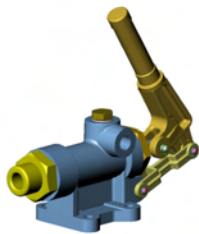


HYDRAULIC COMPONENTS
HYDROSTATIC TRANSMISSIONS
GEARBOXES - ACCESSORIES

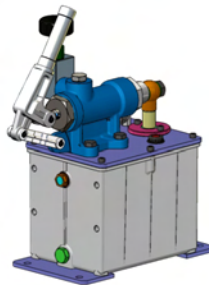
Via M.L. King, 6 - 41100 MODENA (ITALY)
Tel: +39 059 415 711
Fax: +39 059 415 729 / 059 415 730
INTERNET: <http://www.hansatmp.it>
E-MAIL: hansatmp@hansatmp.it

HT 20 / A / 305 / 0708 / E

Hydraulic Hand Pumps - Foot Pedal Pumps Air-Hydraulic Pumps - Accessories



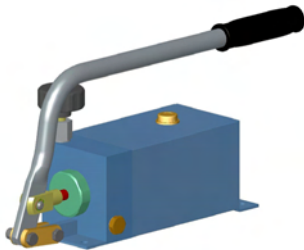
GL



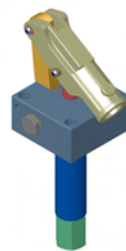
GLA



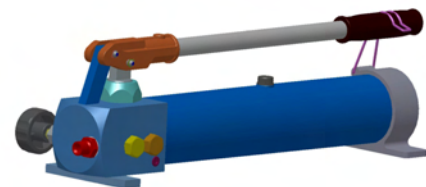
GL2 CN



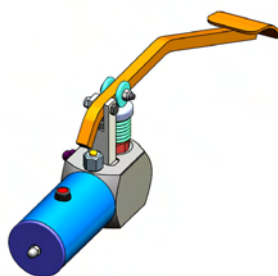
GLDE



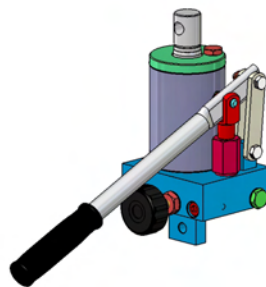
GL 277



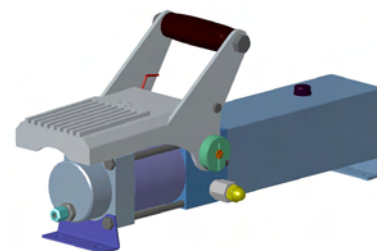
GL2P/Q



GLAPN



GTE



GLOP

Hydraulic Hand Pumps

This catalogue is published by:

HANSA-TMP S.r.l.
Via Martin Luther King, 6
41100 Modena (MO)
Italy

Issue n° **HT 20 / A / 305 / 0708 / E** (Replaces all previous edition)

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The specific data are for product description purposes only and must not be interpreted as warranted characteristics in legal sense.

Protection: external protection is generally with painting RAL 5015 (Blue), on liquid base for models with tank, while epoxy powder for models with cast iron housing.

Aluminium parts are anodized

Lever parts and others is partially zinc-coated.

Special protection are possible on request.

ASSEMBLY, COMMISSIONING AND MAINTENANCE OF THE PRODUCTS DESCRIBED IN THIS CATALOGUE:

See Handbook n° HT / M 20 / A / 100 / 96

The main performance curves and the specifications shown in this catalogue are obtained by using mineral based fluid ISO VG 46, with cleanliness class of 17/15/12 ISO 4406 (Class 7 NAS 1638) at a temperature of 50°C.

HYDRAULIC FLUIDS:

General properties:

The fluid must have physical lubricating and chemical properties suitable for use in hydraulic systems, such as, for example:

MINERAL OIL BASED HYDRAULIC FLUIDS HL (DIN 51524 part 1)

MINERAL OIL BASED HYDRAULIC FLUIDS HLP (DIN 51524 part 2)

For use of other fluids, environmentally friendly fluids or fire resistant fluids, please consult our Tech. Dpt.

Applications



Culvert cover lifter



Airport ground support equipment

Concrete truck mixer



Furniture press

Applications



Hydraulic starter for marine diesel engine



Special structures for disabled persons

All purpose platform






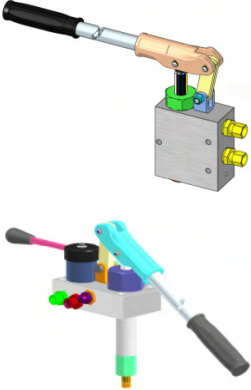
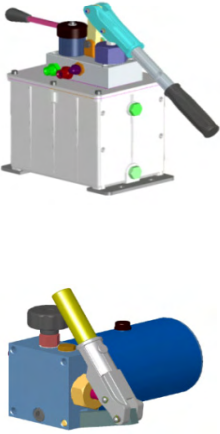
Aerial platform



Windmill



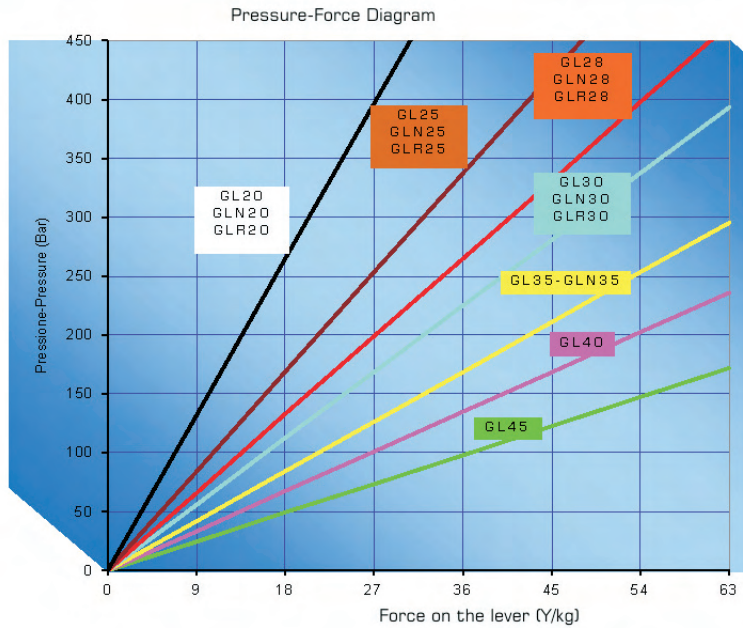
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Hydraulic Hand Pumps

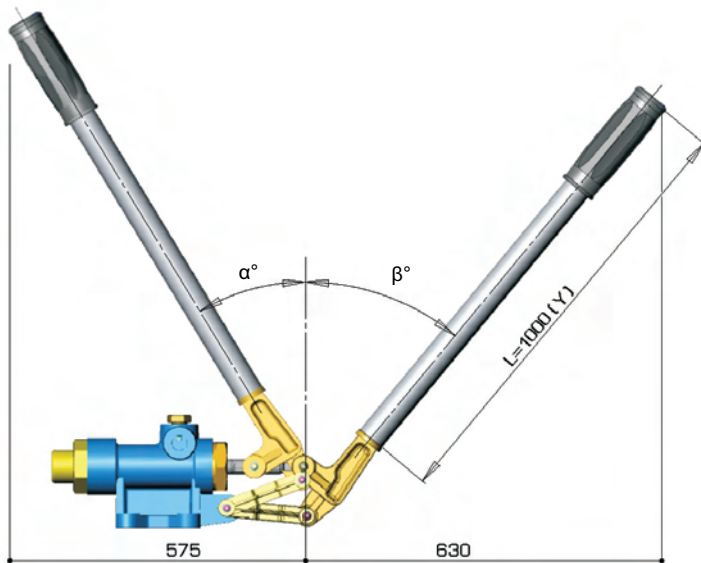


The hand-pumps of the GL-series are manufactured on most modern CNC-machines and by using accurately selected raw materials. The production in large series and the highest quality controls confirm them on the highest world level for products of this type of construction. Their application is in various fields: as emergency or auxiliary pump in mobile or industrial hydraulics; as main pump in the high pressure technology for: material testing; hoisting; levelling; block-technology; cutting machines; presses, etc. The surface treatment are: powder painting (std RAL 5015) with furnace drying at 200° for bodies and yellow zinc-coated for other external part.

Double acting function: symbol \longleftrightarrow
The lever must be actuated forwards+backwards in order to obtain the shown delivery (cm³)

Single acting function: symbol \longrightarrow
The shown delivery (cm³) is obtained by actuating the pedal/lever in one direction only

Conversion Table	
S. I.	
1mm * 10 ⁻³ = 1m	1mm * 0.039 = 1in
1Kg * 9.81 = 1N	1Kg * 0.457 = 1lb
1Bar * 10 ⁻⁵ = 1N/m ² (pa)	1Bar * 14.286 = 1psi
1L * 10 ⁻³ = 1m ³	1L * 0.061 = 1in ³
1Cm ³ /A * 10 ⁻⁶ = 1m ³ /A	1Cm ³ /A * 0.061 = 1in ³ /A
A = Cycle	

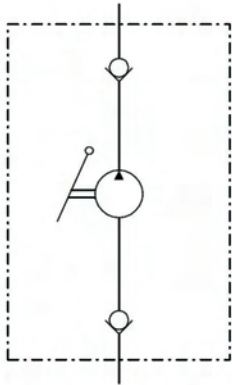


Pump type	α°	β°
GL 20-25-28-30-35	34	38
GL 40-45	30	55

Dimensions and characteristics not binding. Modifications reserved without prior notice.

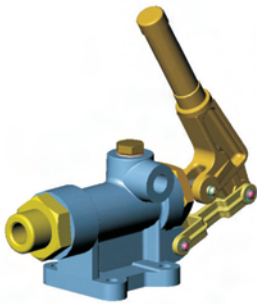
Hydraulic Hand Pump type GL (20-45)

Double stroke function



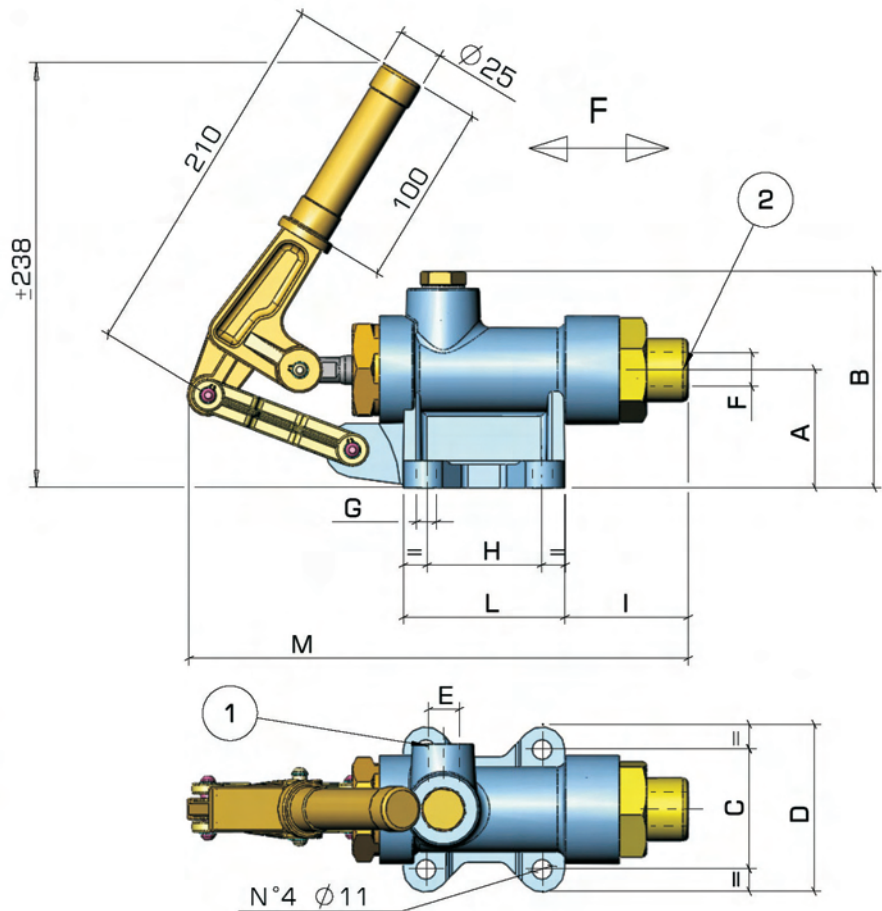
Weight Kg. ~ 5,3 - 6,5

1 Pressure port
2 Suction



Mounting :

Any position.



TYPE	A	B	C	D	E	F	G	H	I	L	M
GL 20-25-28-30-35	67	120	66	95	3/8" gas	1/2" gas	11	63	68	89	285
GL 40-45	71	137	71	102	1/2" gas	1/2" gas	11	73	71	104	295

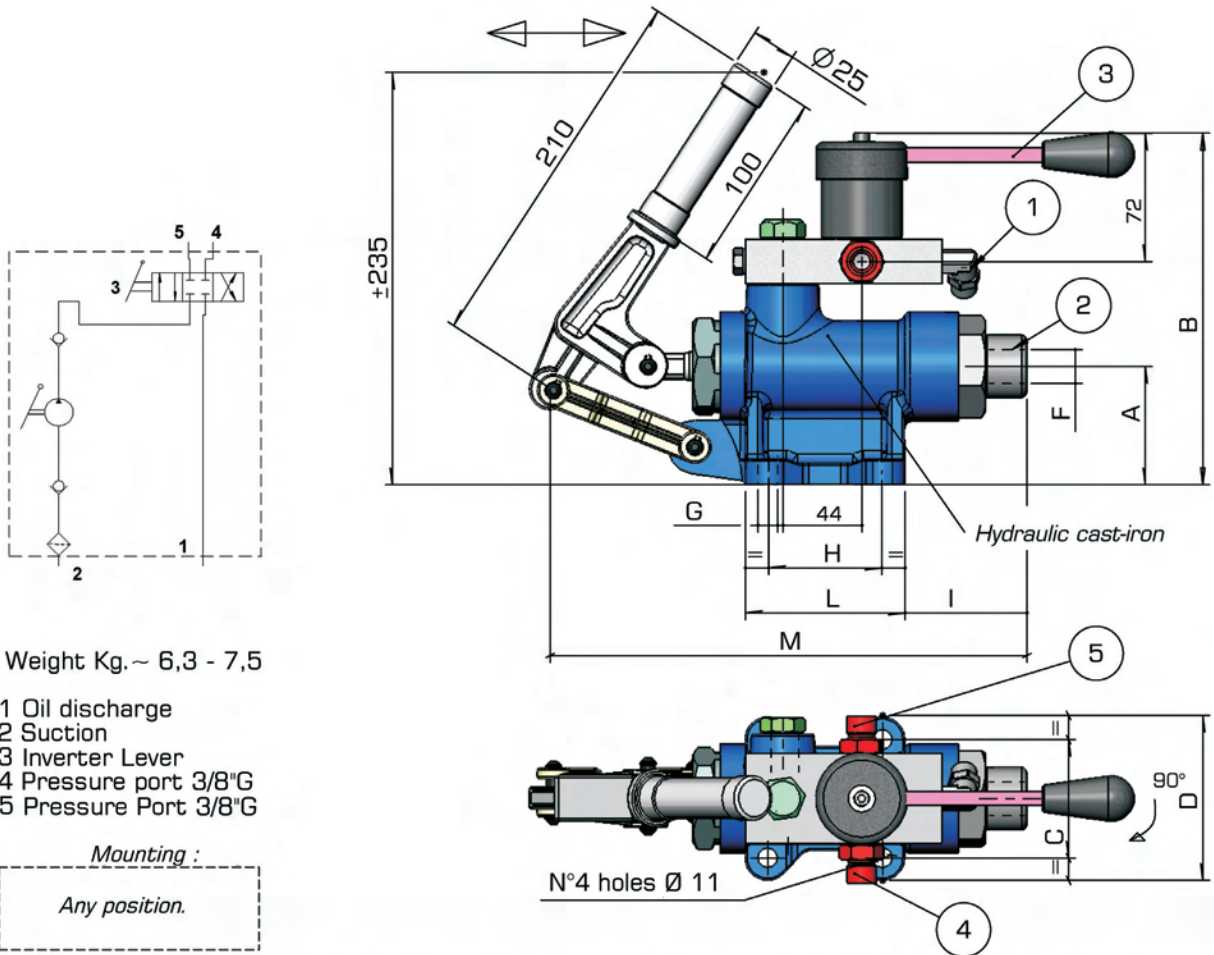
TYPE	DELIVERY Cc	PRESSURE Bar
GL 20	18	460
GL 25	29	320
GL 28	36	250
GL 30	42	220
GL 35	57	160
GL 40	87	120
GL 45	111	90

Authorized by the Italian Ministry of Mercantile Marine with Nr. 47/1988 and 48/1988.
Authorized Italian Navy Register (RINA) nr. 17874

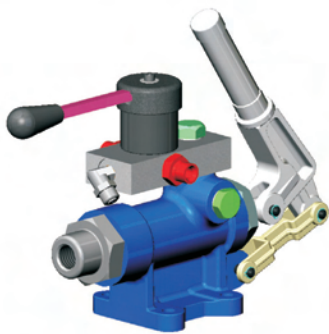
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL+GL 4VN

Double stroke function with diverter for double acting cylinder



TYPE	A	B	C	D	E	F	G	H	I	L	M
GL(20-25-28-30-35)+GL4VN	67	~200	66	95	3/8"gas	1/2"gas	11	63	68	89	285
GL(40-45)+GL4VN	71	~220	71	102	1/2"gas	1/2" gas	11	73	71	104	295

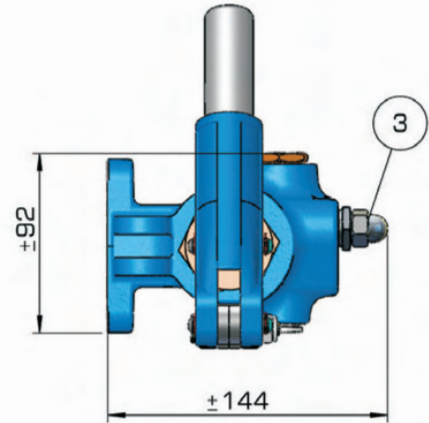
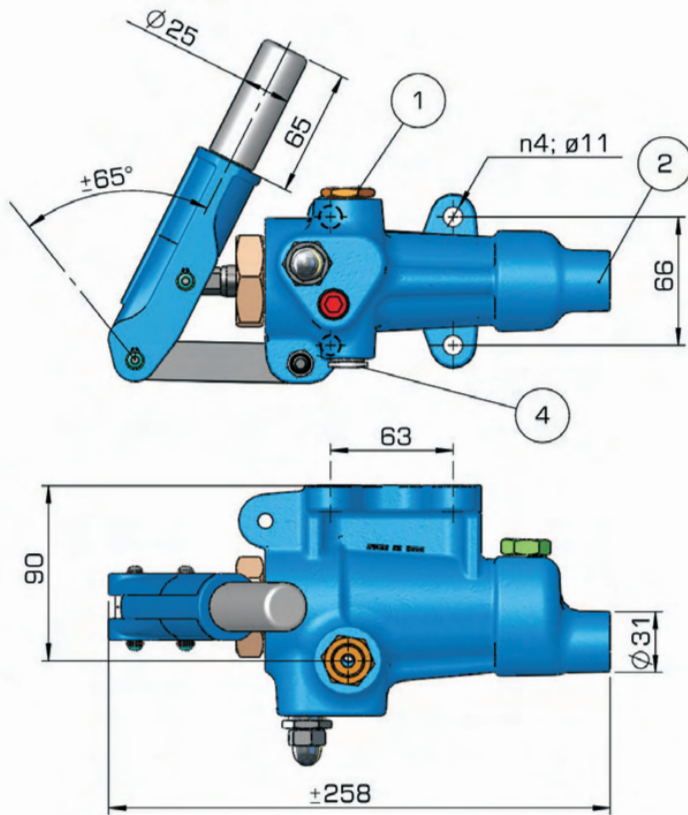


TYPE	DELIVERY Cc	PRESSURE Bar
GL20+GL4VN	18	460
GL25+GL4VN	29	320
GL28+GL4VN	36	250
GL30+GL4VN	42	220
GL35+GL4VN	57	160
GL40+GL4VN	87	120
GL45+GL4VN	111	90

Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLNX (20-35)

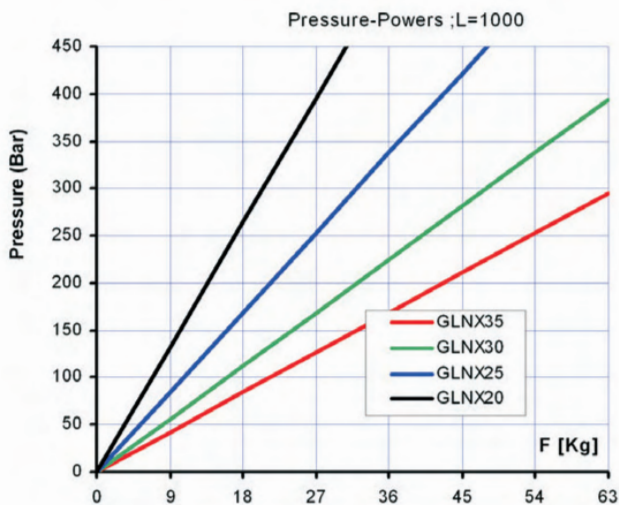
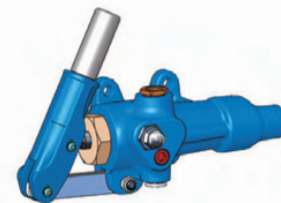
Double stroke function for single acting cylinder



Weight Kg. ~ 3.1 - 3,4

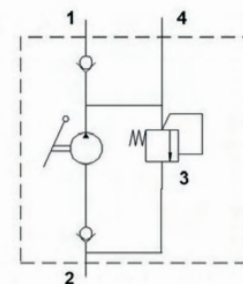
- 1 Pressure port 3/8"G
- 2 Suction 1/2"G
- 3 Relief Valve
- 4 Pressure port 1/4"g (on request)

TYPE	DELIVERY Cc	PRESSURE Bar
GLNX20	18	400
GLNX25	29	300
GLNX30	42	200
GLNX35	57	150



Mounting :

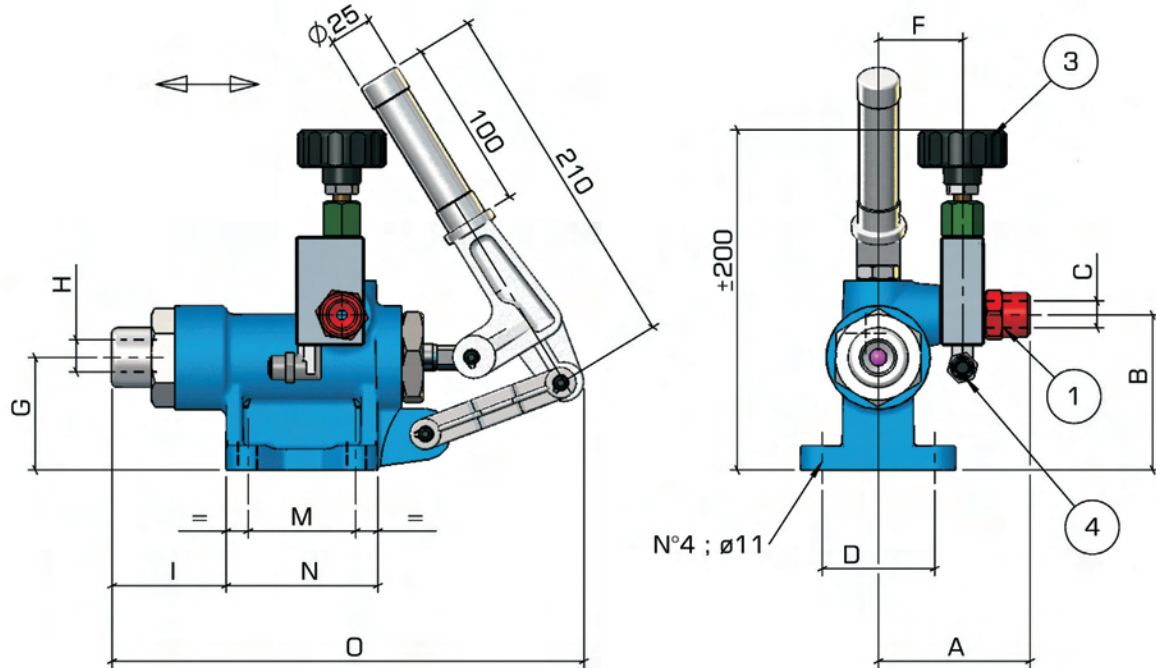
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLD (20-45)

Double stroke function with release handknob for single acting cylinder



Materials:

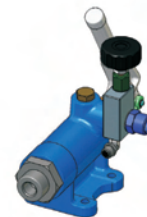
- Cast-iron pump housing
- Aluminium Valve housing

Weight Kg. ~6.3 - 7

Mounting:

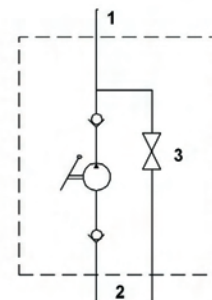
Any Position

- 1 Pressure Port
- 2 Suction
- 3 Release handknob
- 4 Discharge, pipe Ø8



TYPE	A	B	C	D	F	G	H	I	M	N	O
GLD 20-25-28-30-35	90	90	3/8"G	66	52	67	1/2" gas	68	63	89	285
GLD 40-45	100	107	1/2"G	71	56	71	1/2" gas	71	73	104	295

TYPE	DELIVERY cm ³	PRESSURE Bar
GLD 20	18	460
GLD 25	29	320
GLD 28	36	250
GLD 30	42	220
GLD 35	57	160
GLD 40	87	120
GLD 45	111	90

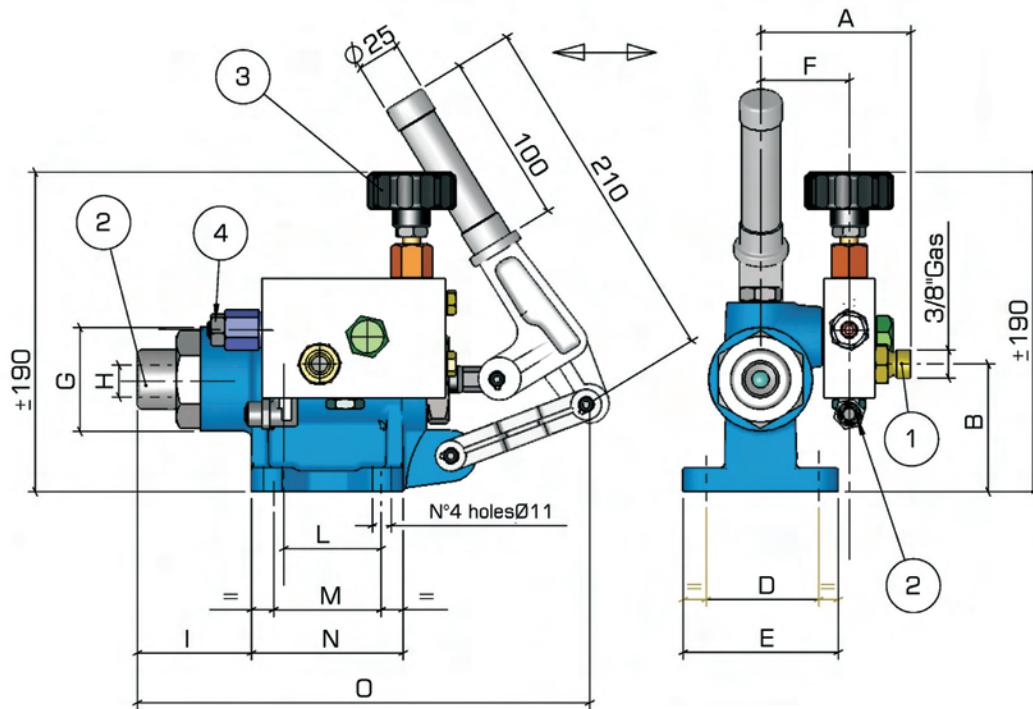


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Authorized Italian Navy Register (RINA) nr. 17874

Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLDV (20-45)

Double stroke function with relief valve for single acting cylinder



Materials:

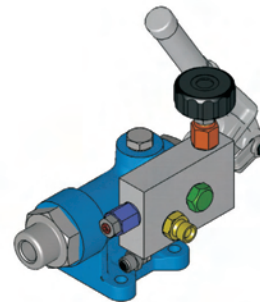
- Cast-iron pump housing
- Aluminium valve housing

Weight Kg. 6.7-8

- 1 Pressure Port
- 2 Suction
- 3 Release handknob
- 4 Max pressure setting
- 5 Tank port (for pipe ø8)

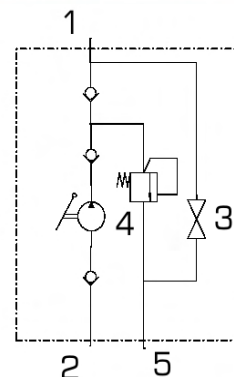
Mounting:

Any position.



TYPE	A	B	D	E	F	G	H	I	L	M	N	O
GLDV 20-25-28-30-35	90	75	66	95	48	67	1/2" gas	68	46	63	89	285
GLDV 40-45	100	79	71	102	52	71	1/2" gas	71	56	73	104	295

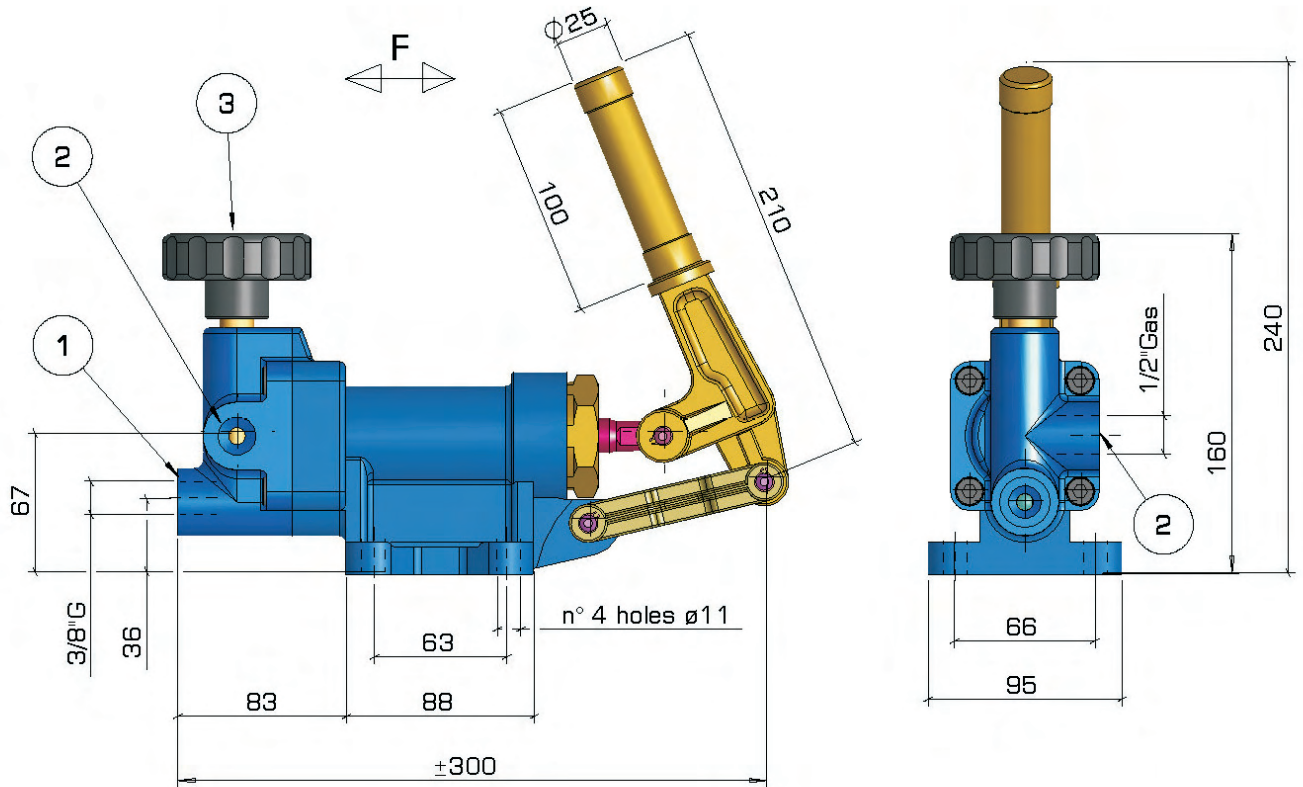
TYPE	DELIVERY cm ³	PRESSURE Bar
GLDV 20	18	460
GLDV 25	29	320
GLDV 28	36	250
GLDV 30	42	220
GLDV 35	57	160
GLDV 40	87	120
GLDV 45	111	90



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLR (20-30)

Double stroke function with release handknob for single acting cylinder



Materials:
Cast-iron pump housing

Weight Kg. ~6,3 - 6,5

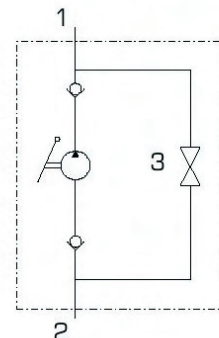
1 Pressure port
2 Suction
3 Release handknob

Mounting:

Any position



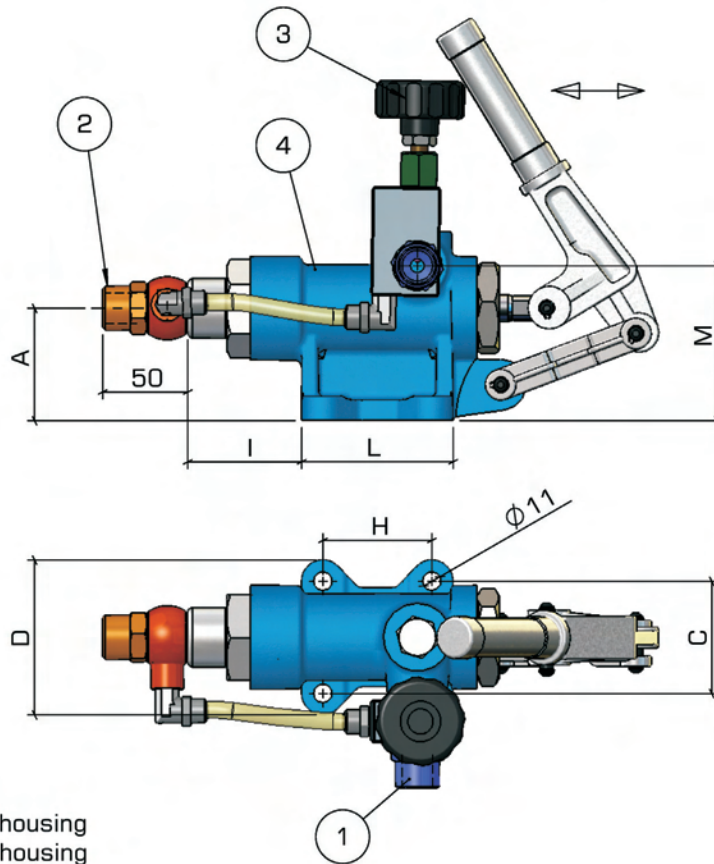
TYPE	DELIVERY cm ³	PRESSURE Bar
GLR 20	18	460
GLR 25	29	320
GLR 28	36	250
GLR 30	42	220



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 189 (20-45)

Double stroke function with release handknob group D for single acting cylinder



Materials:

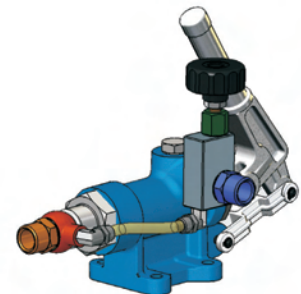
- Cast-iron pump housing
- Aluminium valve housing

Weight Kg. ~ 6.5

- 1 Pressure port 1/2"G
- 2 Suction 1/2"G
- 3 Release Handknob
- 4 Pump type GL

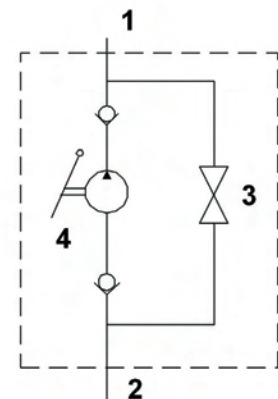
Mounting :

Any position.



TYPE	A	C	D	H	I	L	M
GL189-(20,25,28,30,35)	67	66	95	63	68	89	91
GL189-(40,45)	71	71	102	73	71	104	104

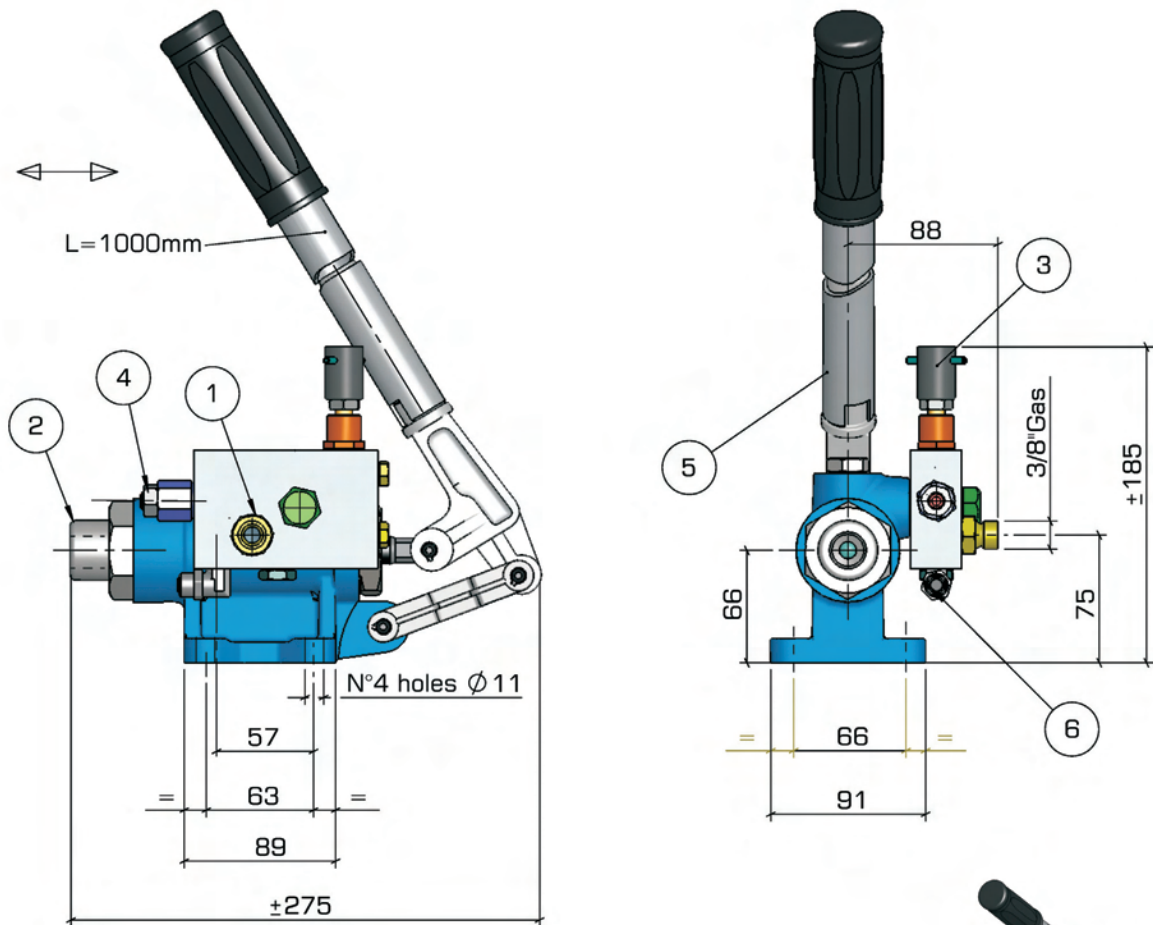
TYPE	DELIVERY Cc	PRESSURE Bar
GL189-20	18	460
GL189-25	29	320
GL189-28	36	250
GL189-30	42	220
GL189-35	57	160
GL189-40	87	120
GL189-45	111	90



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 218 (20-35)

Double stroke function with relief valve for single acting cylinder



Materials:

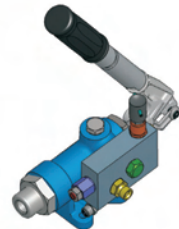
- Cast-iron pump housing
- Aluminium valve housing

Weight Kg. ~8,5

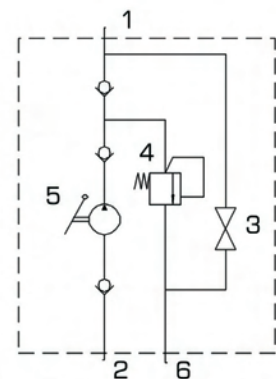
- 1 Pressure Port
- 2 Suction
- 3 Release handknob
- 4 Max pressure setting
- 5 Action Lever
- 6 Tank port (for pipe Ø8)

Mounting :

Any position.



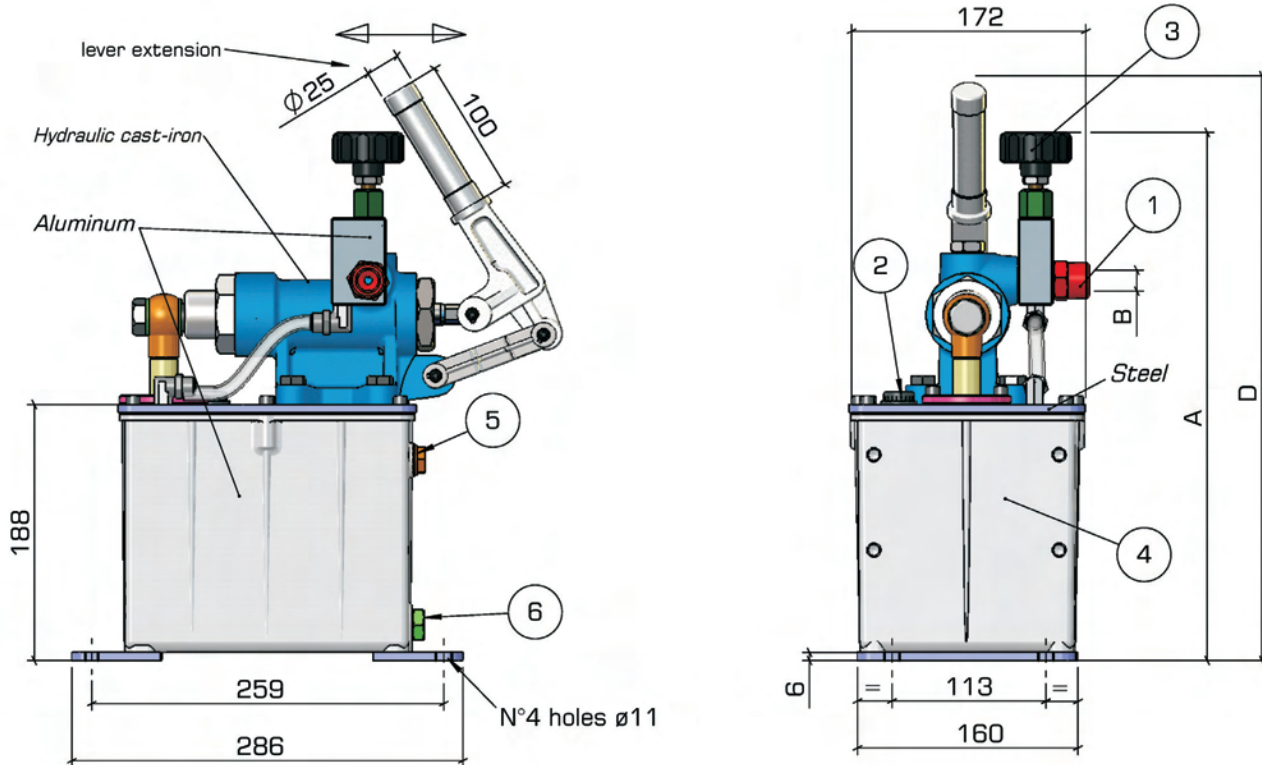
TYPE	DELIVERY cm ³	PRESSURE Bar
GL218-20	18	460
GL218-25	29	320
GL218-28	36	250
GL218-30	42	220
GL218-35	57	160



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLA (20-45)

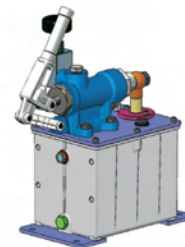
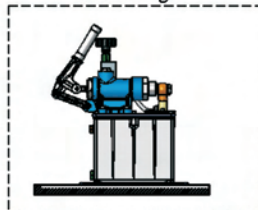
Double stroke function with release handknob for single acting cylinder



Weight kg. ~11

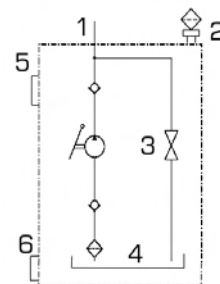
- 1 Pressure Port
- 2 Filler Plug 1/2"G 1/2"G -
- 3 Release Handknob
- 4 Tank L 4
- 5 Oil Level indicator
- 6 Oil Discharge Plug 1/2"G

Mounting :



TYPE	A	B	D
GLA 20-25-28-30-35	~390	3/8"gas	~420
GLA 40-45	~410	1/2"gas	~430

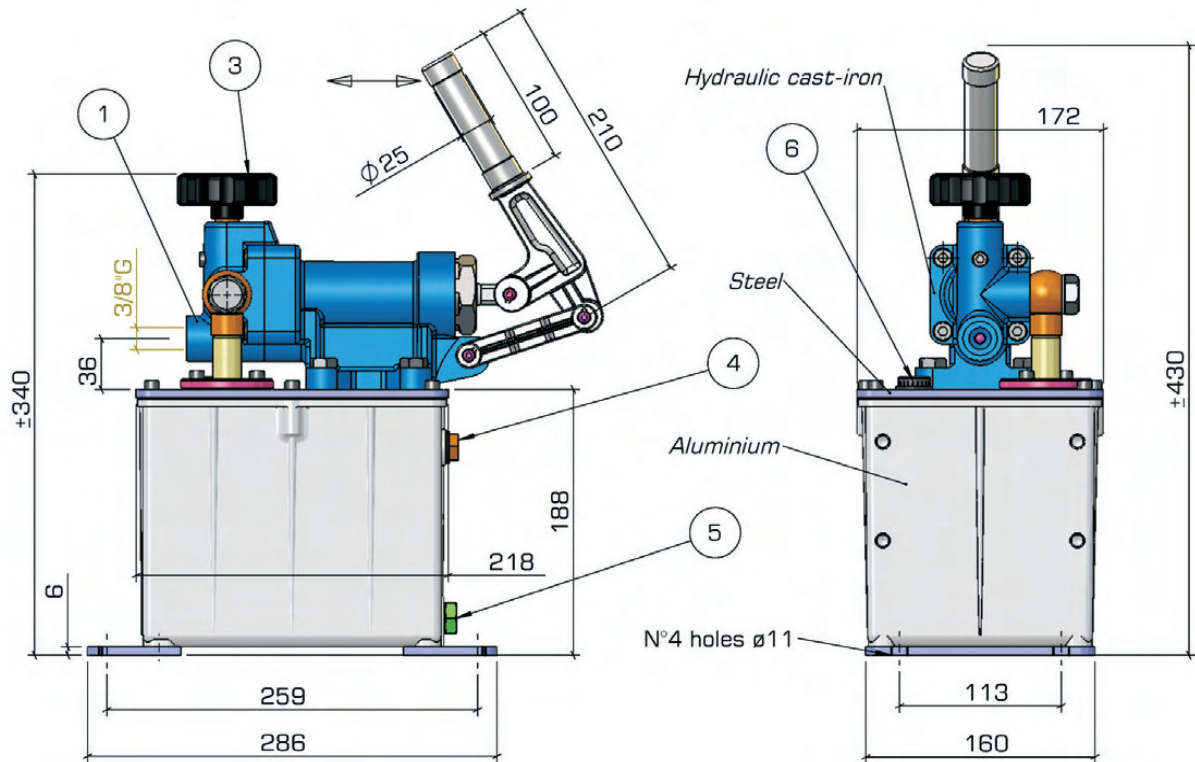
TYPE	DELIVERY cm ³	PRESSURE Bar
GLA 20	18	460
GLA 25	29	320
GLA 28	36	250
GLA 30	42	220
GLA 35	57	160
GLA 40	87	120
GLA 45	111	90



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLB (20-30)

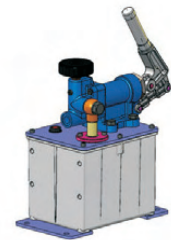
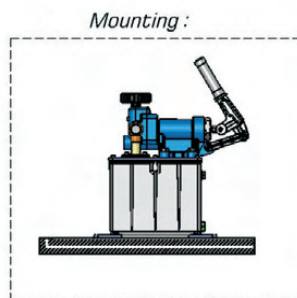
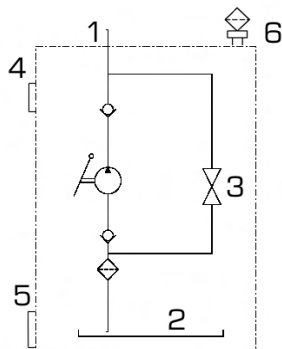
Double stroke function with release handknob for single acting cylinder



Peso - Weight ~11Kg

- 1 Mandata - Pressure Port
- 2 Serbatoio L 4 - Tank L 4
- 3 Release Handknob
- 4 Oil Level Indicator
- 5 Oil Discharge Plug 1/2"G
- 6 Filler plug 1/2"G

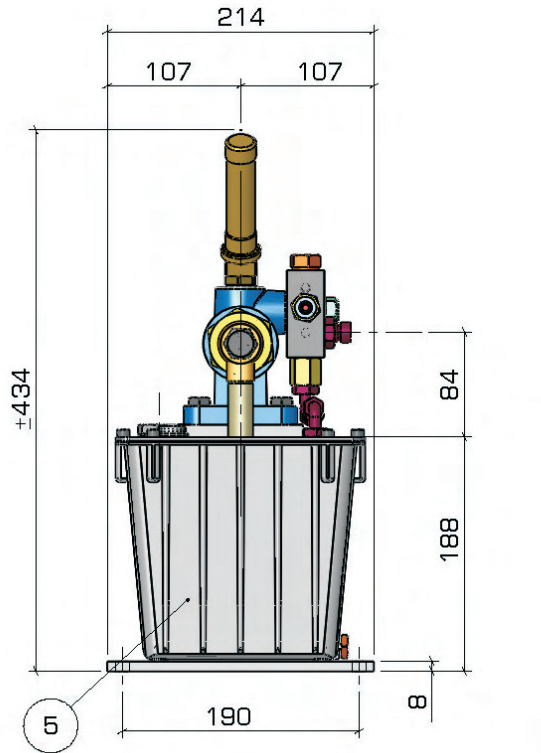
TYPE	DELIVERY cm ³	PRESSURE BAR
GLB 20	18	460
GLB 25	29	320
GLB 28	36	250
GLB 30	42	220



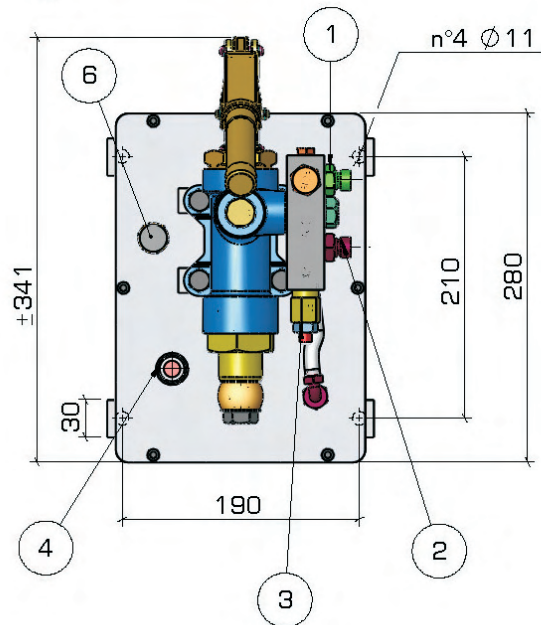
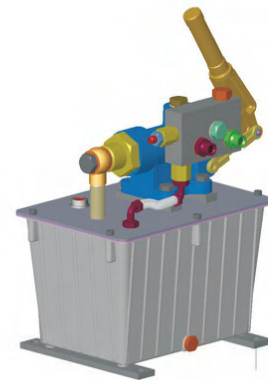
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 215-6 AL

Double stroke function with relief valve for single acting cylinder

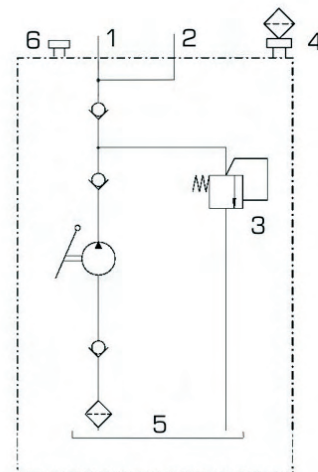


Mounting:
Only as dwg



Materials:
-Cast-iron pump housing
-Aluminium valve housing
-Aluminium tank

- 1 Pressure Port 1 (3/8" g)
- 2 Pressure Port 2 (3/8" g)
- 3 Max. Pressure Setting
- 4 Filler Plug with level (1/2" g)
- 5 Tank 6L
- 6 Plug 3/8" Gas

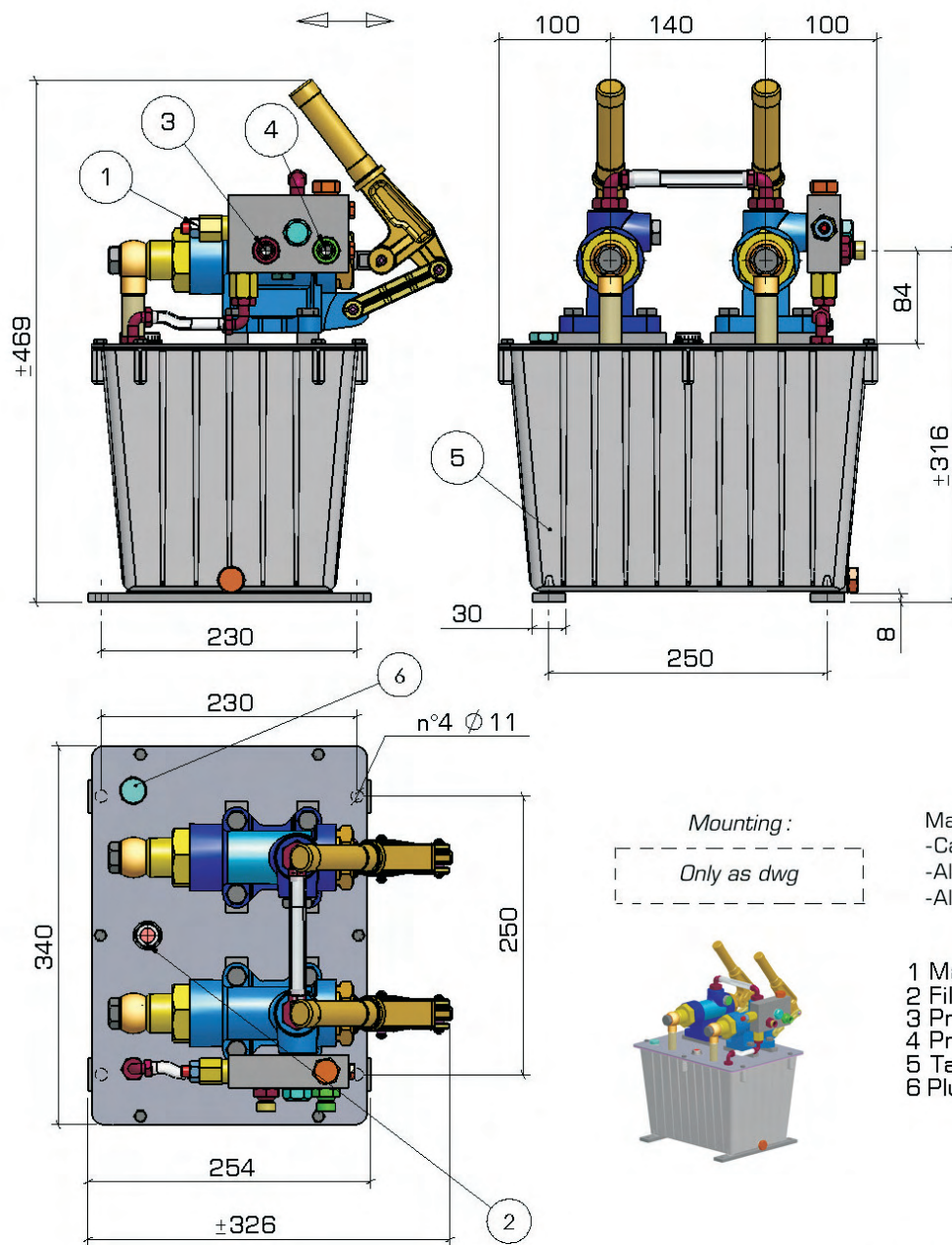


TYPE	DELIVERY Cc	PRESSURE Bar
GL 215-6AL-20	18	460
GL 215-6AL-25	29	320
GL 215-6AL-28	36	250
GL 215-6AL-30	42	220
GL 215-6AL-35	57	160

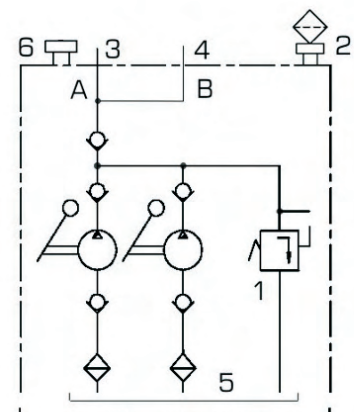
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 215-10 AL

Twin Pump Double stroke function with relief valve for single acting cylinder

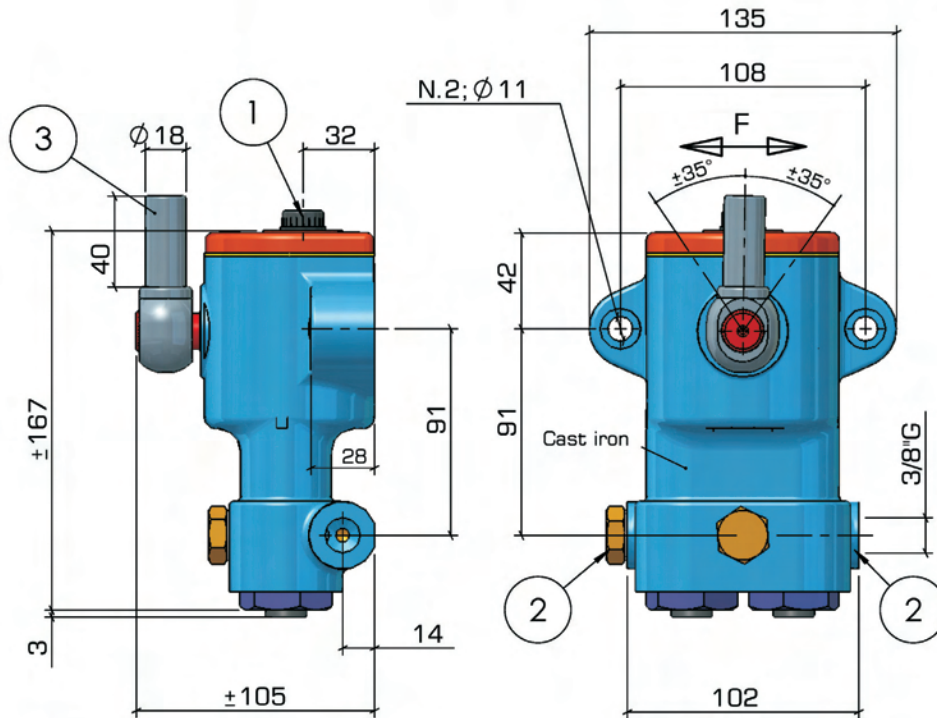


TYPE	DELIVERY Cc	PRESSURE Bar
GL 215-10AL-20	18+18	460
GL 215-10AL-25	29+29	320
GL 215-10AL-28	36+36	250
GL 215-10AL-30	42+42	220
GL 215-10AL-35	57+57	160



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL2C...N Twin Piston Double stroke function for single acting cylinder

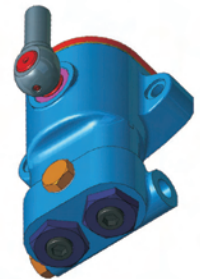
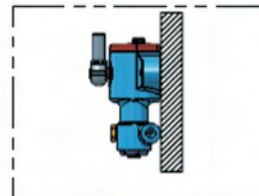


Weight (without oil) Kg. ~4,5

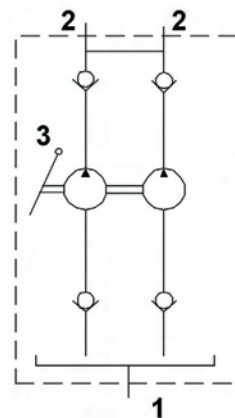
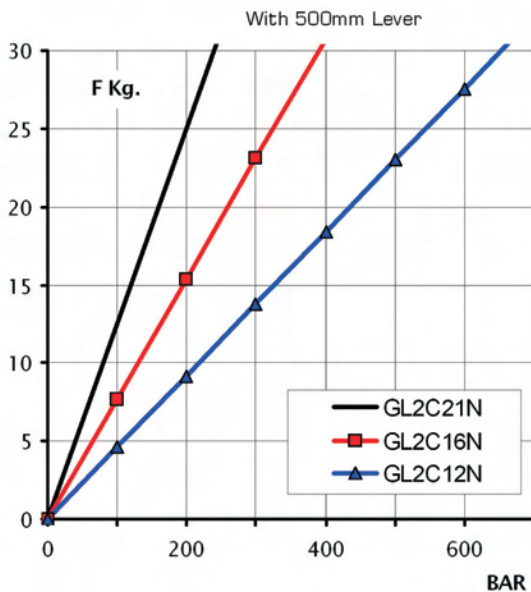
- 1 Oil Inlet 3/8" G
- 2 Pressure Port 3/8" G

TYPE	DELIVERY cm3	PRESSURE Bar
GL2C12N	5,6	500
GL2C16N	10	250
GL2C21N	17,2	150

Mounting:



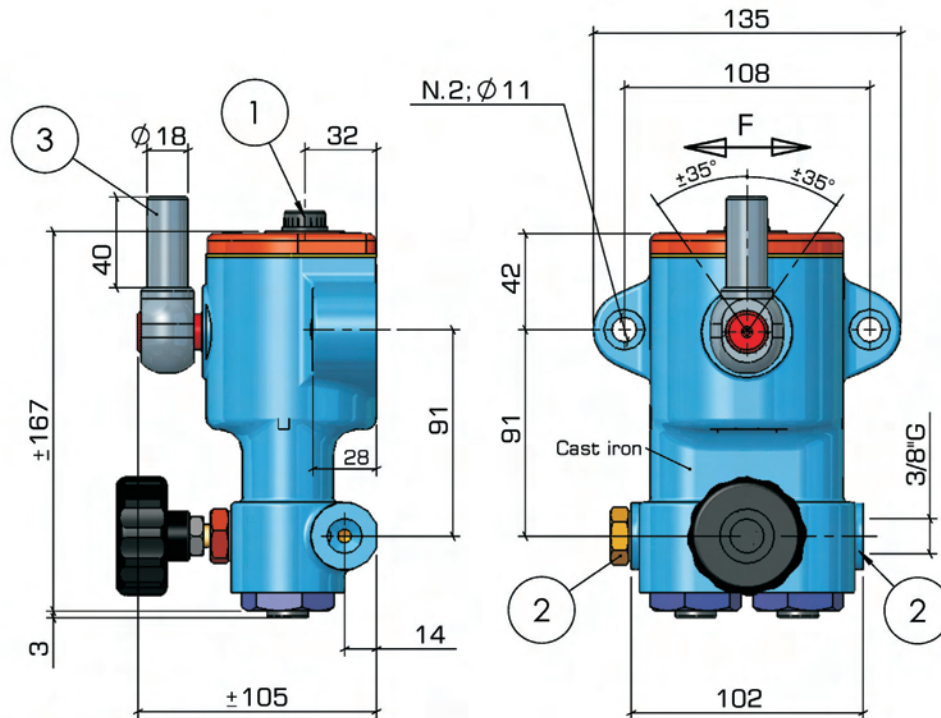
Homologation of Italian Ministry of Defense NATO manufacturers' code no. A5302



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL2C...NR

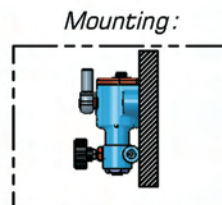
Twin Piston Double stroke function with release handknob for single acting cylinder



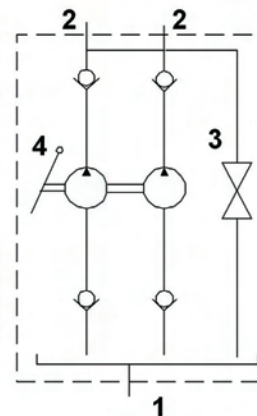
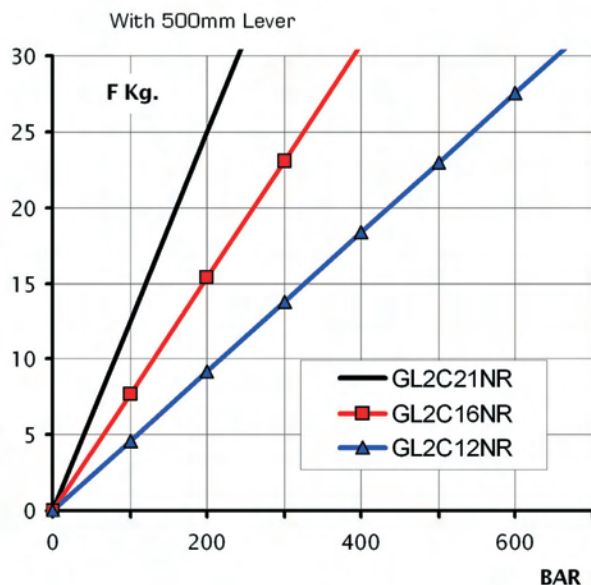
Weight (without oil) Kg. ~4,5

- 1 Oil Inlet 3/8" G
- 2 Pressure Port 3/8" G
- 3 Release handknob

TIPO-TYPE	PORTATA cm3 DELIVERY cm3	PRESSIONE Bar PRESSURE Bar
GL2C12NR	5,6	500
GL2C16NR	10	250
GL2C21NR	17,2	150



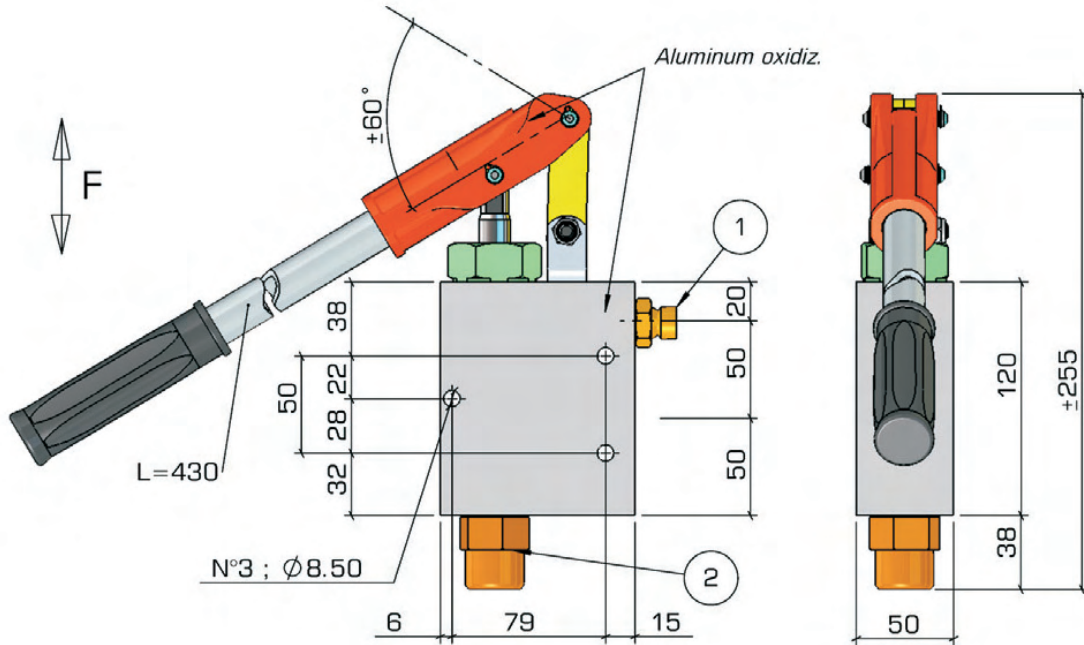
Homologation of Italian Ministry of Defense NATO manufacturers' code no. A5302



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLDE 20H ALL

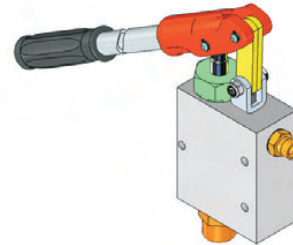
Double stroke function for single acting cylinder



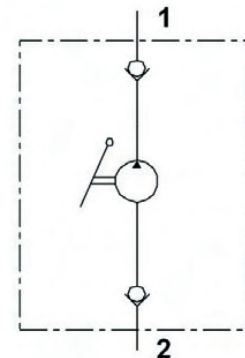
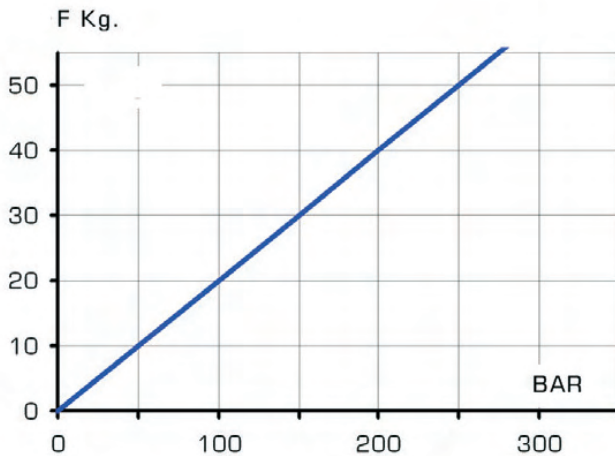
Weight kg. ~3.2

1 Pressure Port 3/8"G
2 Suction

TYPE	DELIVERY cm ³	PRESSURE Bar
GLDE20H-ALL	15	280



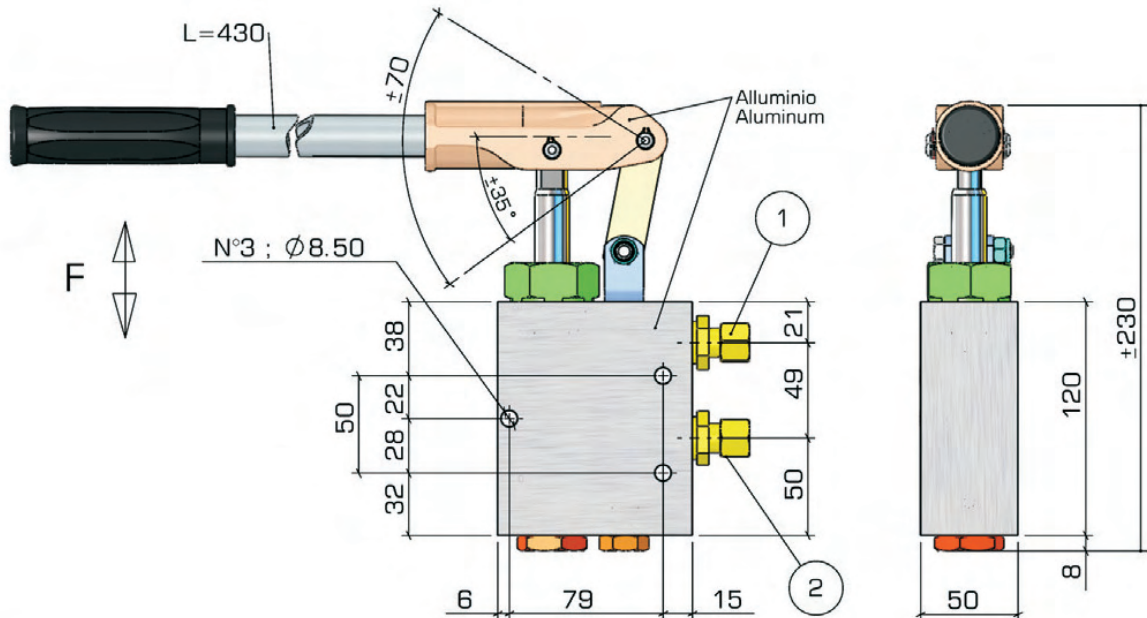
Mounting :
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLDE 25 H ALL

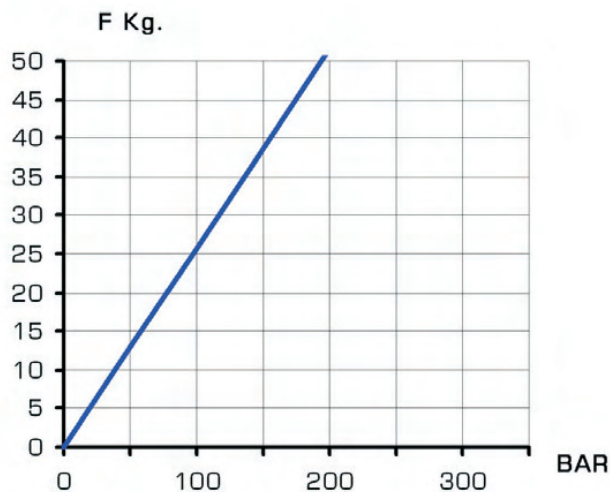
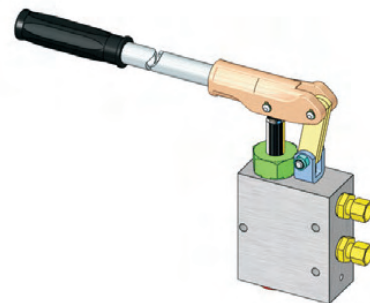
Double stroke function for single acting cylinder



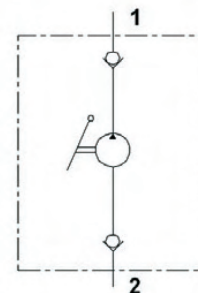
Weight kg. ~3.2

- 1 Pressure Port (for pipe $\varnothing 15$)
- 2 Suction (for pipe $\varnothing 15$)

TYPE	DELIVERY cm^3	PRESSURE Bar
GLDE25H-ALL	25	150



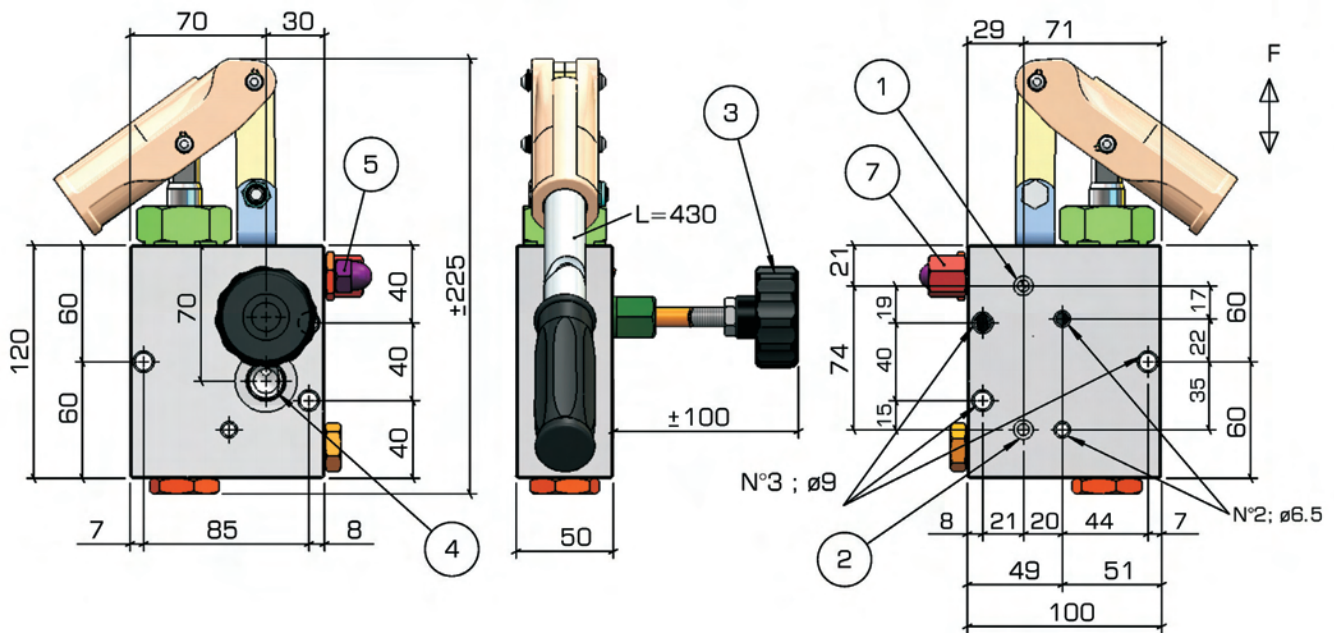
Mounting :
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

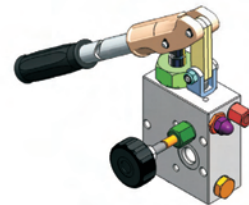
Hydraulic Hand Pump type GL 173 M-ALL

Double stroke function for single acting cylinder

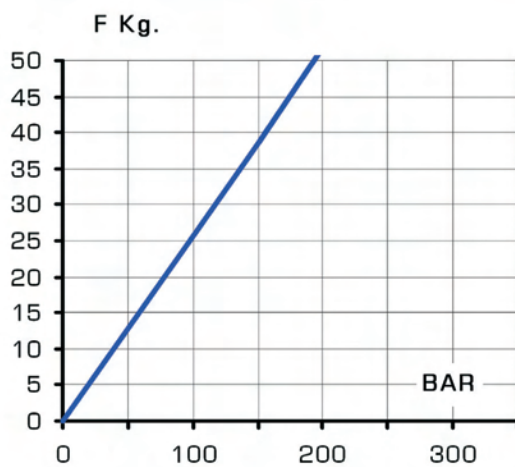


Weight kg. ~3

- 1 Pressure Port, ø6 with Or112
- 2 Suction
- 3 Release Handknob
- 4 Shut-off valve connection (not supplied)
- 5 Relief valve
- 6 Action Lever L=430mm
- 7 Pressure Port, 1/4"G female

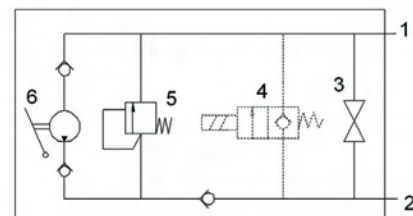


TYPE	DELIVERY cm ³	PRESSURE Bar
GL173M-ALL	25	150



Mounting :

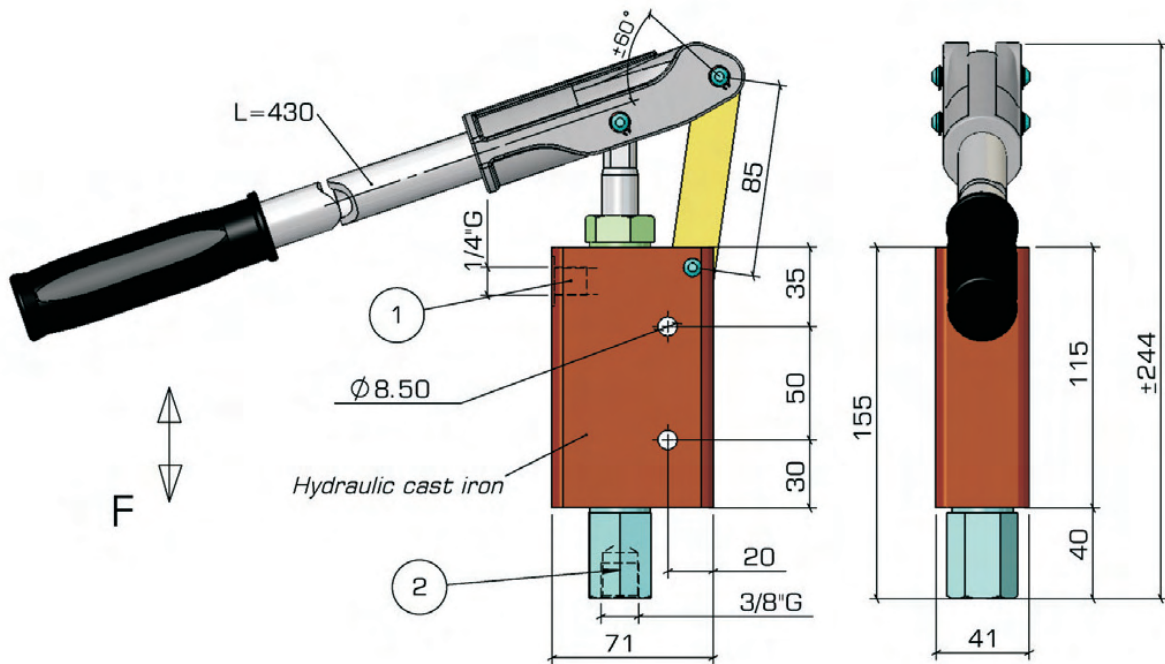
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

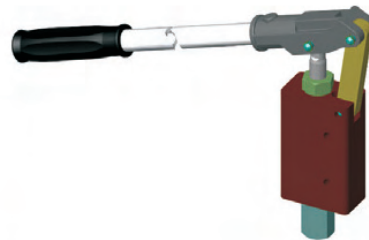
Hydraulic Hand Pump type GL 264

Double stroke function for single acting cylinder



Weight ~Kg 4.3

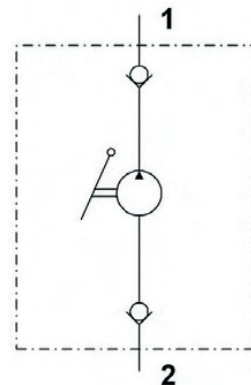
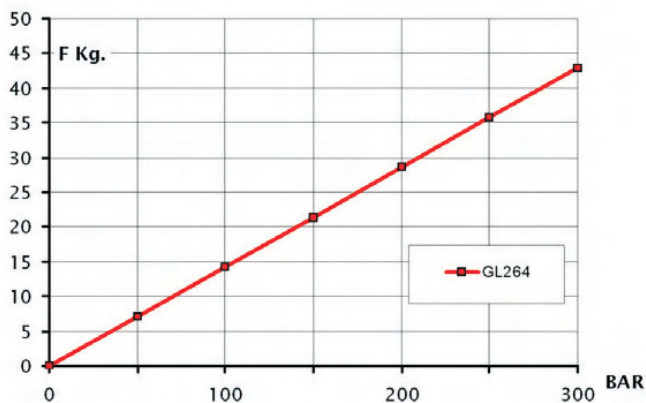
- 1 Pressure Port 1/4\"G
- 2 Suction 3/8\"G



TYPE	DELIVERY cm ³	PRESSURE Bar
GL264	16	280

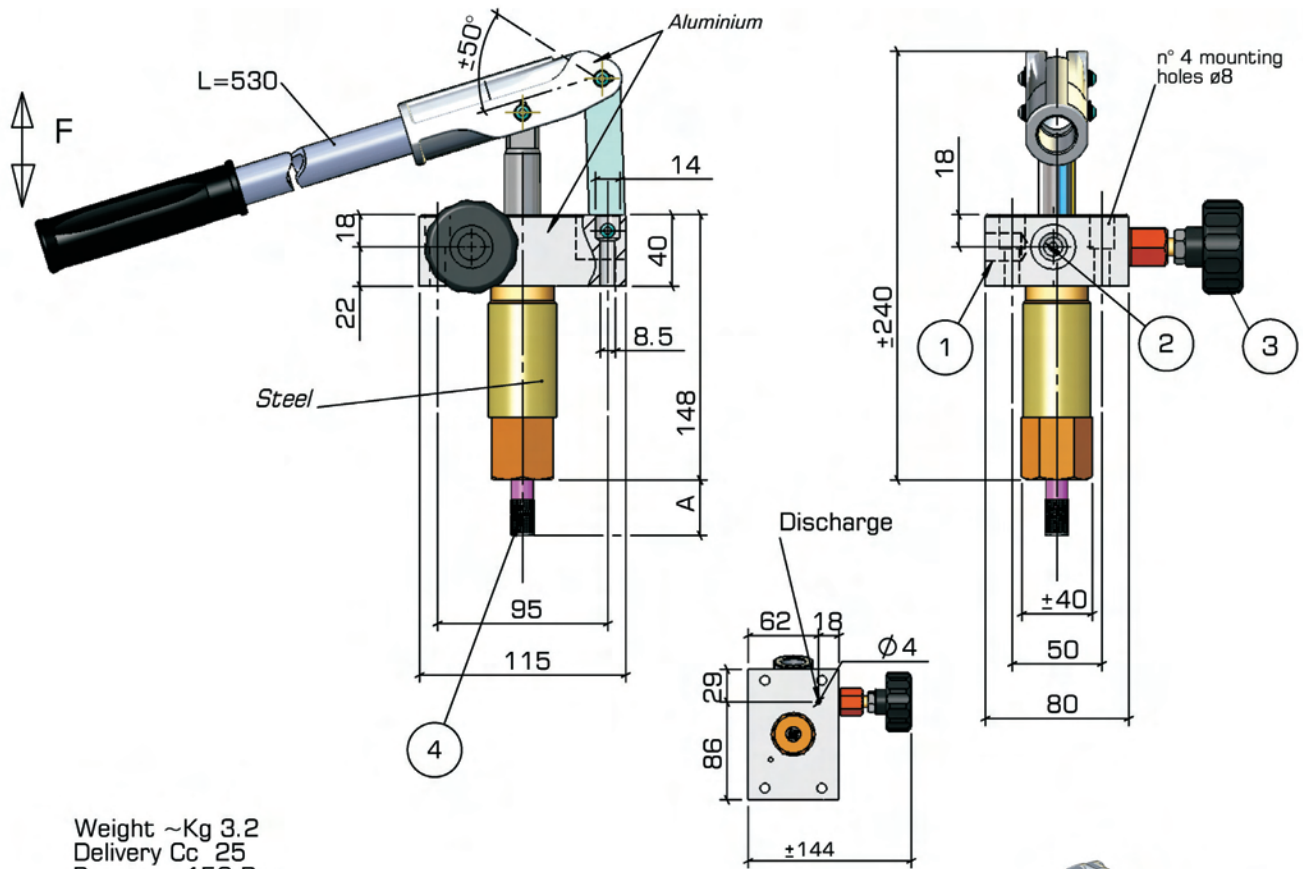
Mounting:

Any position



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 271 R Double stroke function for single acting cylinder



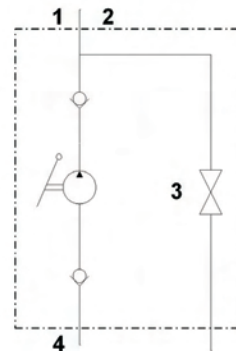
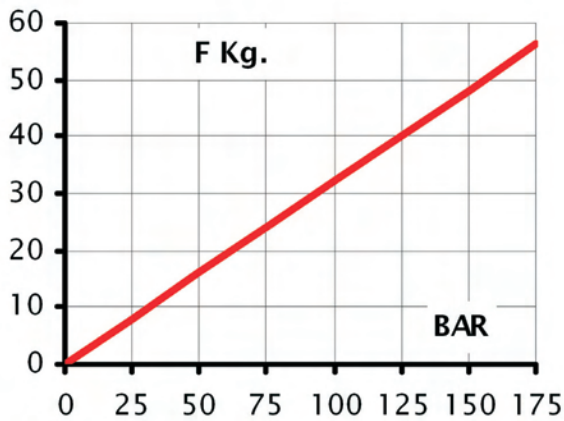
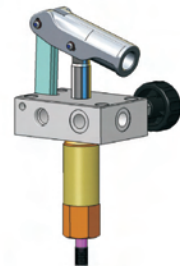
Weight ~Kg 3.2
Delivery Cc 25
Pressure 150 Bar

- 1 Pressure port 1 (3/8" g)
- 2 Pressure port 2 (3/8" g)
- 3 Release handknob
- 4 Suction

A Length on request

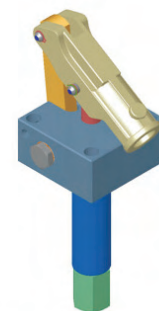
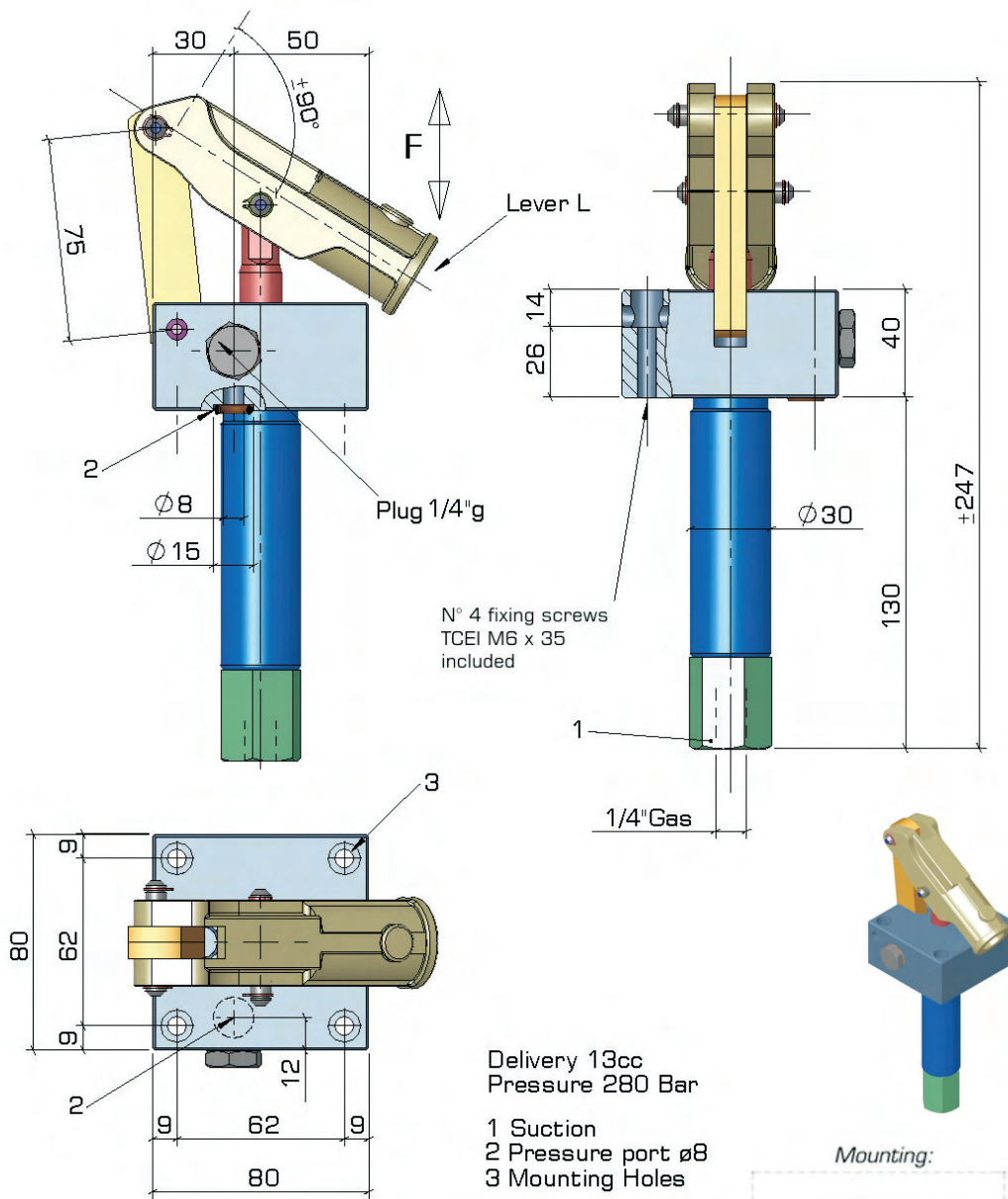
Mounting:

Any position.
with good oil suction (4)



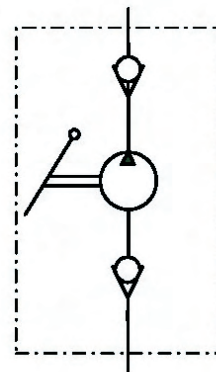
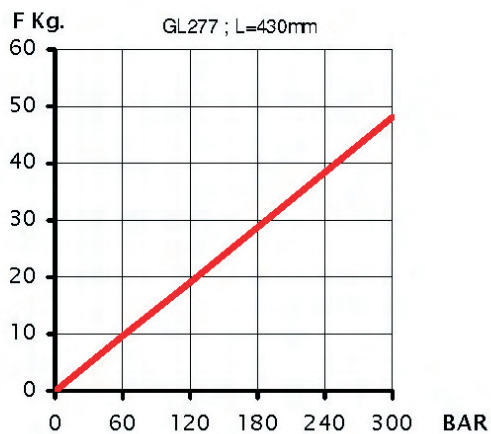
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 277 Double stroke function for single acting cylinder



Mounting:

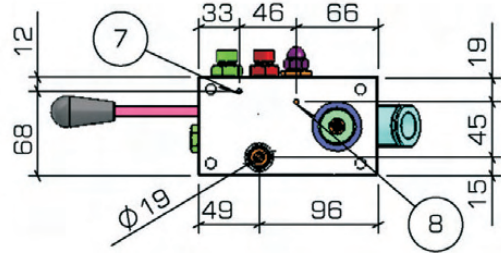
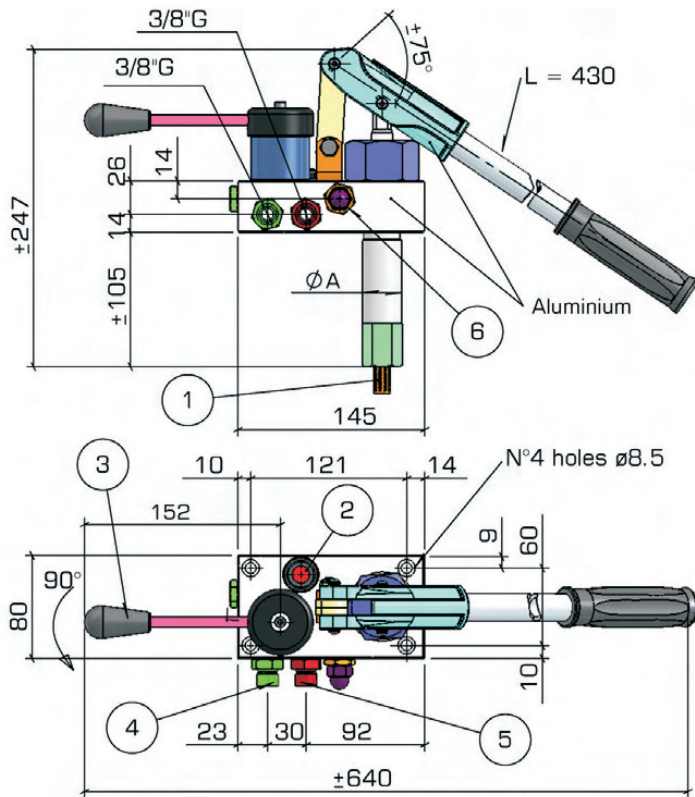
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 290 SS

Double stroke function with flow diverter for double acting cylinder



Weight (without lever) Kg. ~3.8

- 1 Suction filter
- 2 Filler Plug
- 3 Oil Flow Diverter Lever
- 4 Pressure Port 1
- 5 Pressure Port 2
- 6 Relief Valve
- 7-8 Discharge

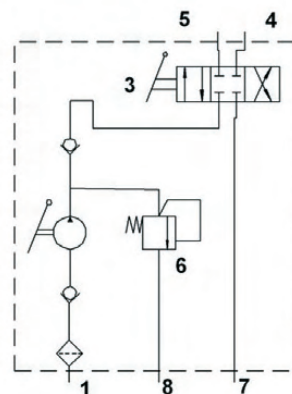
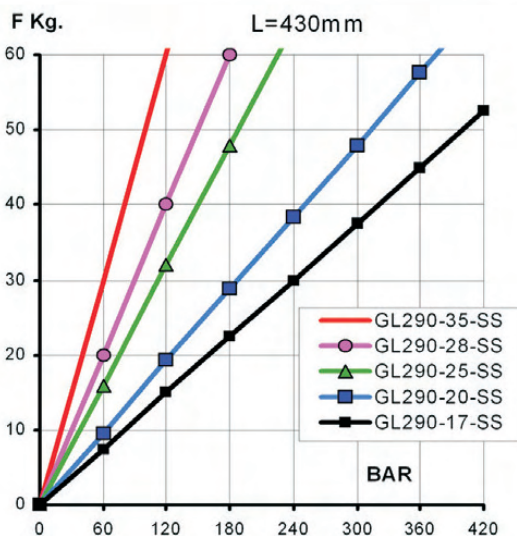
Type	GL290-17-SS	GL290-20-SS	GL290-25-SS	GL290-28-SS	GL290-35-SS
A	25	30	35	38	45

TYPE	DELIVERY cm ³	PRESSURE Bar
GL290-17-SS	11	380
GL290-20-SS	16	280
GL290-25-SS	25	180
GL290-28-SS	32	150
GL290-35-SS	40	100



Mounting:

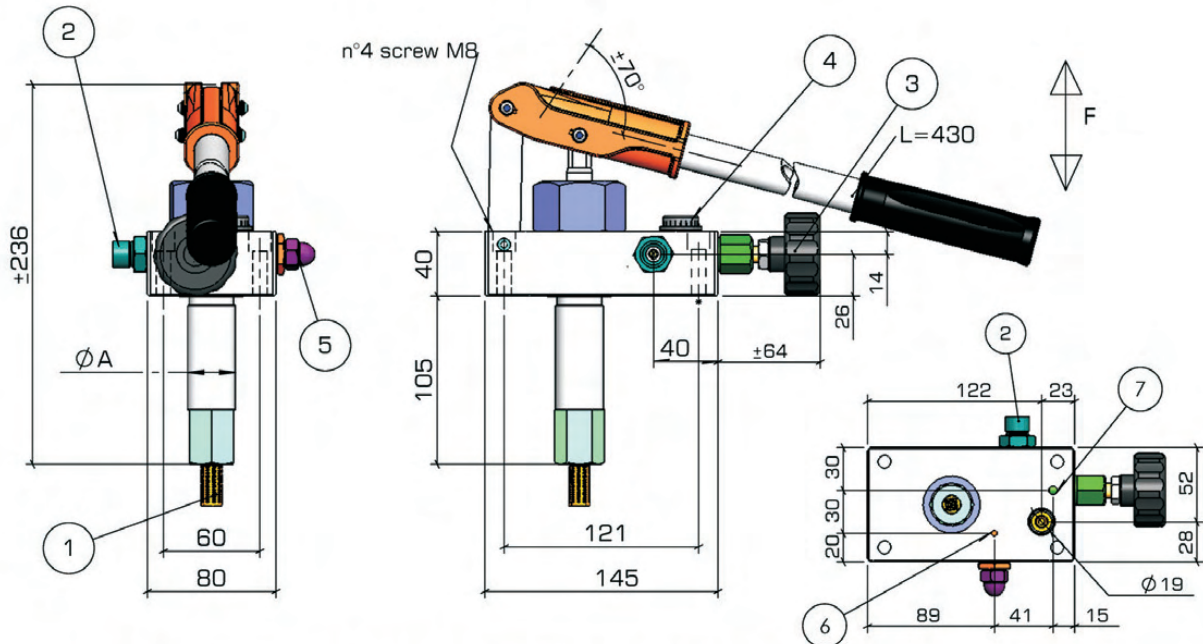
Any position
take care of good suction



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 292 SS

Double stroke function with release handknob and relief valve for single acting cylinder



Type	GL292-17-SS	GL292-20-SS	GL292-25-SS	GL292-28-SS	GL292-35-SS
A	25	30	35	38	45

Weight (without lever) Kg. ~3,2-3,5

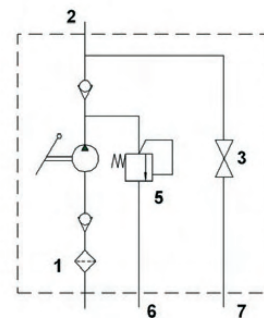
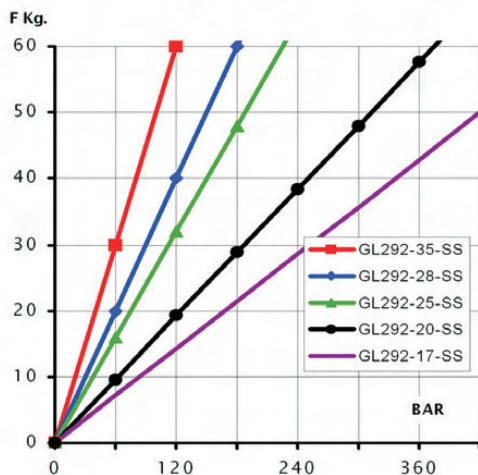
- 1 Suction Filter
- 2 Pressure Port
- 3 Release Hanknob
- 4 Filler Plug
- 5 Relief Valve
- 6-7 Scarico Discharge

TYPE	DELIVERY cc	PRESSURE Bar
GL292-17-SS	11	380
GL292-20-SS	16	280
GL292-25-SS	25	180
GL292-28-SS	32	150
GL292-35-SS	50	100



Mounting:

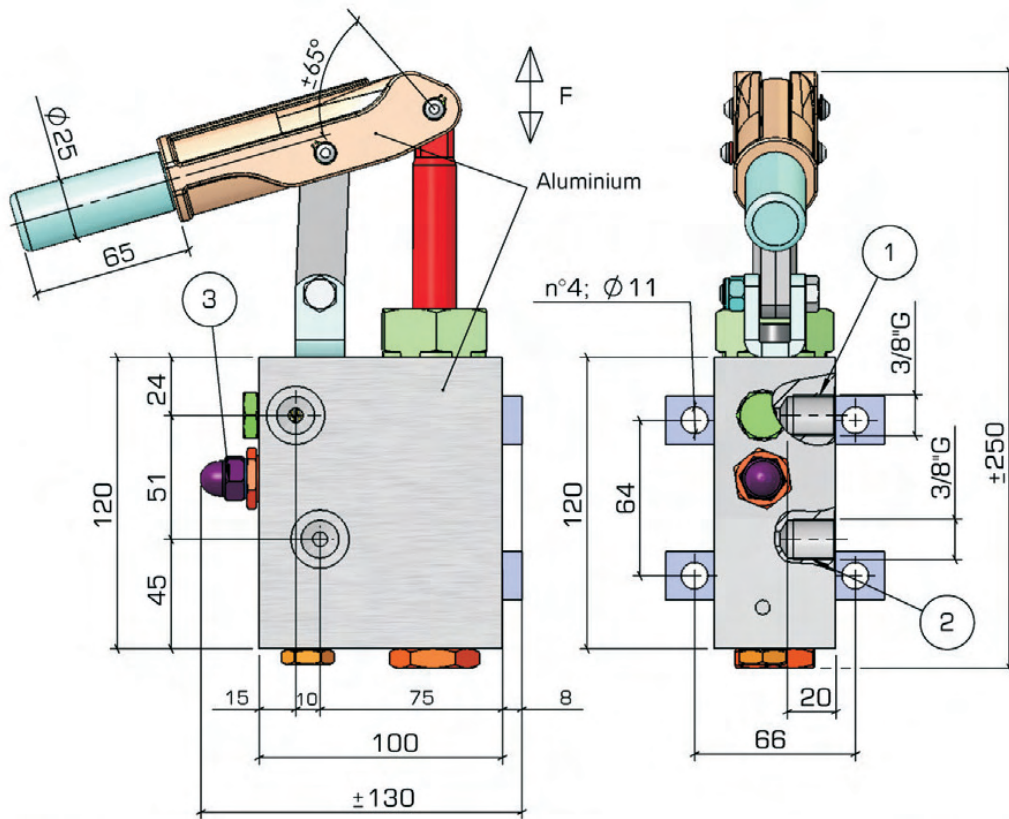
Any position
take care of good suction



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 303 ALL

Double stroke function with relief valve for single acting cylinder



Delivery 25 cc
Pressure 250 bar

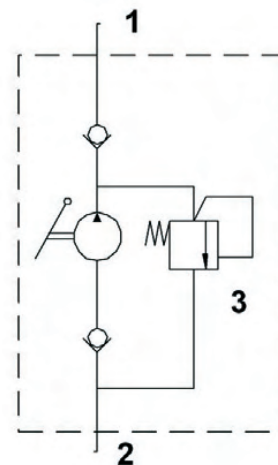
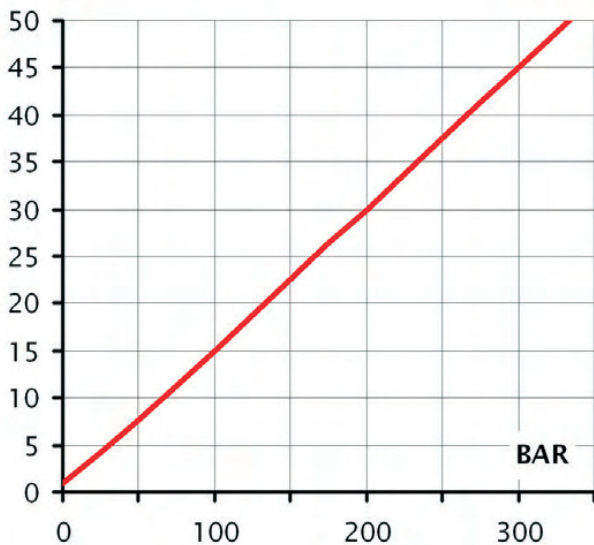
- 1 Pressure port
- 2 Suction/Discharge
- 3 Relief valve

Mounting :

Any position.



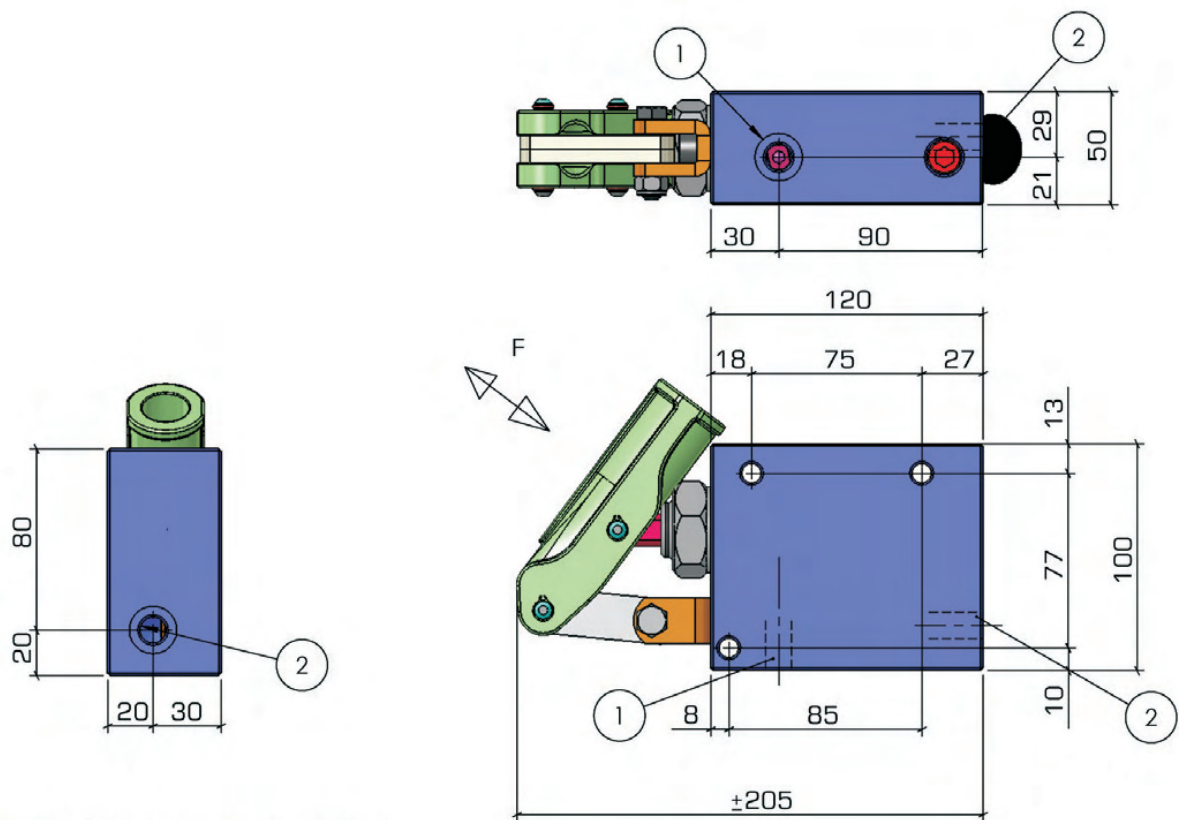
F Kg.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 315

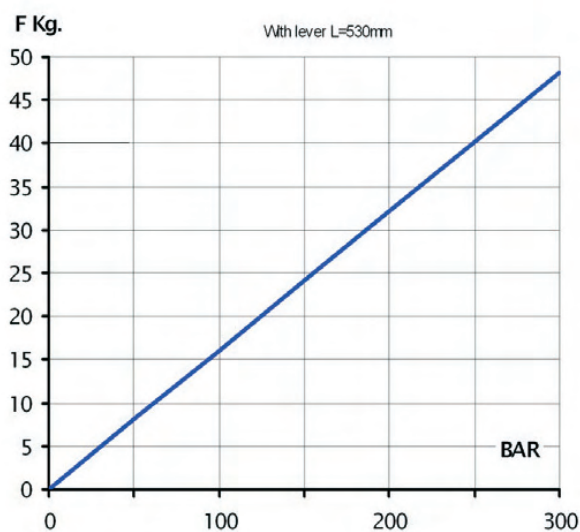
Double stroke function for single acting cylinder



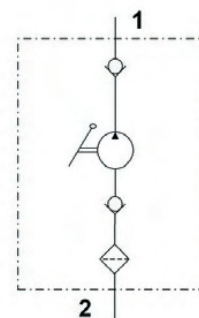
Weight (with lever) kg. ~2.4 (~3,3)

1 Pressure Port 1/4"G
2 Suction 1/4"G

TYPE	DELIVERY cm ³	PRESSURE Bar
GL315	17	280



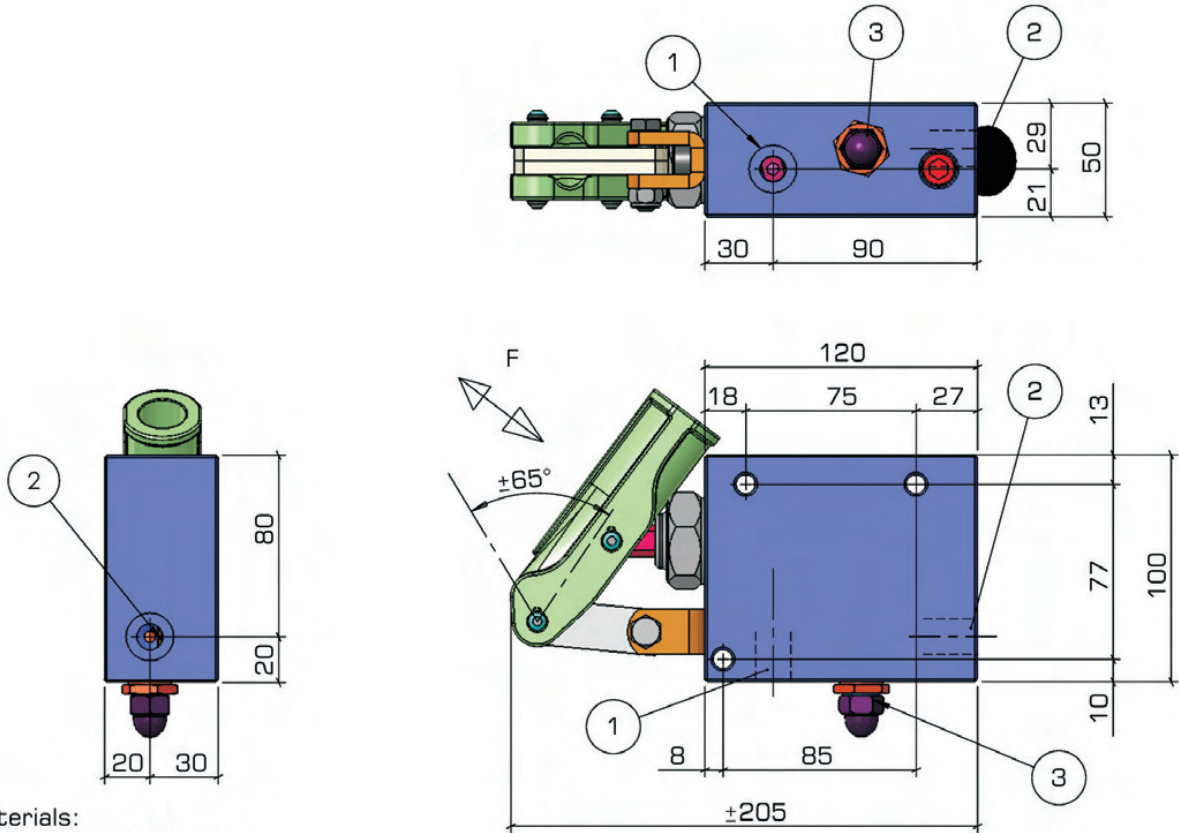
Mounting:
Any position



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 315-VM

Double stroke function with relief valve for single acting cylinder



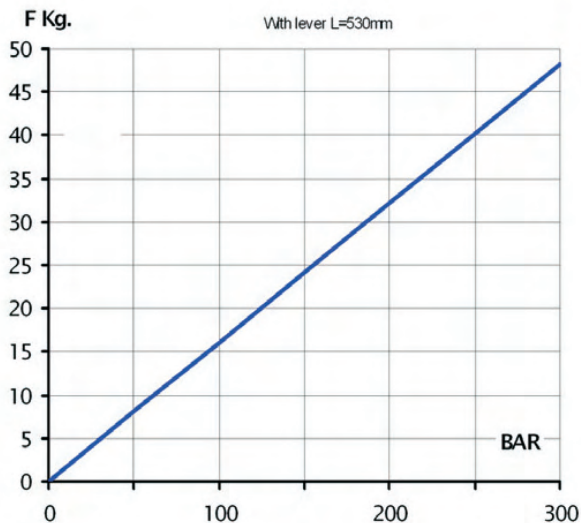
Materials:

- Aluminium valve housing
and lever connection

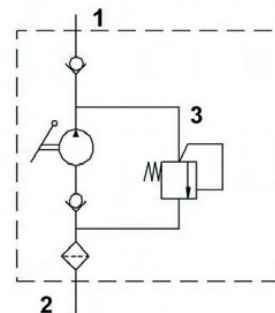
Weight (with lever) kg. ~2.7 (~3,6)

- 1 Pressure Port 1/4"G
- 2 Suction 1/4"G
- 3 Relief valve

TYPE	DELIVERY cm ³	PRESSURE Bar
GL315-VM	17	280



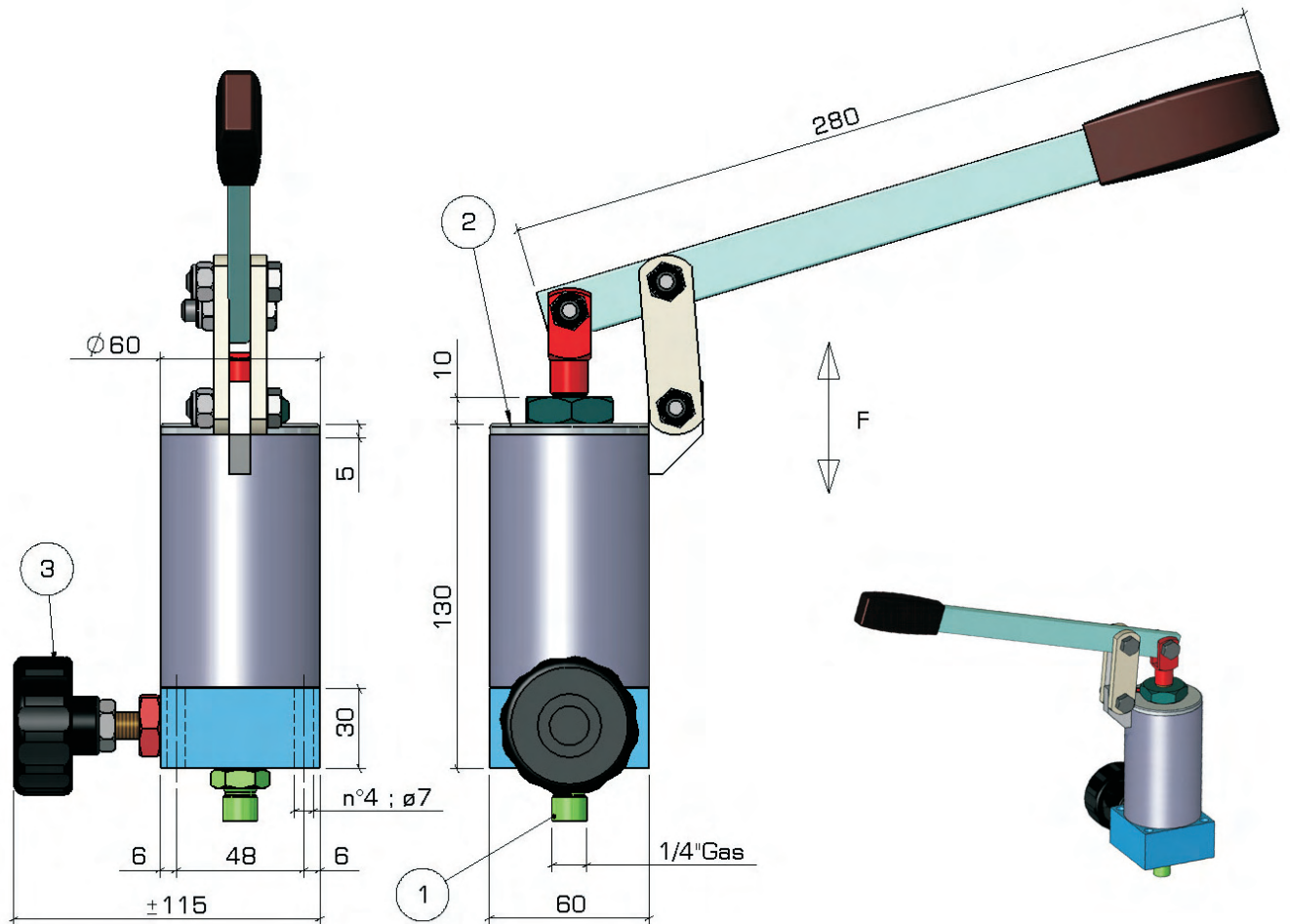
Mounting:
Any position



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 12 N

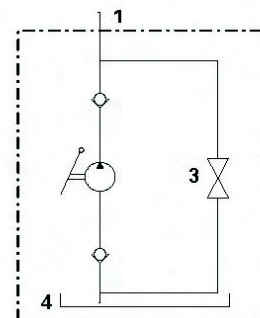
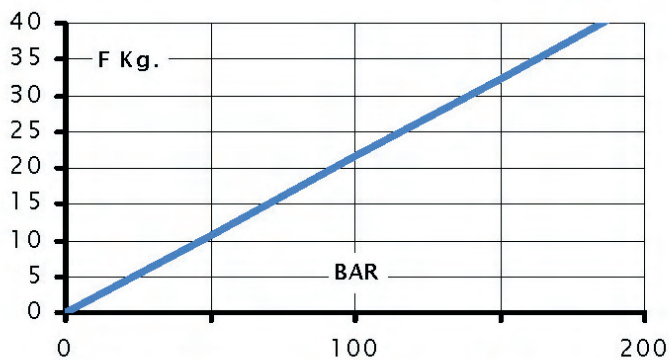
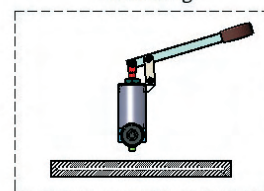
Double stroke function with release handknob for single acting cylinder



Weight kg. 1,7
Pressure Bar 180
Delivery Cc 2,8

- 1 Pressure Port
- 2 Filler Plug
- 3 Release Handknob
- 4 Tank L. 0,08

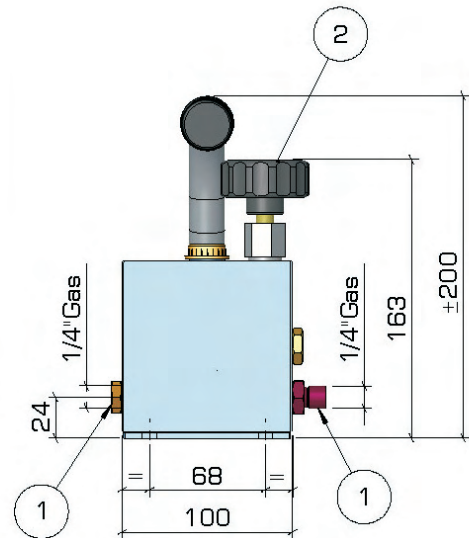
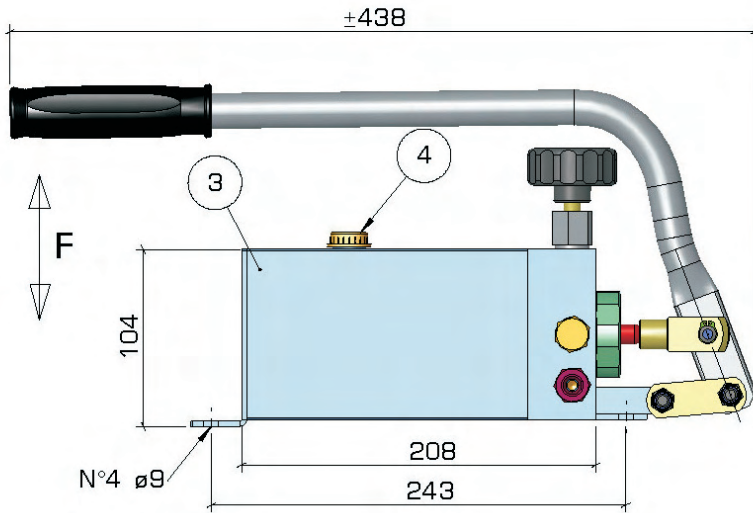
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GLDE 7

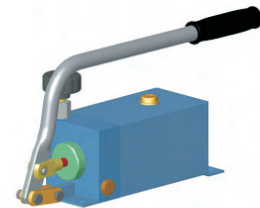
Double stroke function with release handknob for single acting cylinder



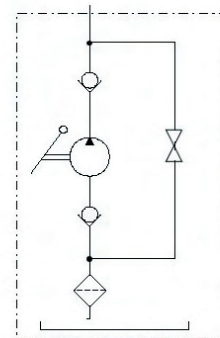
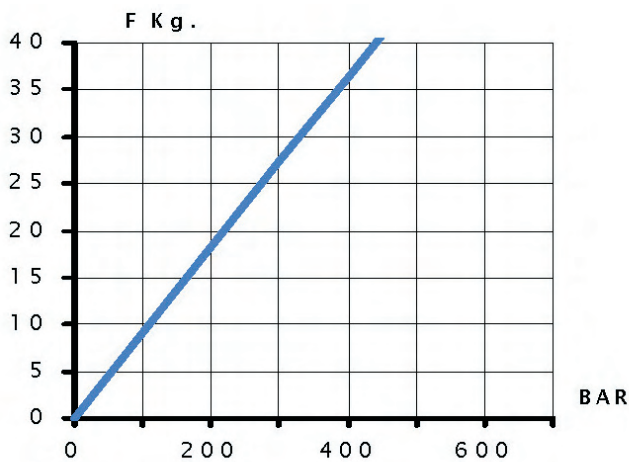
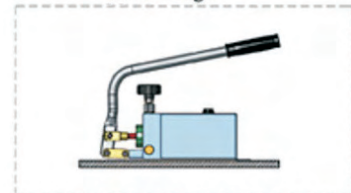
Weight (without Oil) kg. ~ 7

Delivery cc 7
Pressure Bar 400

- 1 Pressure Port
- 2 Release Handknob
- 3 Tank L. 1,5
- 4 Filler Plug



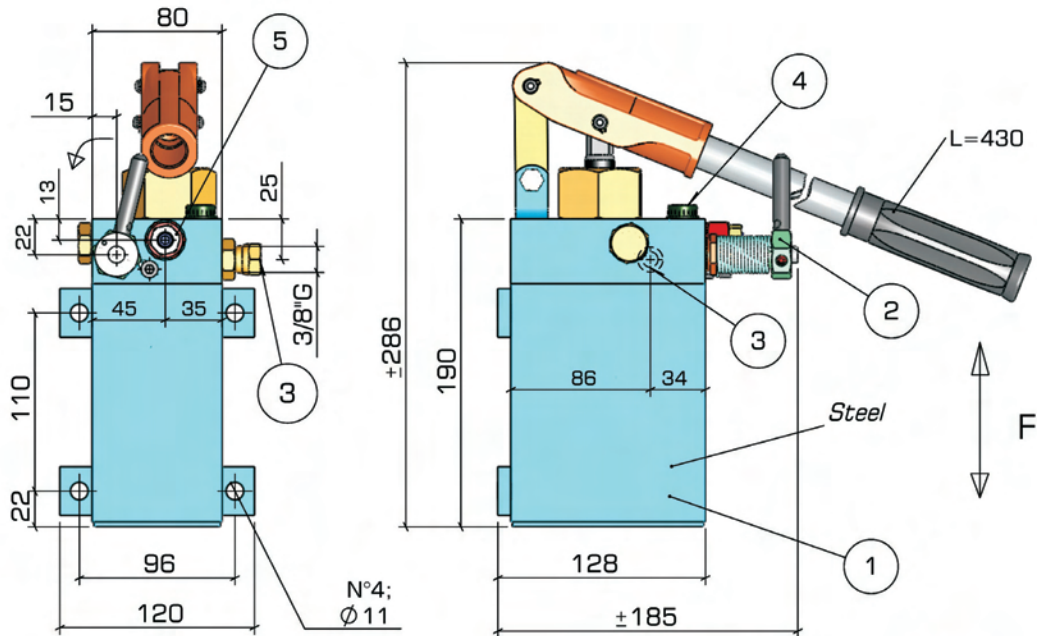
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

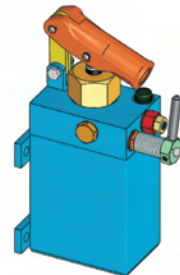
Hydraulic Hand Pump type GLS....-S1-VMRM

Double stroke function with release handknob and relief valve for single acting cylinder



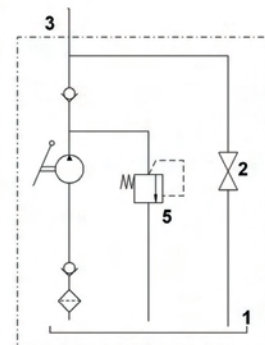
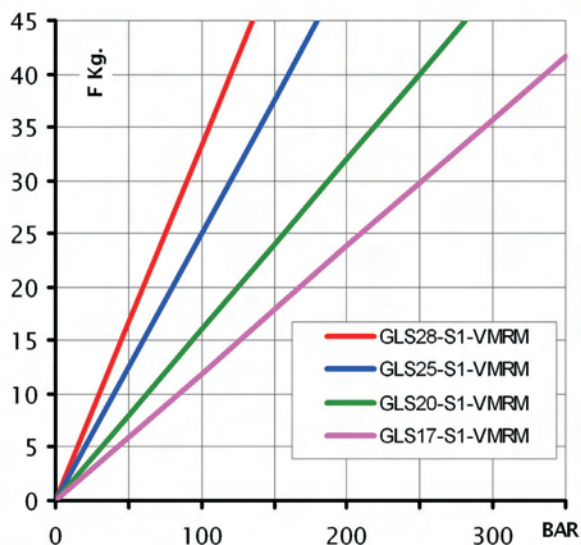
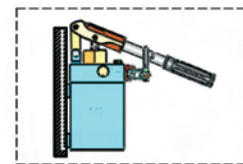
Weight kg. ~7

- 1 Tank L. 1
- 2 Release Handknob (normally closed)
- 3 Pressure Port
- 4 Filler Plug
- 5 Pressure relief setting



TYPE	DELIVERY cc	PRESSURE Bar
GLS 17-S1-VMRM	11	350
GLS20-S1-VMRM	16	250
GLS25-S1-VMRM	25	150
GLS28-S1-VMRM	32	130

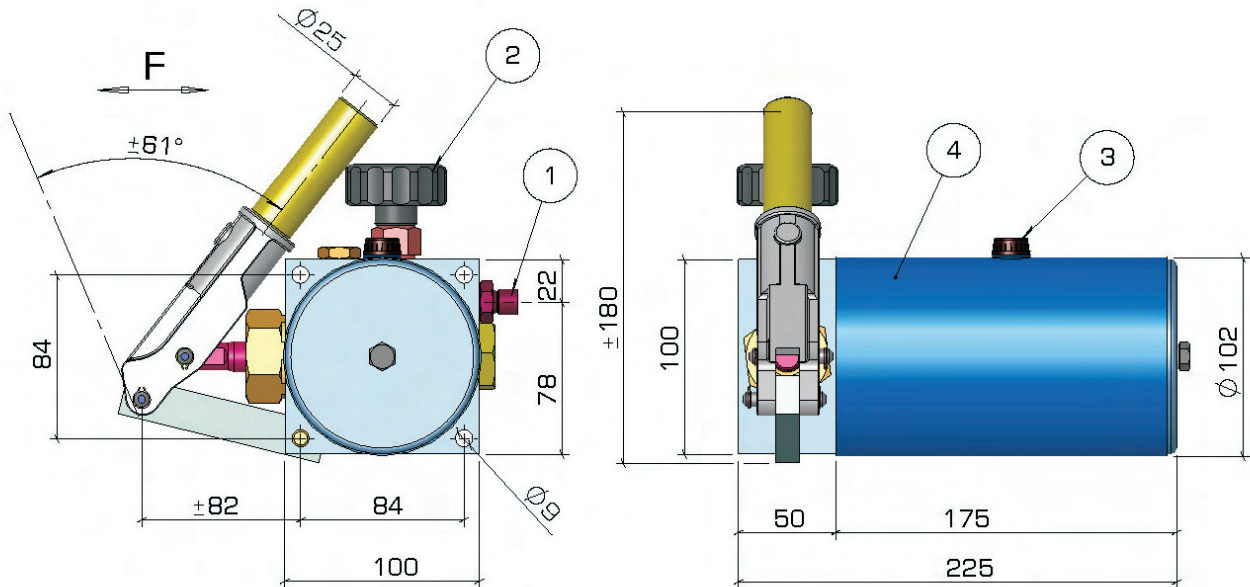
Working Position:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 170 M

Double stroke function with release handknob and relief valve
for single acting cylinder



Materials:

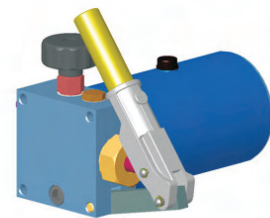
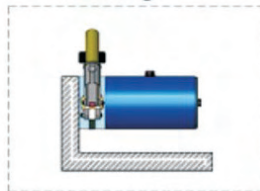
- Aluminium pump head
- Steel tank

Weight kg 5,0

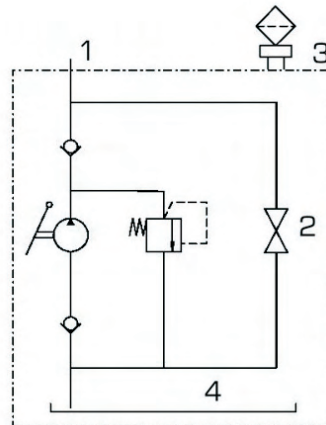
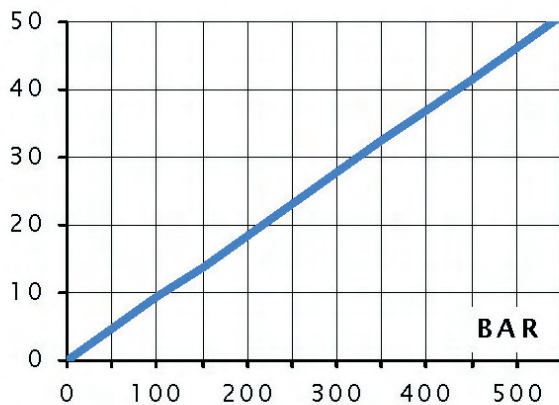
Pressure 500 Bar
Delivery 14 Cc

- 1 Pressure port 1/4"G
- 2 Release handknob
- 3 Filler plug
- 4 Tank 1L

Mounting:



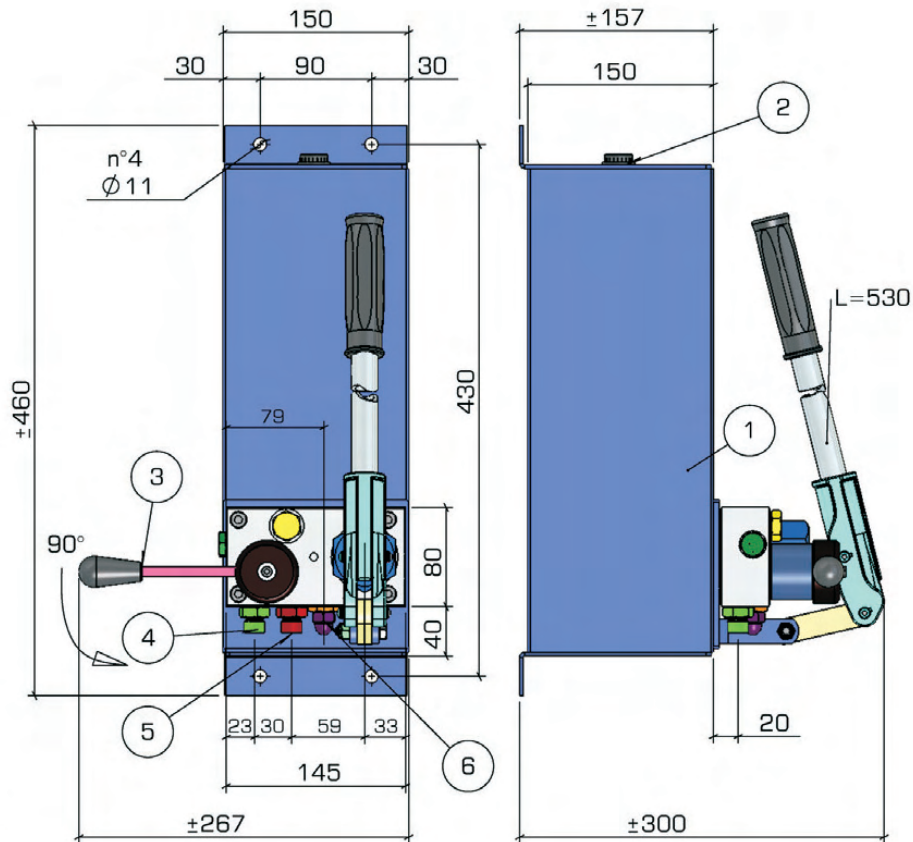
F Kg.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 207

Double stroke function with flow diverter and relief valve
for double acting cylinder

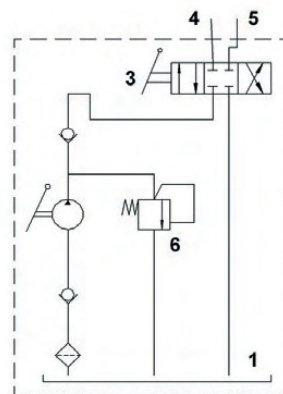
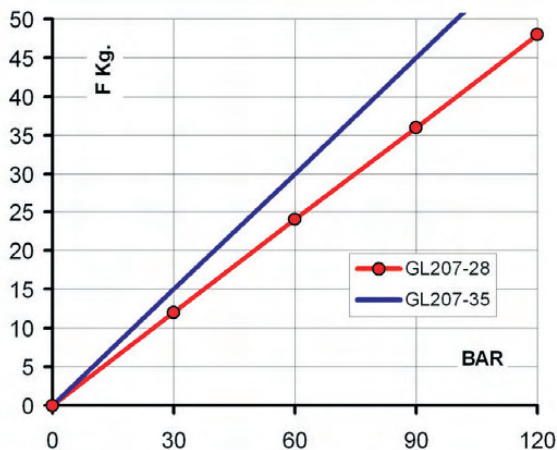
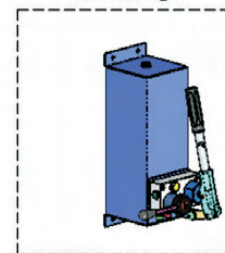


Weight Kg. 12

- 1 Tank L. 8
- 2 Filler Plug
- 3 Oil Flow Diverter Lever
- 4 Pressure Port 1
- 5 Pressure Port 2
- 6 Relief Valve

TYPE	DELIVERY cm ³	PRESSURE Bar
GL207-28	32	150
GL207-35	40	90

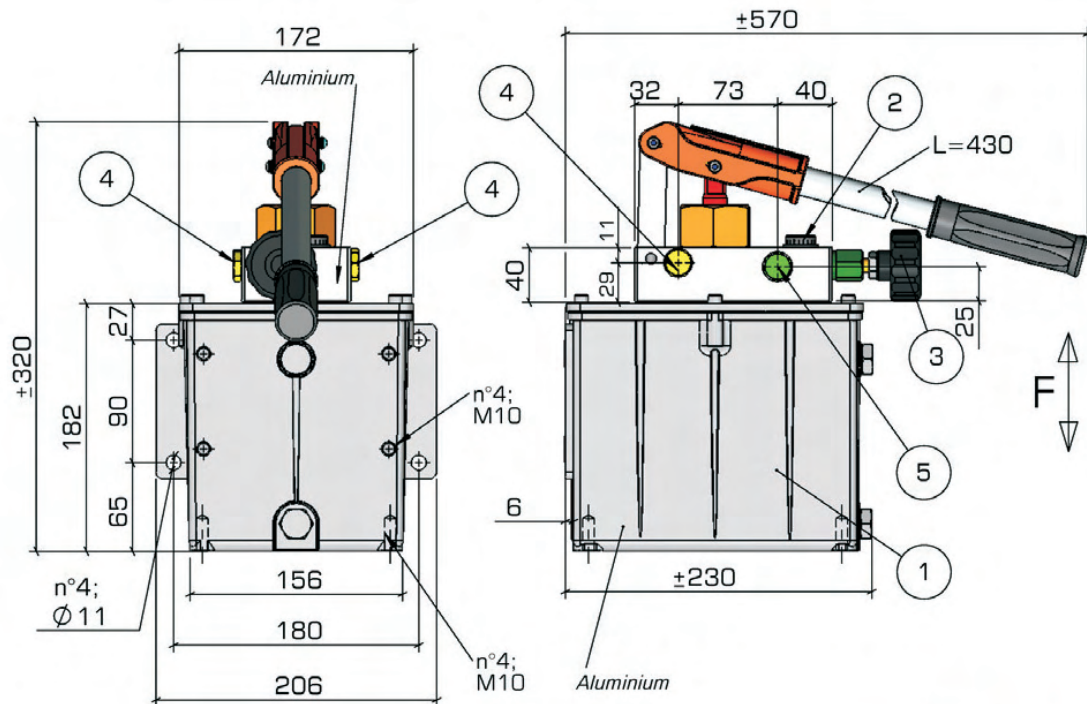
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 286

Double stroke function with flow diverter
for differential double acting cylinder

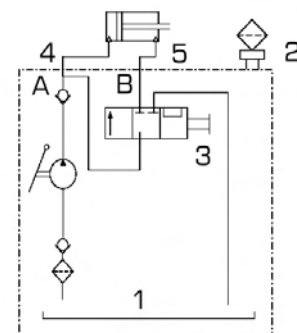
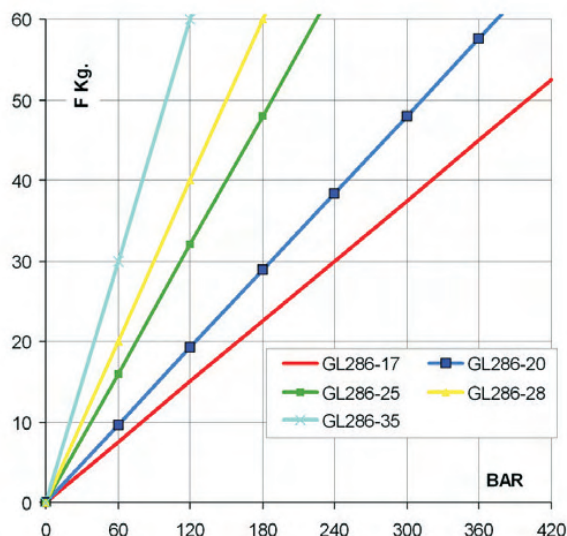
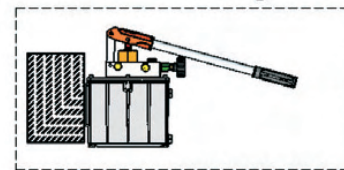


- 1 Tank L 4
- 2 Filler Plug
- 3 Flow Diverter handknob
- 4 n°2 Pressure Ports 1(1/4"G)
- 5 n°2 Pressure Ports 2(1/4"G)



TYPE	DELIVERY cm ³	PRESSURE Bar
GL286-17	11	380
GL286-20	16	280
GL286-25	25	180
GL286-28	32	150
GL286-35	40	100

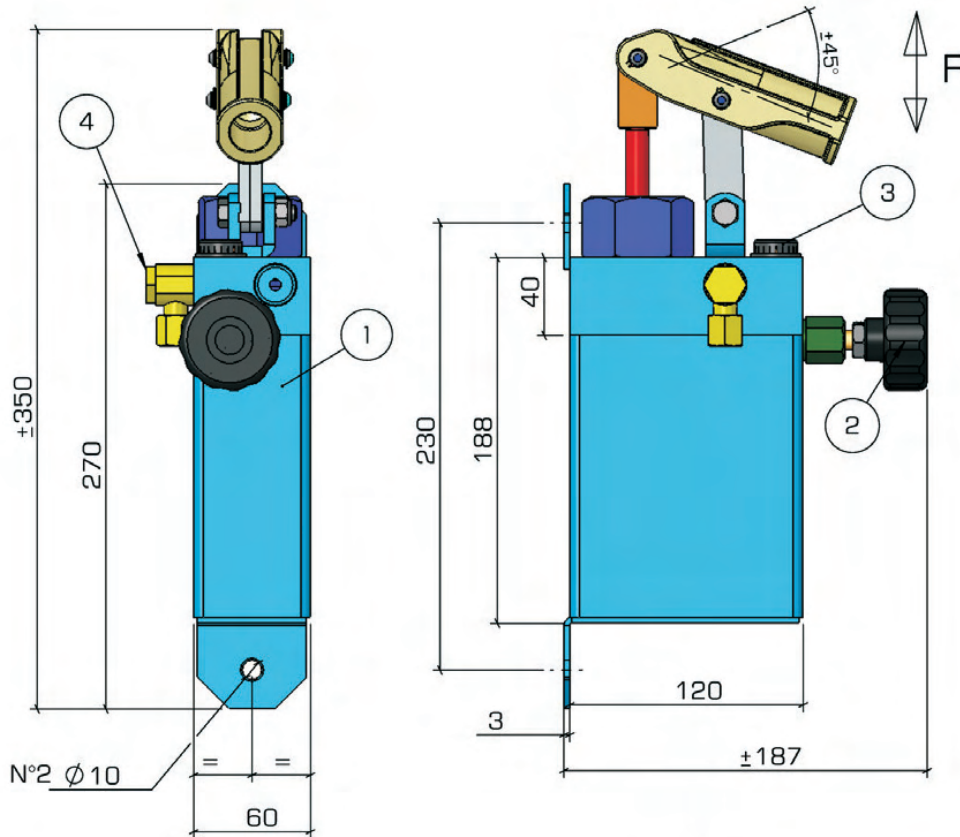
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 289

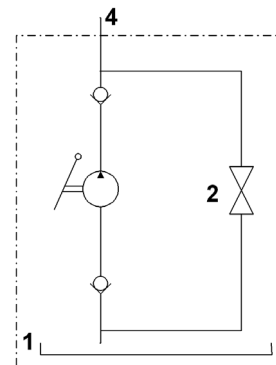
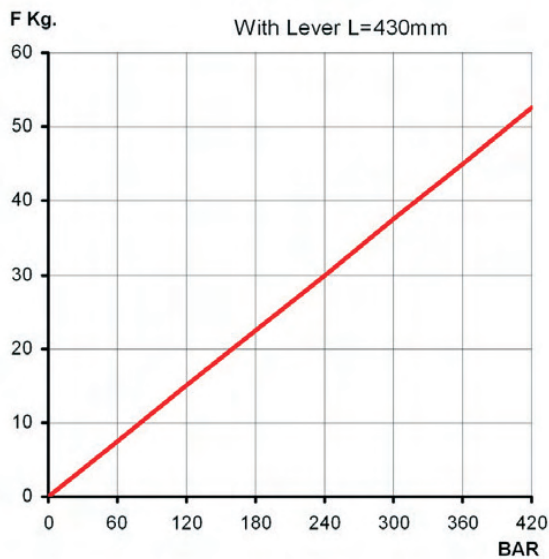
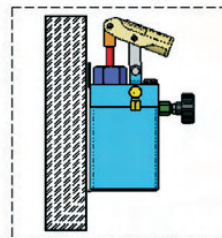
Double stroke function with release handknob for single acting cylinder



Weight Kg. ~6,3 - 6,5
Pressure 380 Bar
Delivery 11Cc

- 1 Tank L 0,6
- 2 Release handknob
- 3 Filler Plug
- 4 Pressure Port

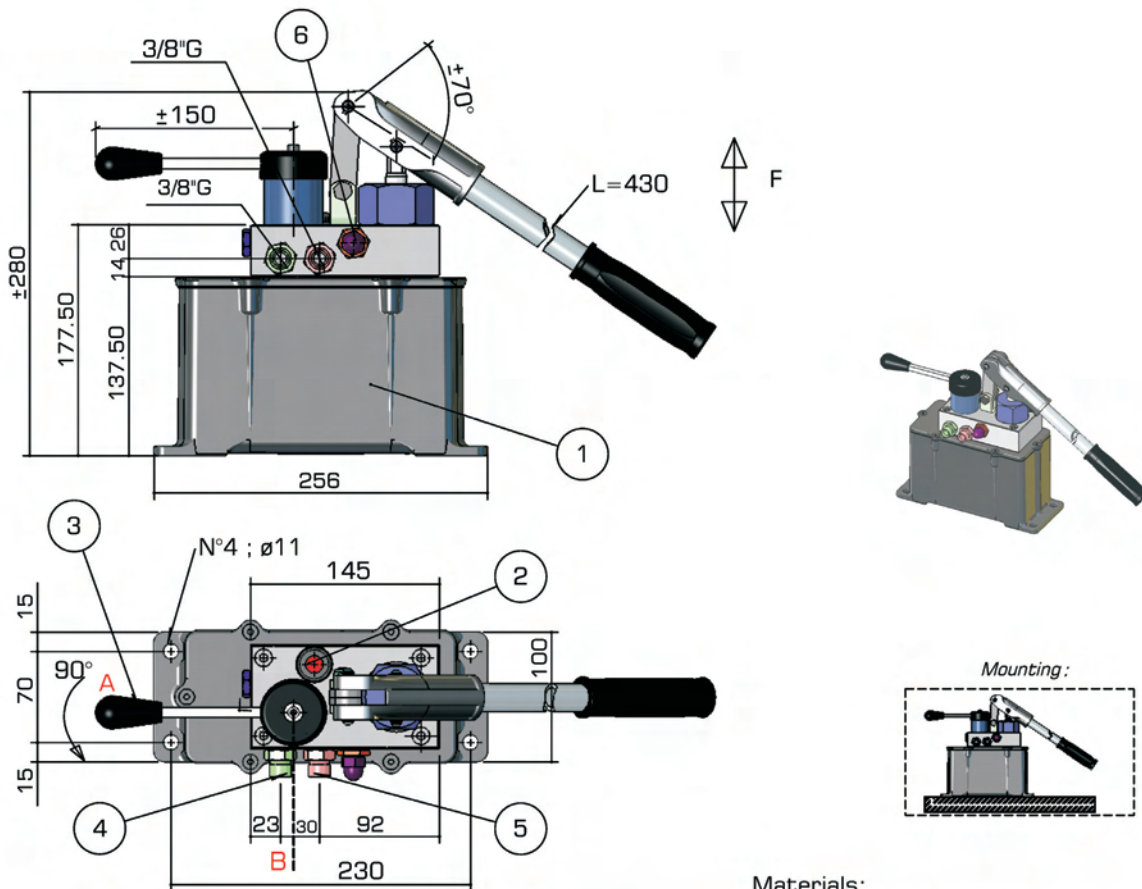
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 290

Double stroke function with flow diverter for double acting cylinder



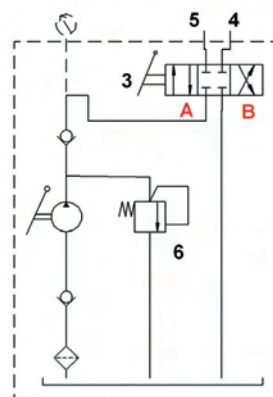
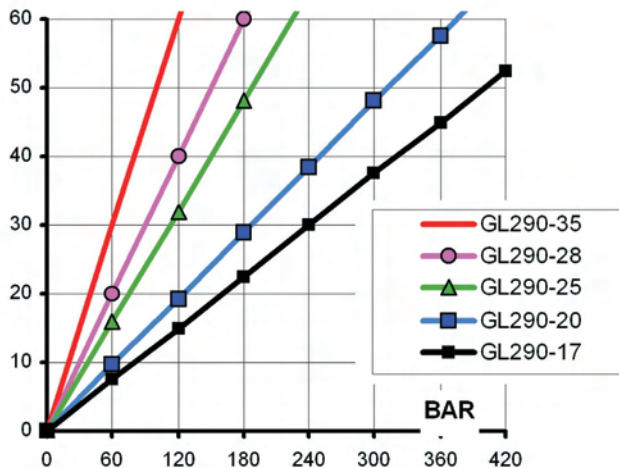
Materials:
Aluminium pump head and tank

Weight (without oil) Kg. ~6-6,5

- 1 Tank L 2,2
- 2 Filler Plug
- 3 Oil Flow Diverter Lever
- 4 Pressure Port 1
- 5 Pressure Port 2
- 6 Relief valve setting

TYPE	DELIVERY cm ³	PRESSURE Bar
GL290-17	11	380
GL290-20	16	280
GL290-25	25	180
GL290-28	32	150
GL290-35	40	100

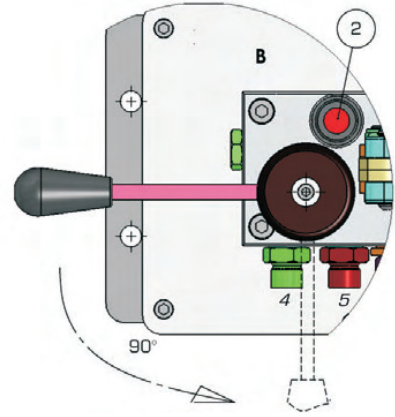
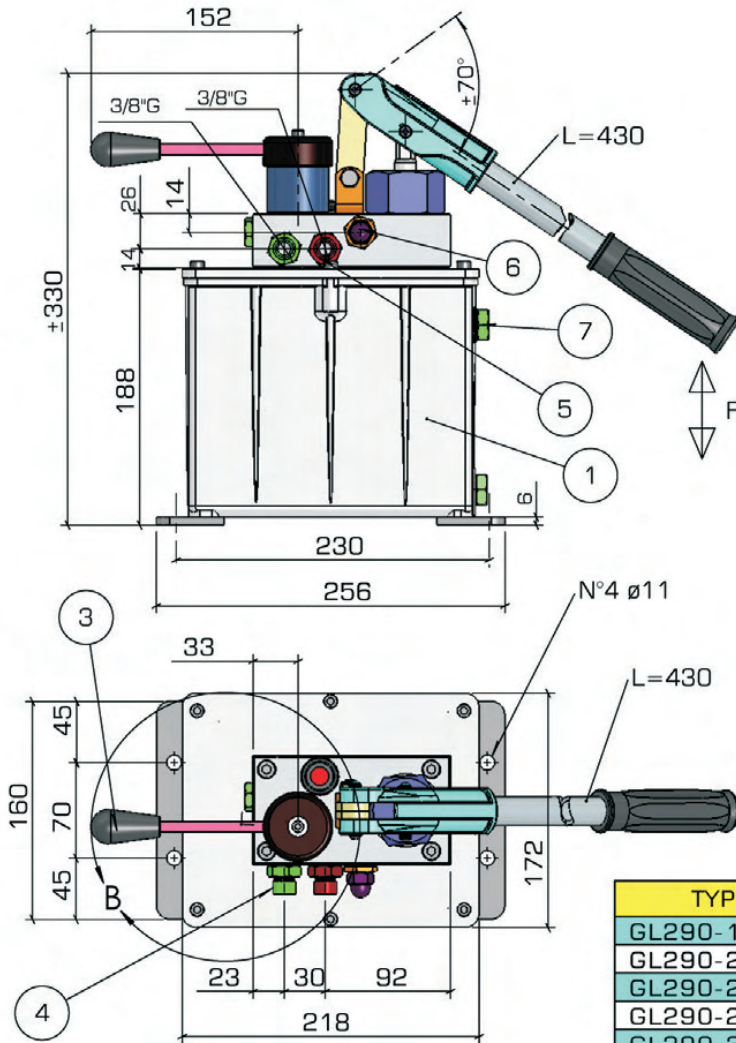
F Kg.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 290 4L

Double stroke function with flow diverter for double acting cylinder

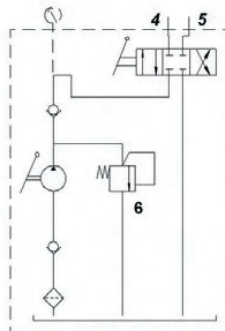
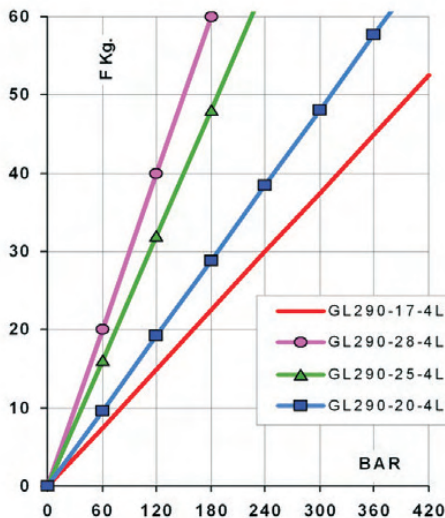


Materials:
- Aluminium pump head and tank

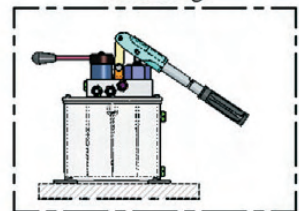
TYPE	DELIVERY cm ³	PRESSURE Bar
GL290-17-4L	11	380
GL290-20-4L	16	280
GL290-25-4L	25	180
GL290-28-4L	32	150
GL290-35-4L	40	100

Weight Kg. ~8,5-9

- 1 Tank L 4
- 2 Filler Plug 1/2" g
- 3 Oil Flow Diverter Lever
- 4 Male Pressure Port 1
- 5 Male Pressure Port 2
- 6 Relief Valve
- 7 Oil Level



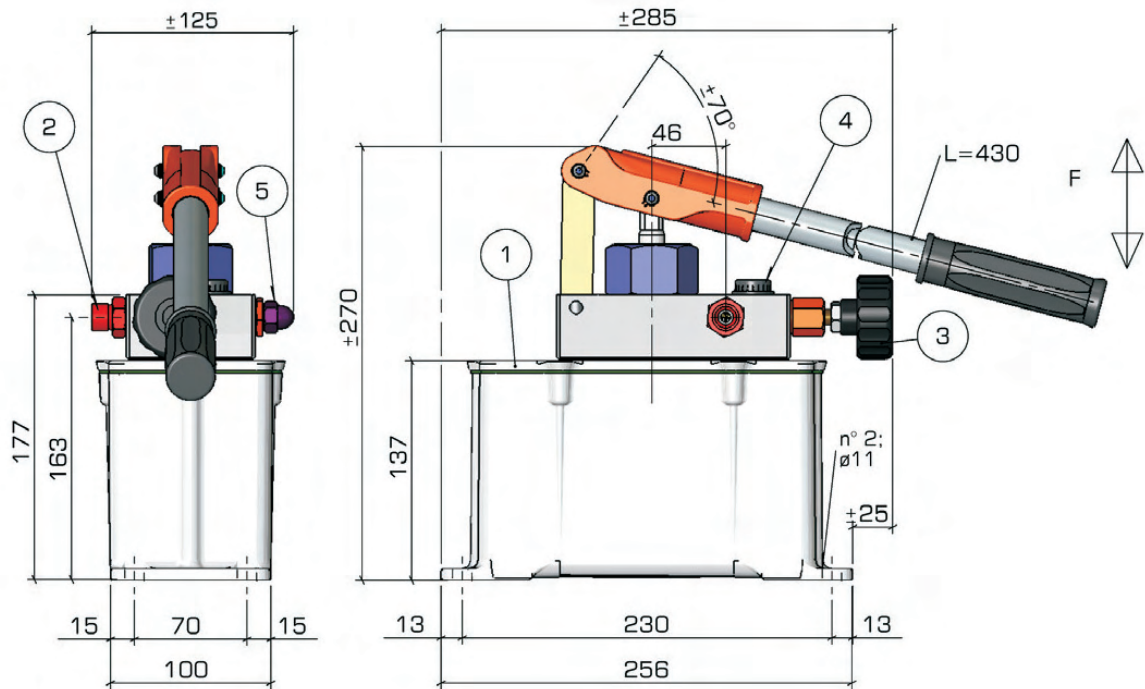
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 292

Double stroke function with relief valve and release handknob for single acting cylinder

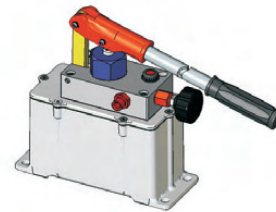


Materials:

- Alluminium pump head and tank

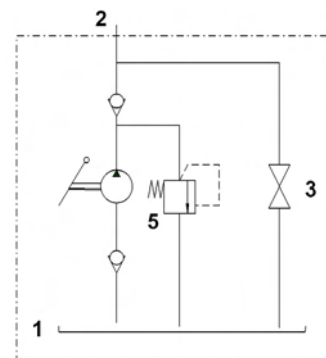
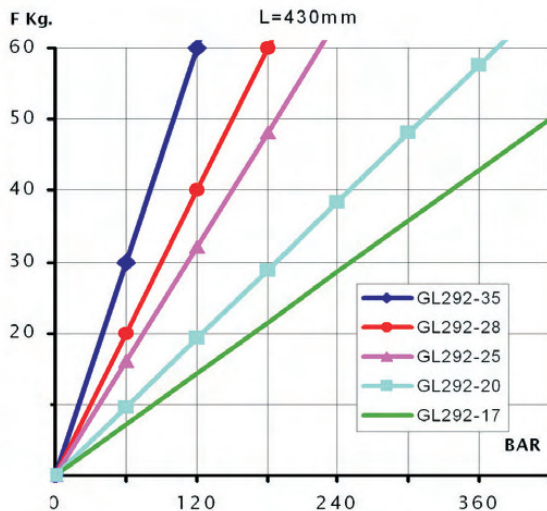
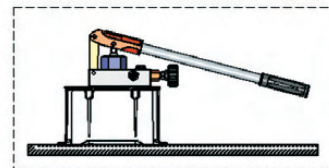
Weight (without oil) Kg. 5.8-6.3

- 1 Tank L 2.2
- 2 Pressure Port 3/8"G
- 3 Release Handknob
- 4 Filler Plug
- 5 Relief valve Setting



TYPE	DELIVERY cc	PRESSURE Bar
GL292-17	11	380
GL292-20	16	280
GL292-25	25	180
GL292-28	32	150
GL292-35	40	100

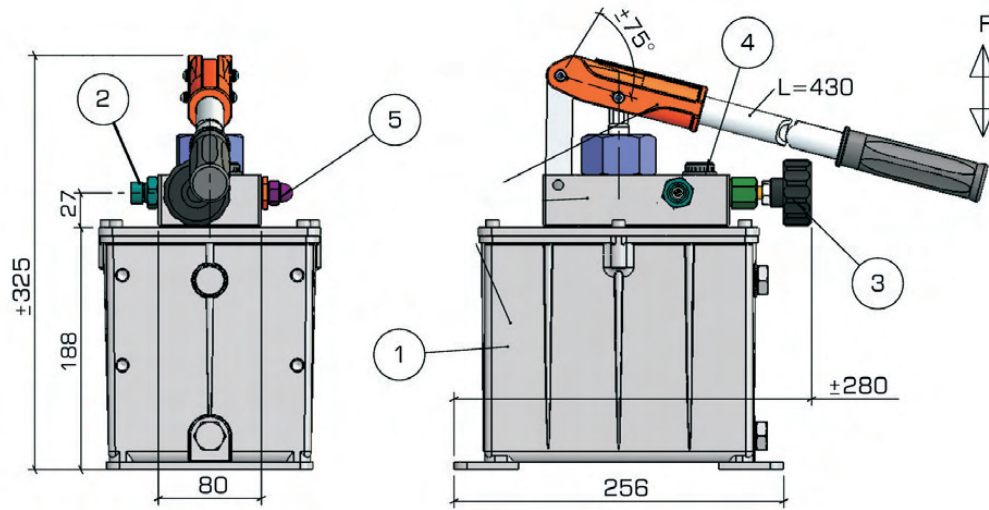
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 292 4L

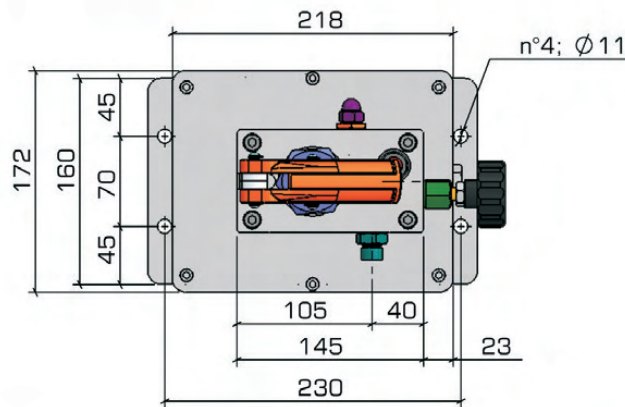
Double stroke function with relief valve and release handknob for single acting cylinder



Materials:
- Aluminium pump head,
lever connection and tank

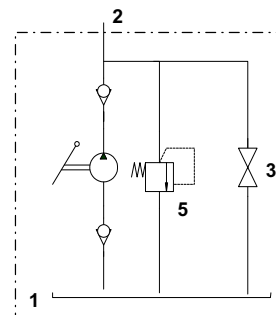
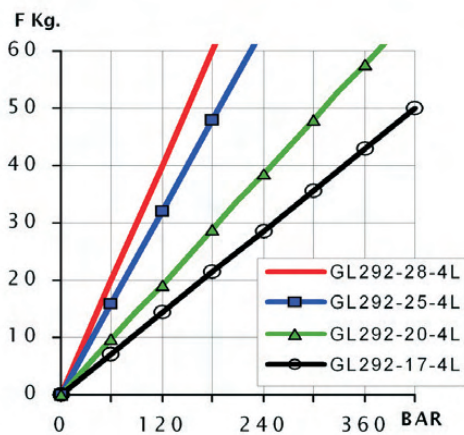
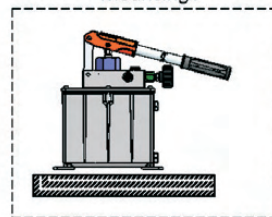
Weight ~Kg.8-8.5

- 1 Tank L 4
- 2 Pressure Port 3/8"G
- 3 Release Hanknob
- 4 Filler Plug
- 5 Relief Valve Setting



TYPE	DELIVERY cc	PRESSURE Bar
GL292-17-4L	11	380
GL292-20-4L	16	280
GL292-25-4L	25	180
GL292-28-4L	32	150

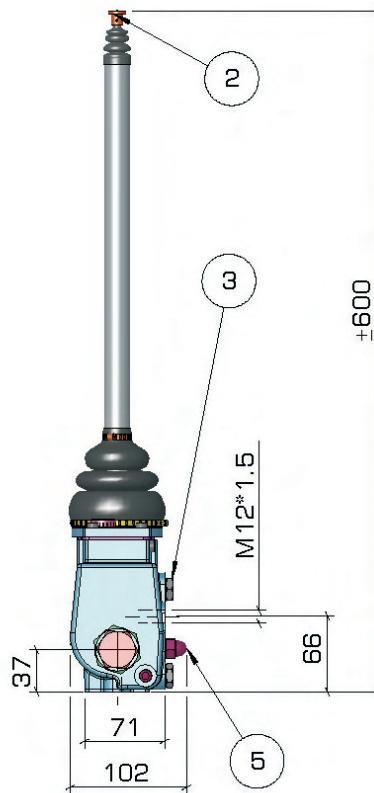
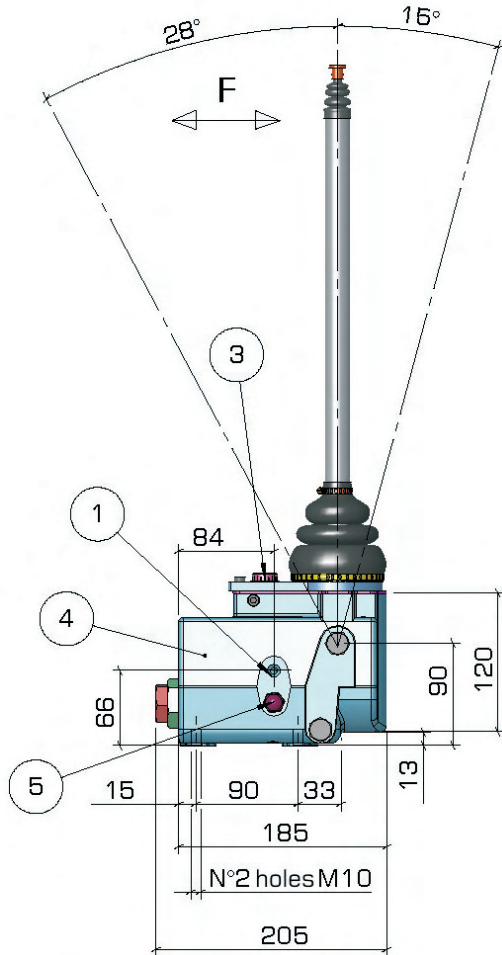
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type PM 22

Double stroke function with relief valve and release push-button for single acting cylinder

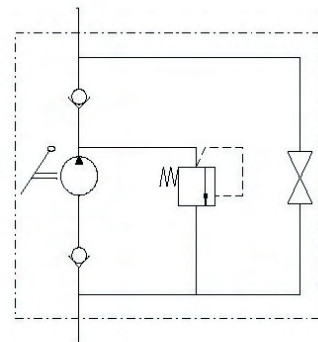
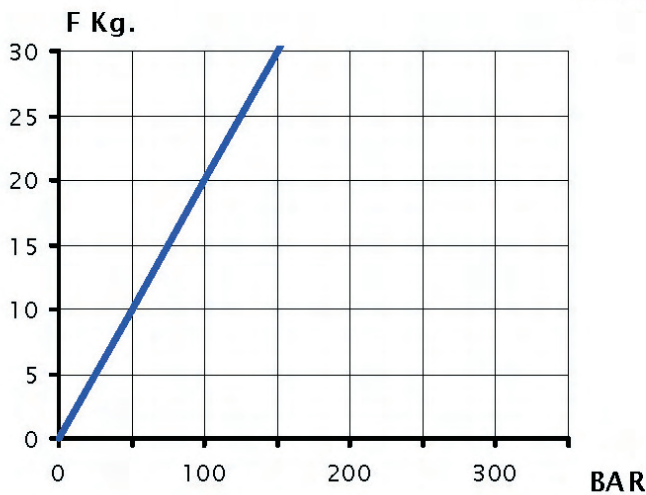


Mounting:



Weight (without oil) kg. 7,5
Pressure Bar 100
Delivery cc 10,6

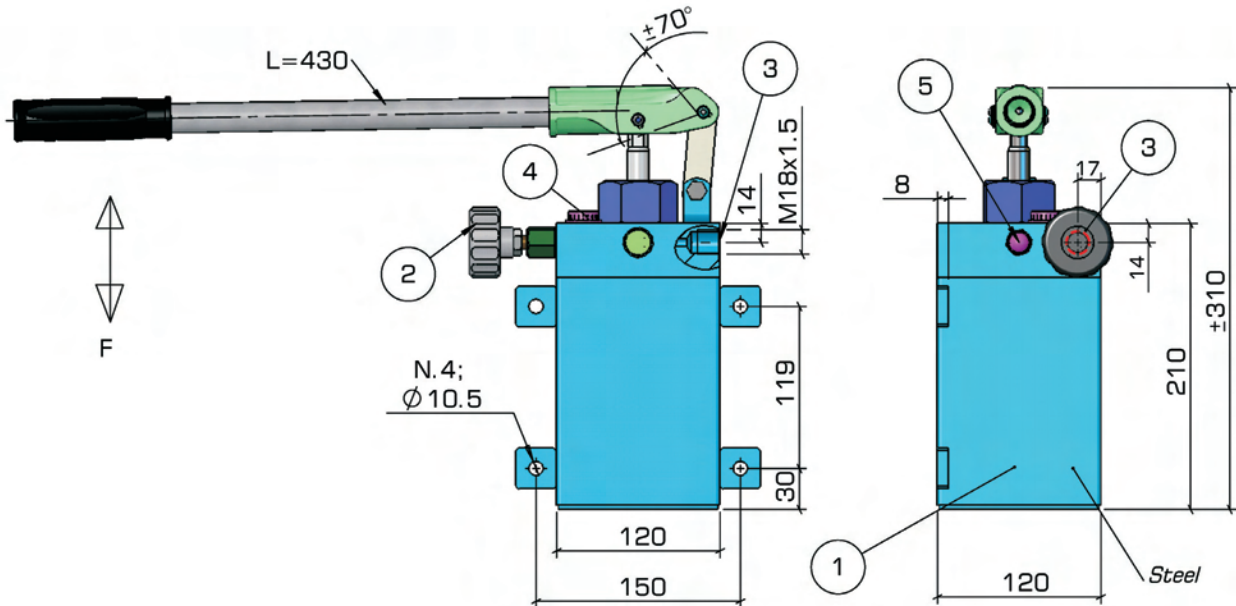
- 1 Pressure Port
- 2 Release Push Button
- 3 Filler Plug
- 4 Tank L. 0,500
- 5 Max Pressure Setting



Dimensions and characteristics not binding. Modifications reserved without prior notice.

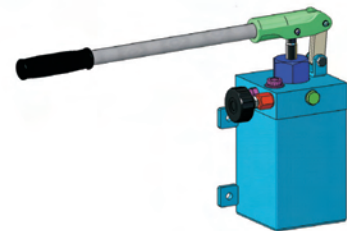
Hydraulic Hand Pump type PMS 31

Double stroke function with relief valve and release handknob for single acting cylinder

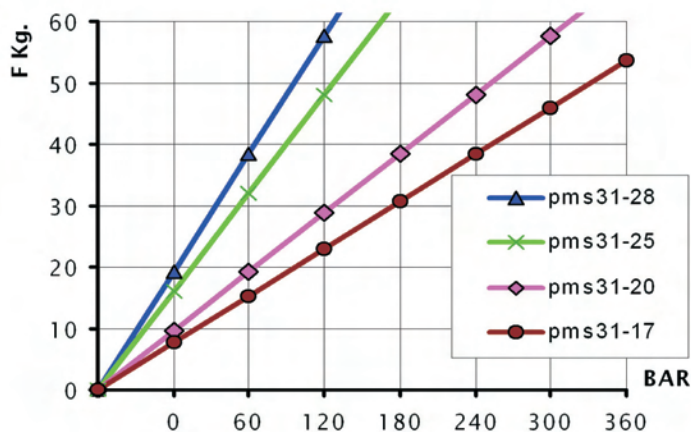


Weight ~kg. 10

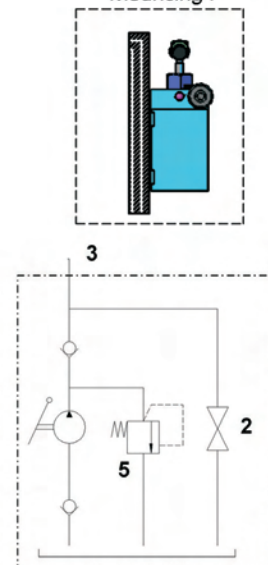
- 1 Tank L. 1,6
- 2 Release Handknob
- 3 Pressure Port
- 4 Filler Plug
- 5 Relief valve Setting



TYPE	DELIVERY cm ³	PRESSURE Bar
PMS31-17	11	380
PMS31-20	16	280
PMS31-25	25	180
PMS31-28	32	150



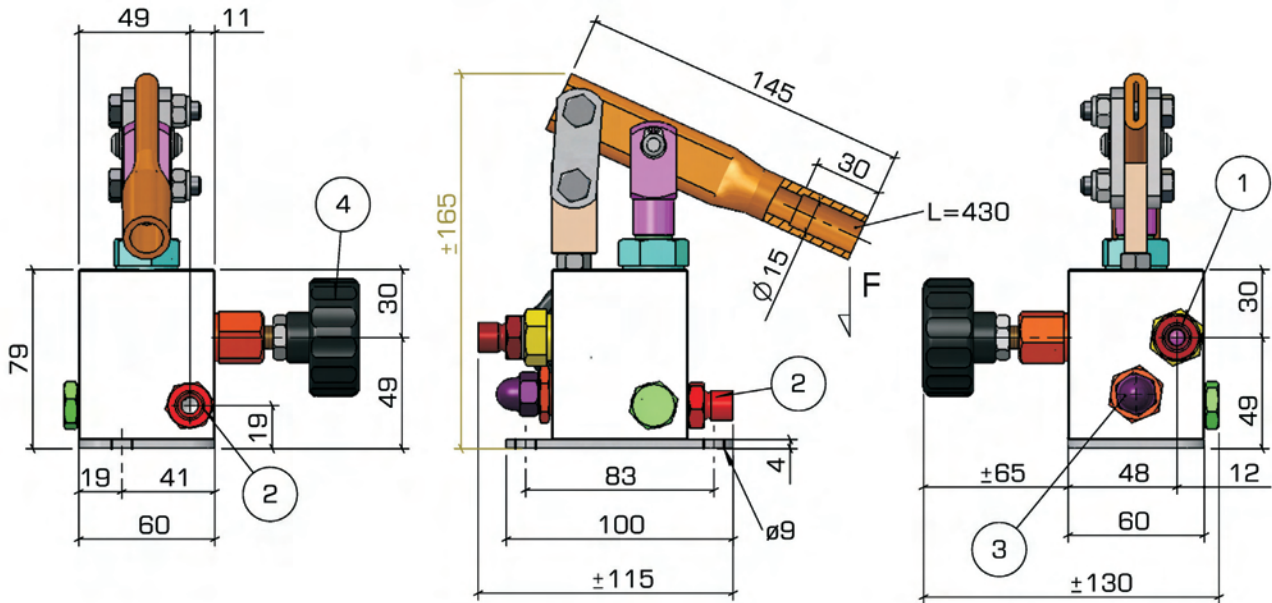
Mounting :



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 16 ALL

Single acting function with relief valve and release handknob
for single acting cylinder

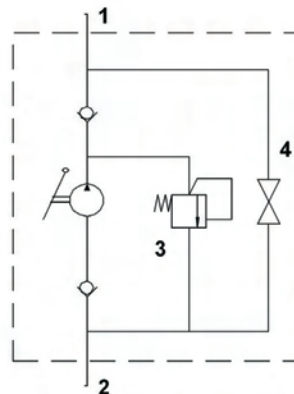
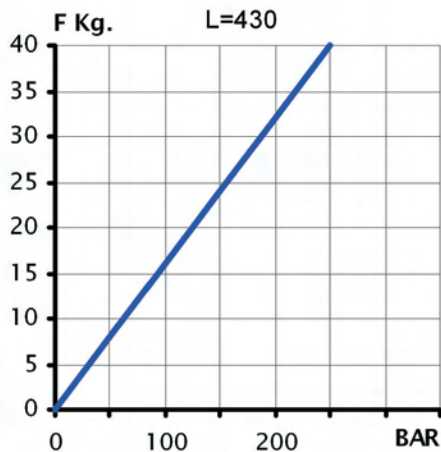
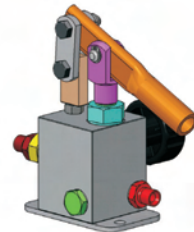


Weight: ~kg. 1.7
Pressure: Bar 250
Delivery: Cc ~5,5
Alluminium Body

1 Pressure Port 1/4"G
2 Suction 1/4"G
3 Relief valve Setting
4 Release Handknob

Mounting:

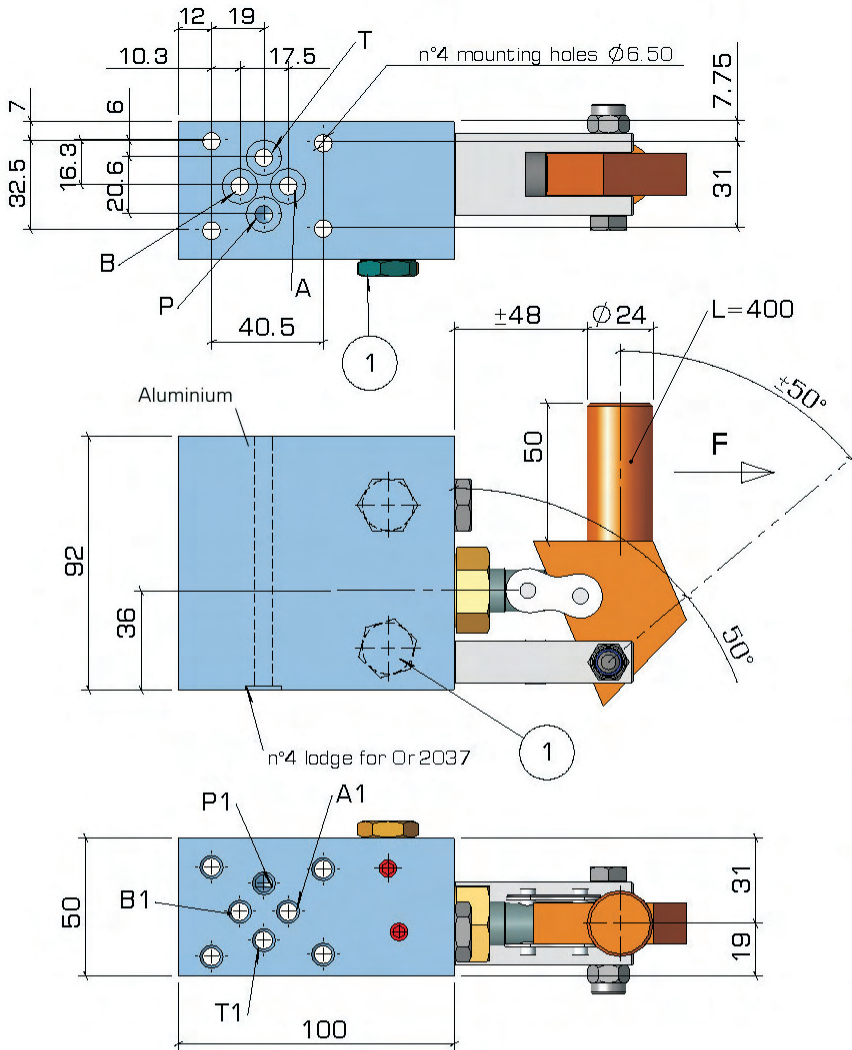
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 186 M

Sandwich type Single acting function



Mounting :

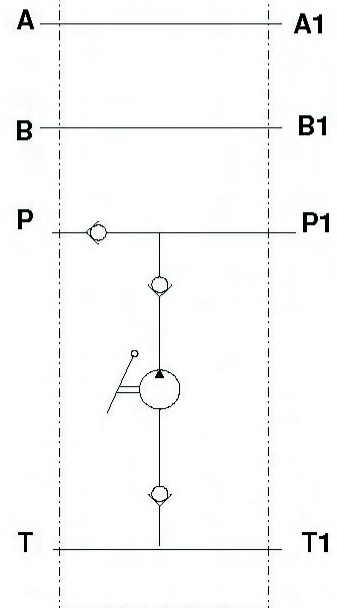
Any position

Pressure: Bar 300
Delivery: Cc 3,5
Peso - Weight kg. 1,8

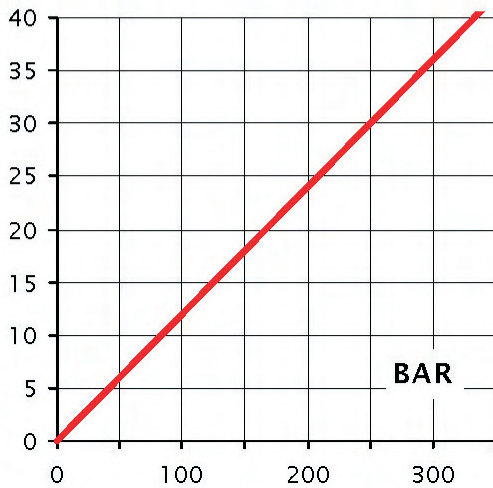
Mounting on plan
CETOP 4.2.4-03-350
Iso/CD 4401-03

T-T1 Suction
P-P1 Pressure port
1 Pressure Port 3-8"g

O-Ring side



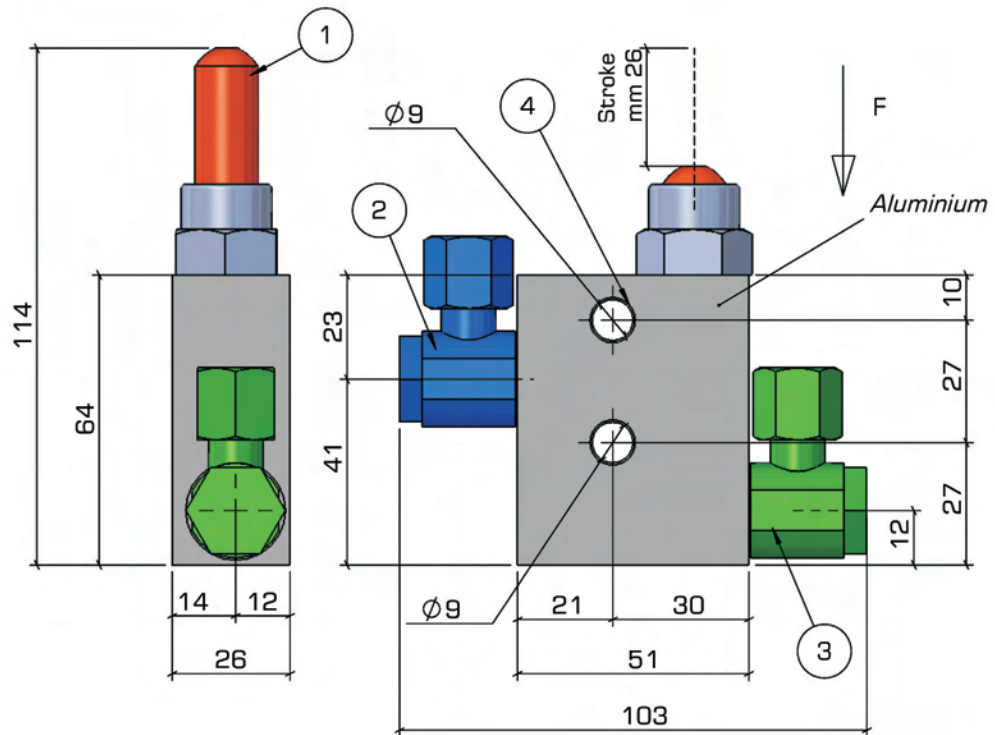
F Kg.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

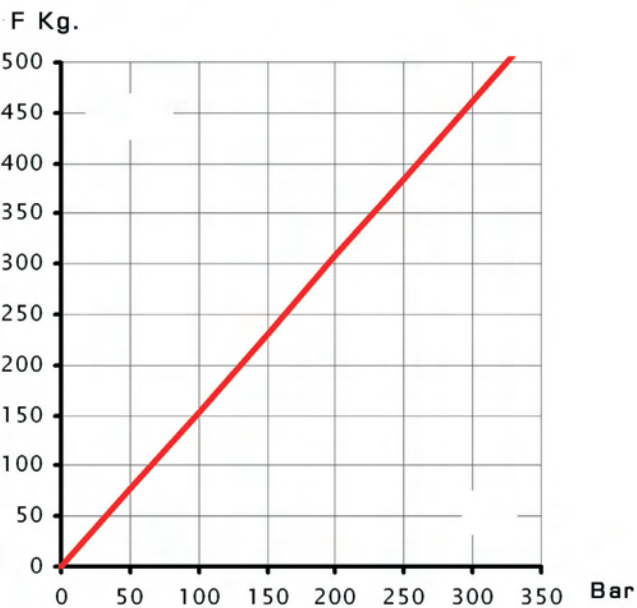
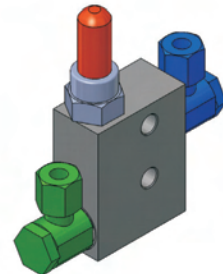
Hydraulic Hand Pump type GL 246

Single acting function for single acting cylinder



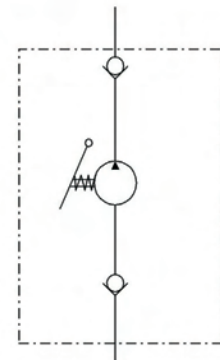
Weight ~0,4 Kg
Delivery ~4Cc
Pressure 200Bar
Stroke 26mm

- 1 Piston
- 2 Pressure port (1/4"swivel for Ø8 pipe)
- 3 Suction(1/4"swivel for Ø8 pipe)
- 4 Mounting Holes



Mounting:

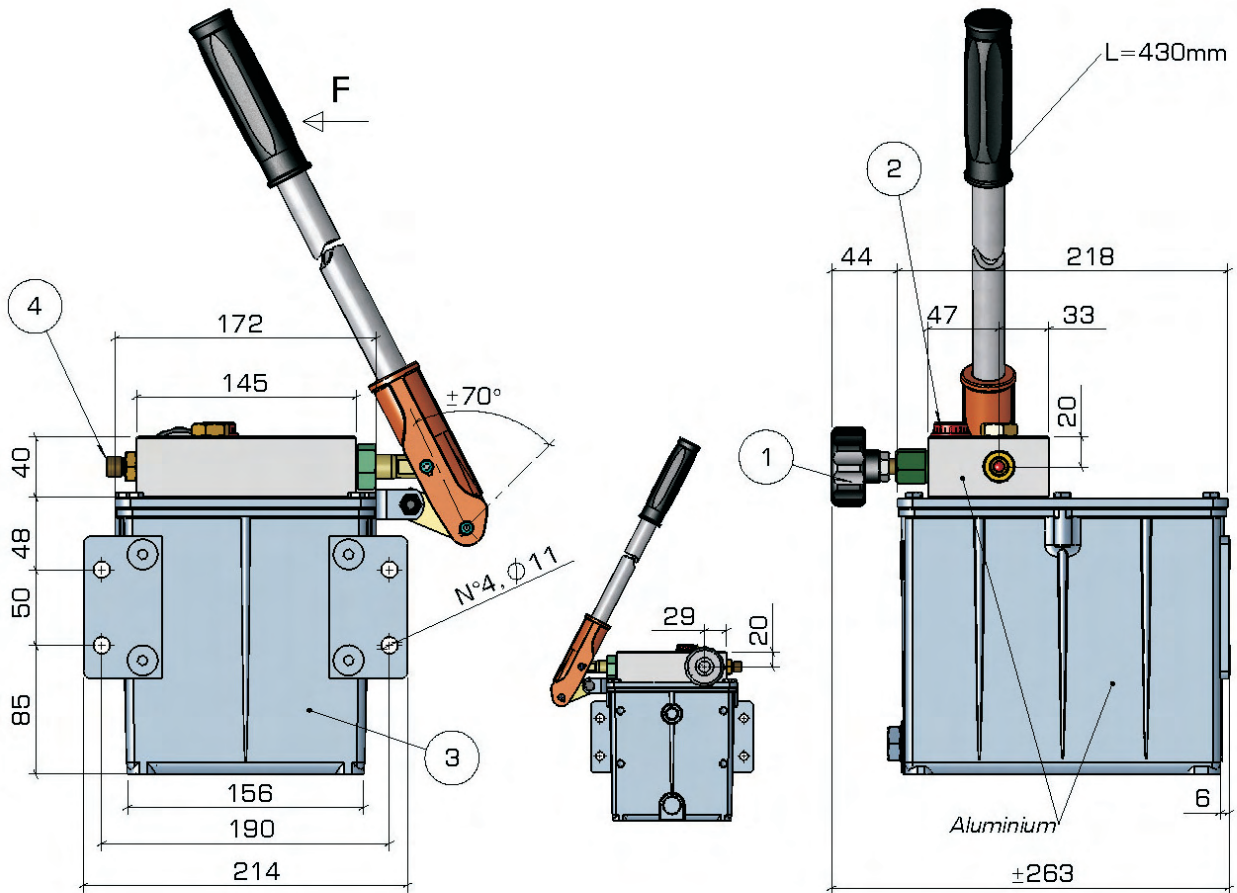
Any position.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

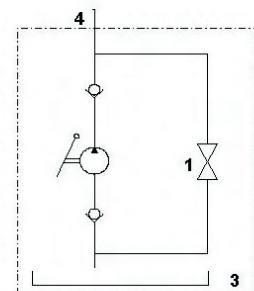
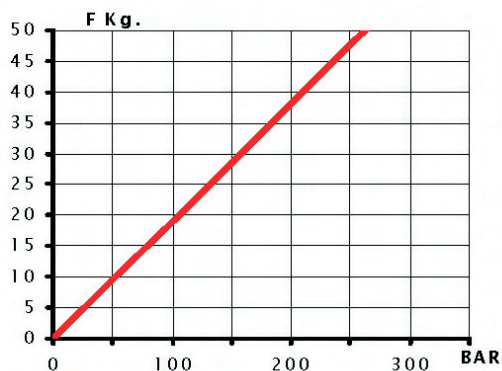
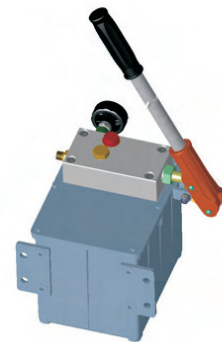
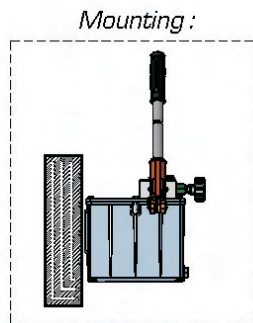
Hydraulic Hand Pump type GLSE 16 AL

Single acting function for single acting cylinder



Weight Kg. ~7.5
Delivery cc 11
Pressure 250 Bar

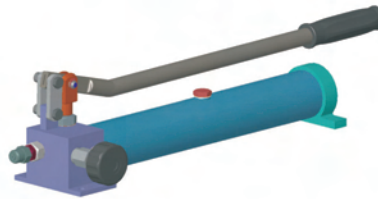
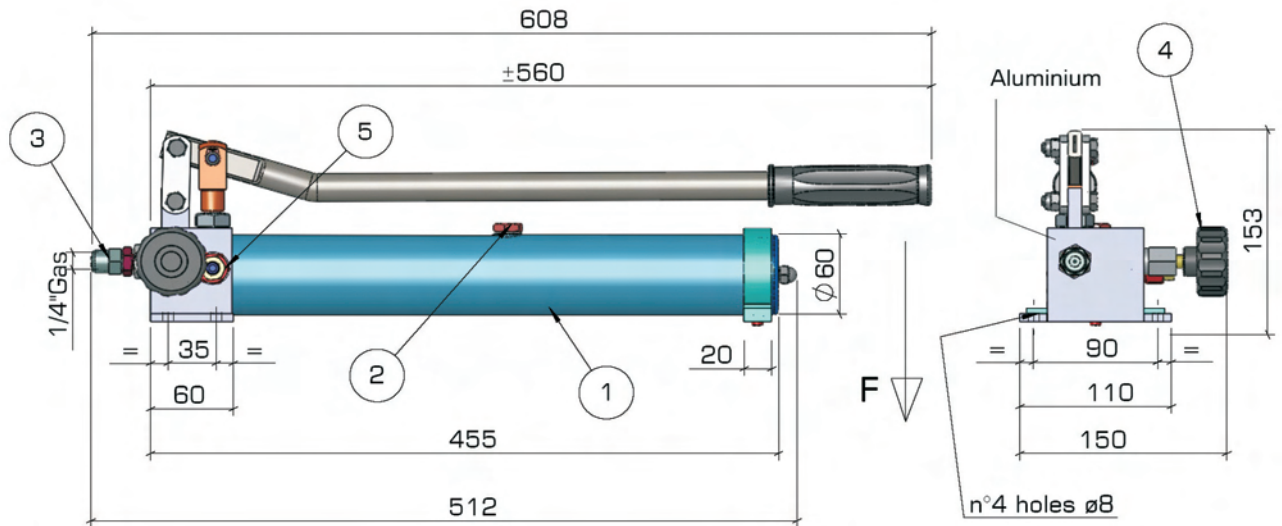
- 1 Release Handknob
- 2 Filler Plug
- 3 Tank 3L.
- 4 Pressure Port 1/4" g



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 1V AL

Single acting function with relief valve and release handknob
for single acting cylinder

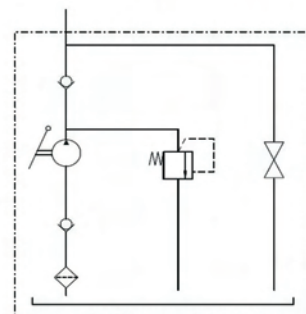
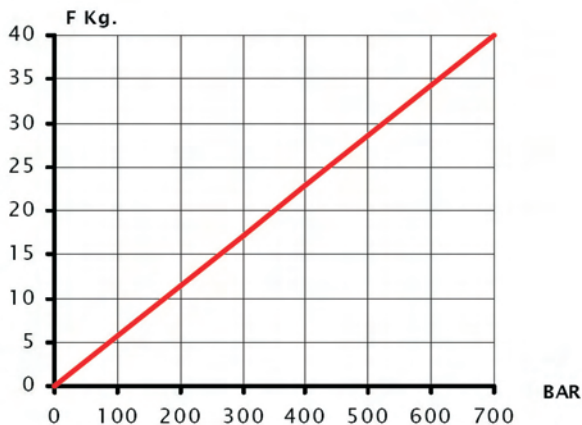
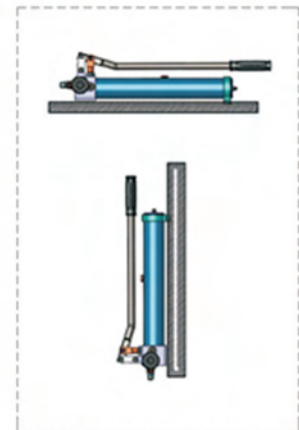


Weight (with oil) kg. 6,7

Pressure Bar 700
Delivery Cc 2,8

- 1 Tank L. 0,7
- 2 Filler Plug
- 3 Pressure Port
- 4 Release Handknob
- 5 Max. Pressure Setting

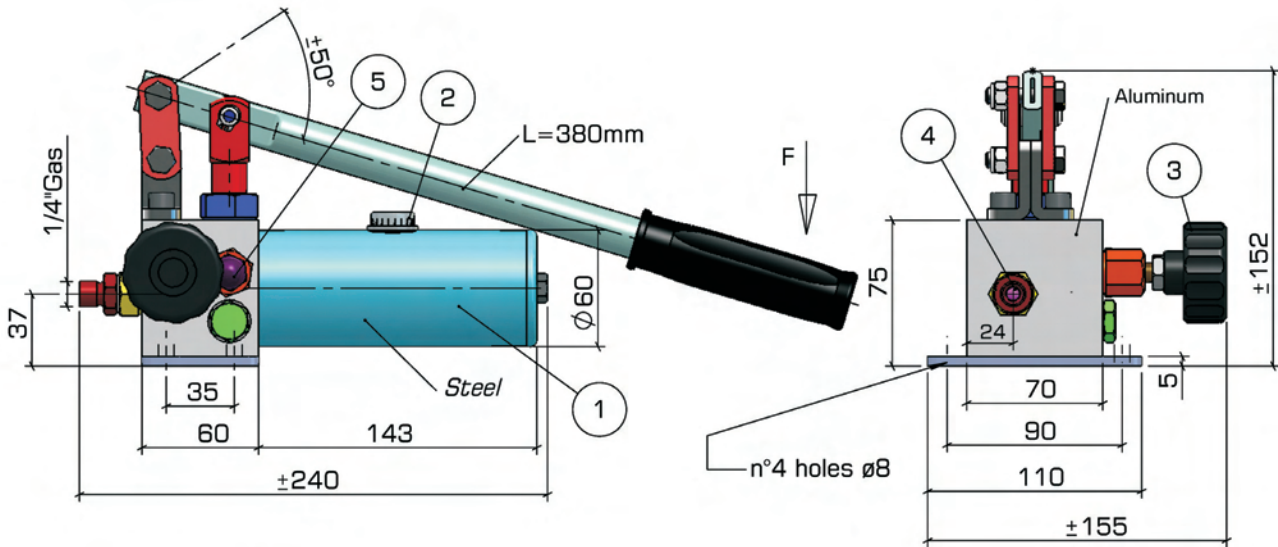
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

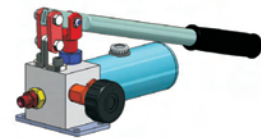
Hydraulic Hand Pump type GL 12 DAL

Single acting function with relief valve and release handknob
for single acting cylinder

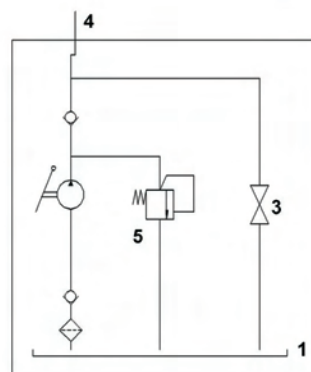
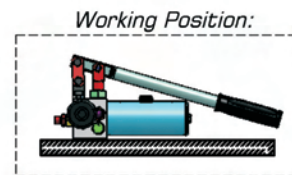
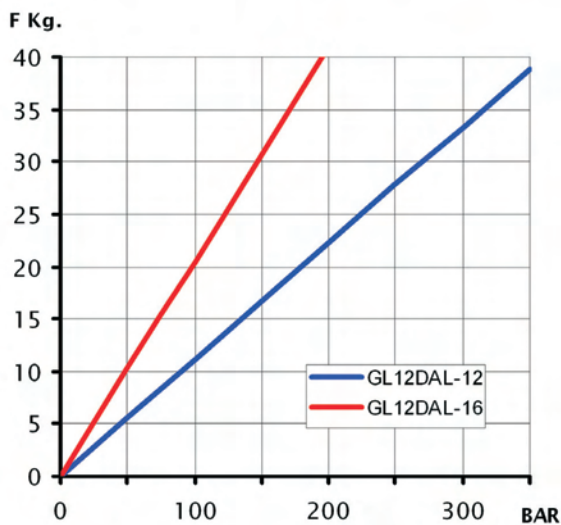


Weight kg. ~3.0

- 1 Tank L. 0,350
- 2 Filler Plug
- 3 Release Handknob
- 4 Pressure Port
- 5 Pressure relief Valve



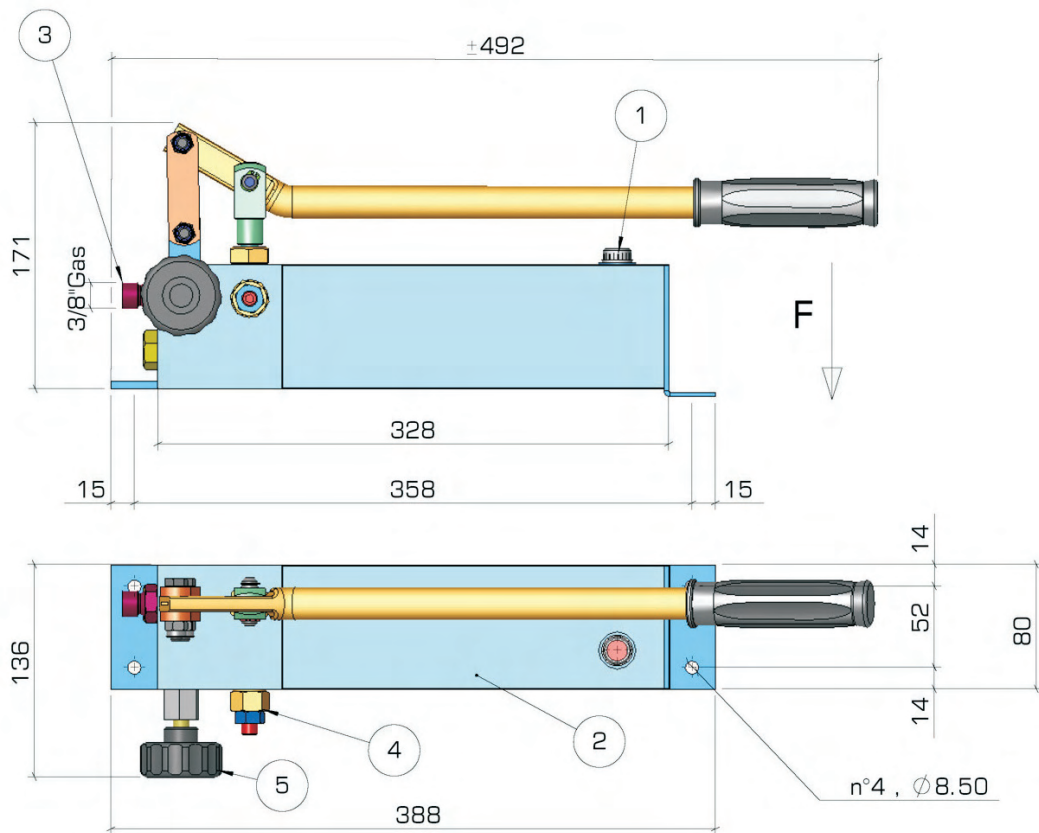
Type	Pressure Bar	Delivery Cc
GL12DAL-12	370	2,8
GL12DAL-16	200	4,8



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 12 1M

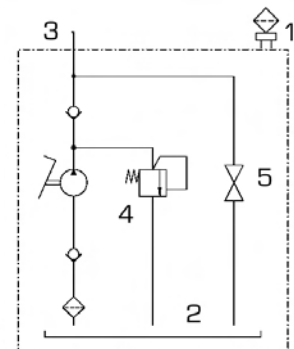
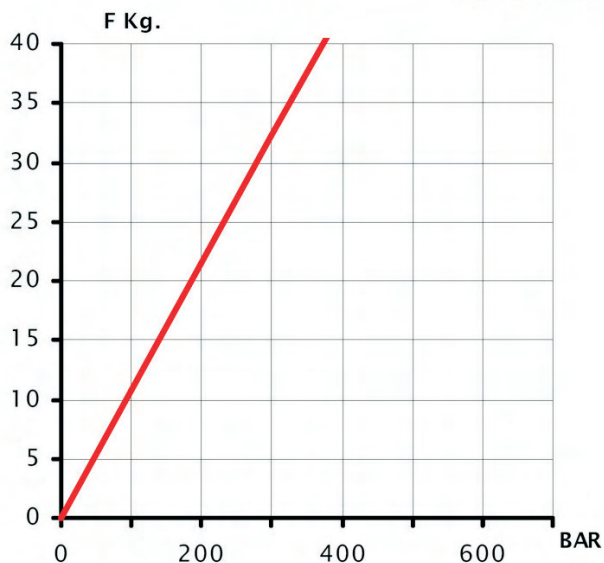
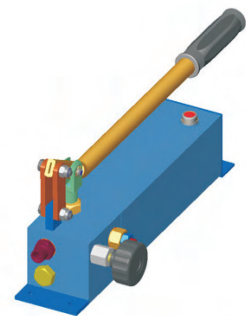
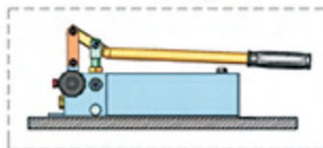
Single acting function with relief valve and release handknob
for single acting cylinder



Pressure Bar 370
Delivery Cc 2,8
Weight kg. 6,5

- 1 Filler Plug
- 2 Tank L. 1, 2
- 3 Pressure Port
- 4 Max. Pressure Setting
- 5 Release Handknob

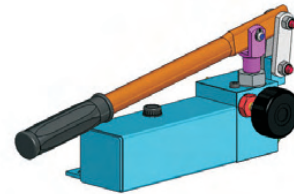
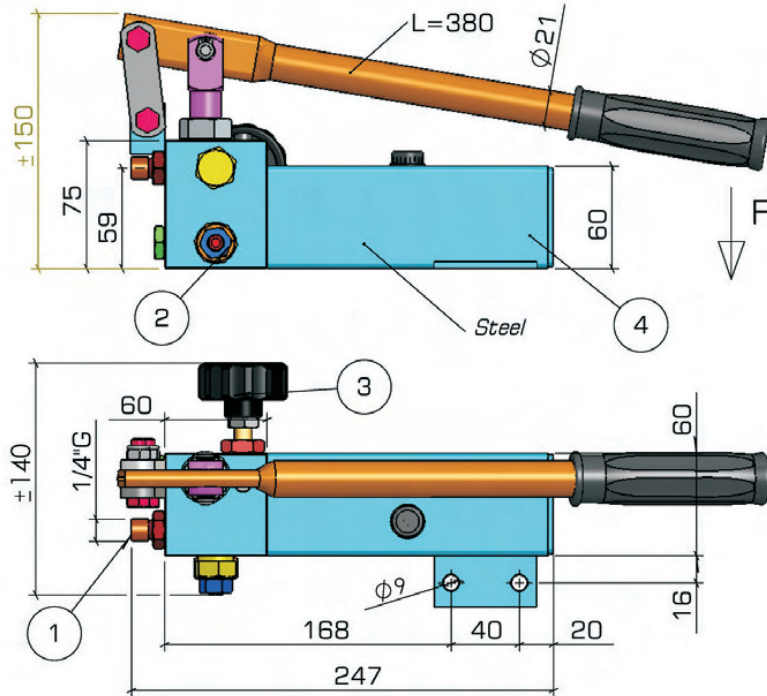
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 16 Q

Single acting function with relief valve and release handknob for single acting cylinder

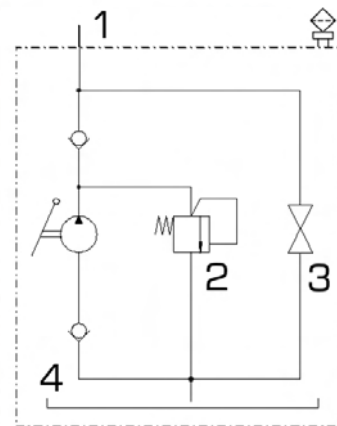
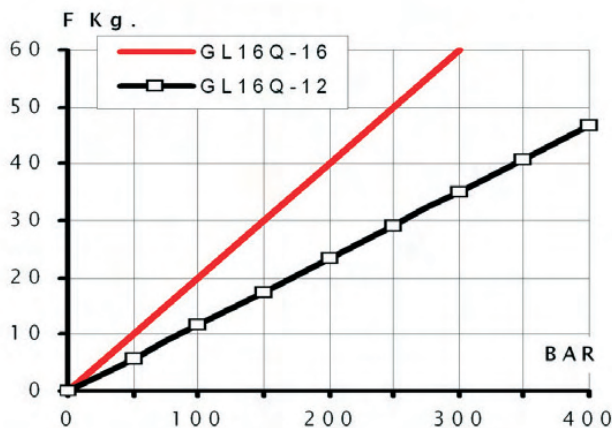
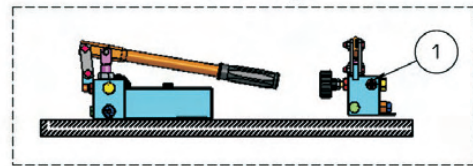


Weight Kg. ~3,2

- 1 Pressure Port 1/4\"G
- 2 Relief Valve Setting
- 3 Release Handknob
- 4 Tank L.O,5

Type	Pressure Bar	Delivery Cc
GL16Q-12	370	2,8
GL16Q-16	200	4,8

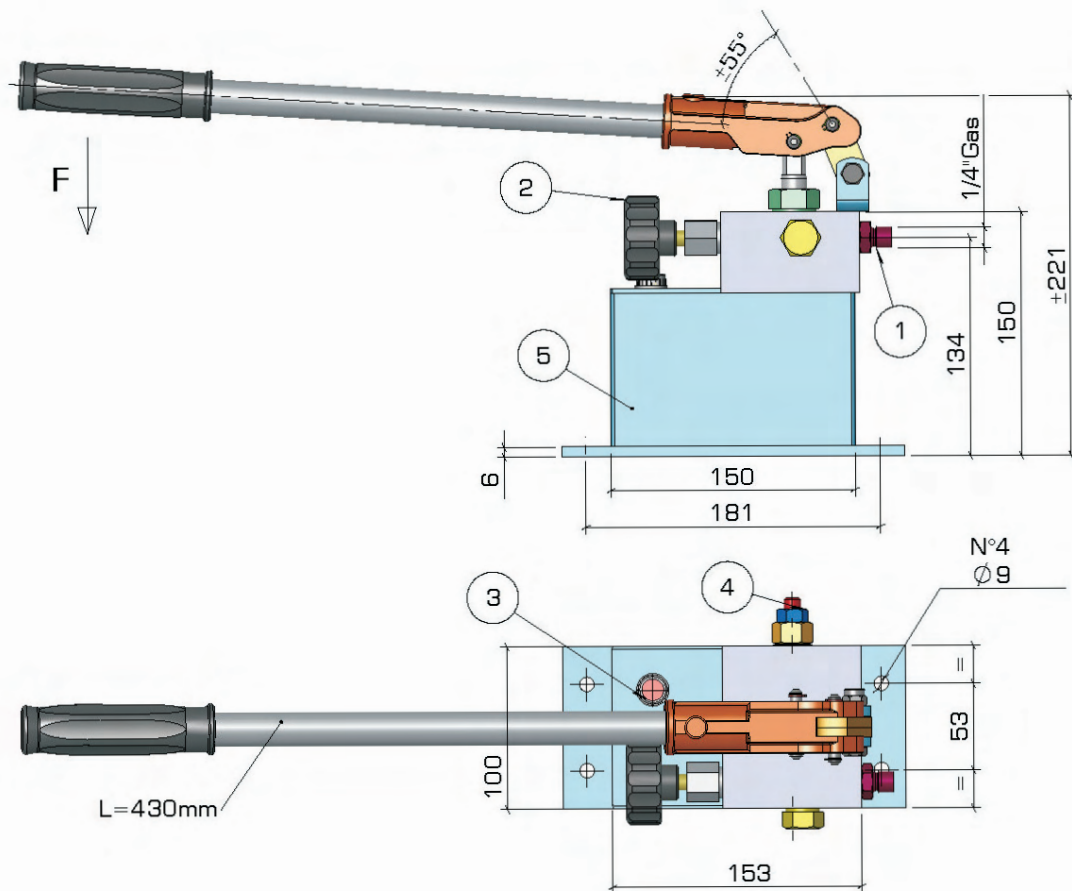
Mounting :



Dimensions and characteristics not binding. Modifications reserved without prior notice.

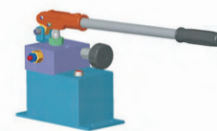
Hydraulic Hand Pump type GL 113 M

Single acting function with relief valve and release handknob
for single acting cylinder

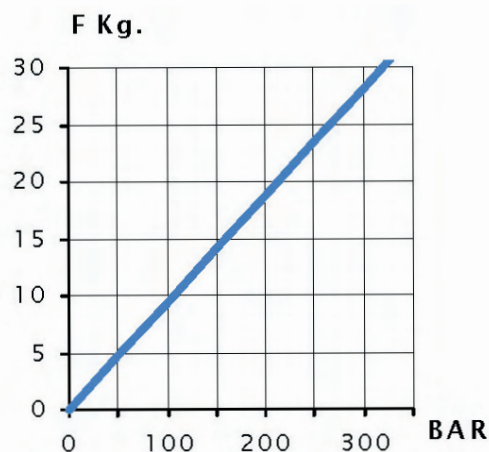
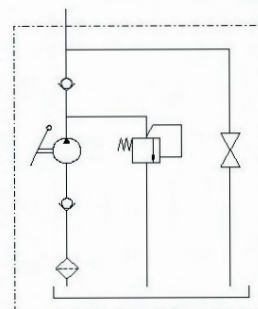
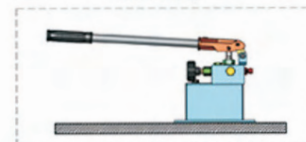


Weight kg. 7
Delivery 5 cc.
Pressure 220 Bar

- 1 Pressure Port
- 2 Release Handknob
- 3 Filler Plug
- 4 Max. Pressure Setting
- 5 Tank L. 1/1,5



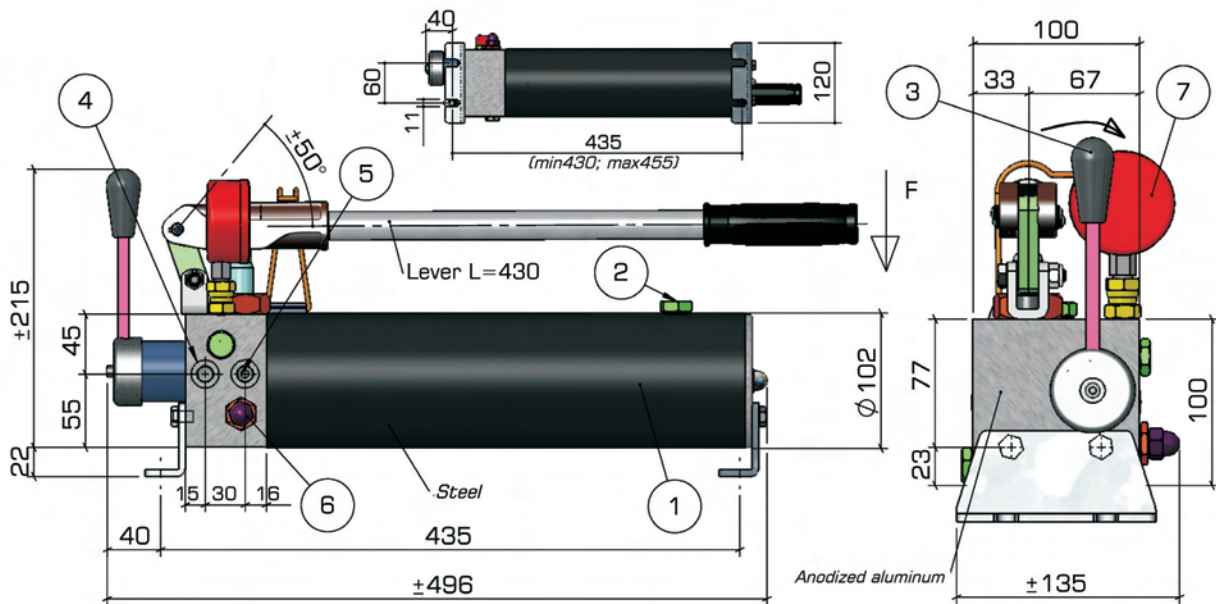
Mounting:



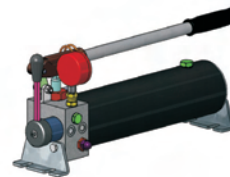
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 146-ALN

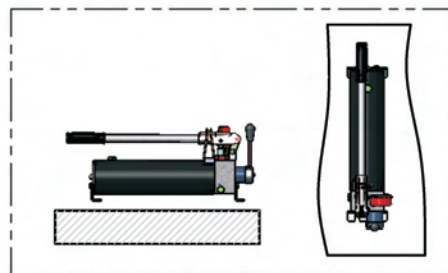
Single acting function with relief valve and flow diverter
for double acting cylinder



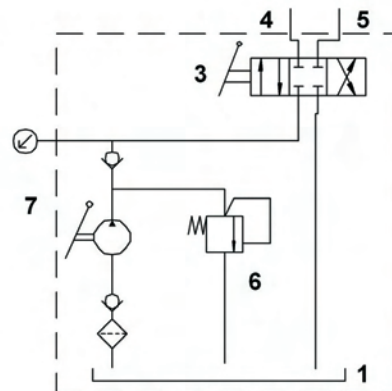
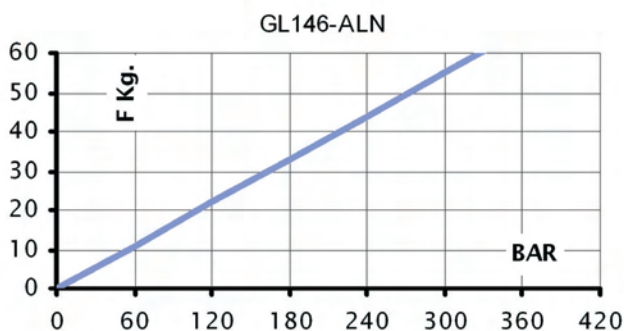
- 1 Tank L. ~2.1
- 2 Filler Plug
- 3 Fluid flow inversion lever o -
- 4 Pressure port 1 (1/4"G female)
- 5 Pressure port 2 (1/4"G female)
- 6 Pressure relief valve
- 7 Pressure Gauge (on request)



Mounting Position:



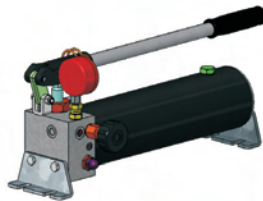
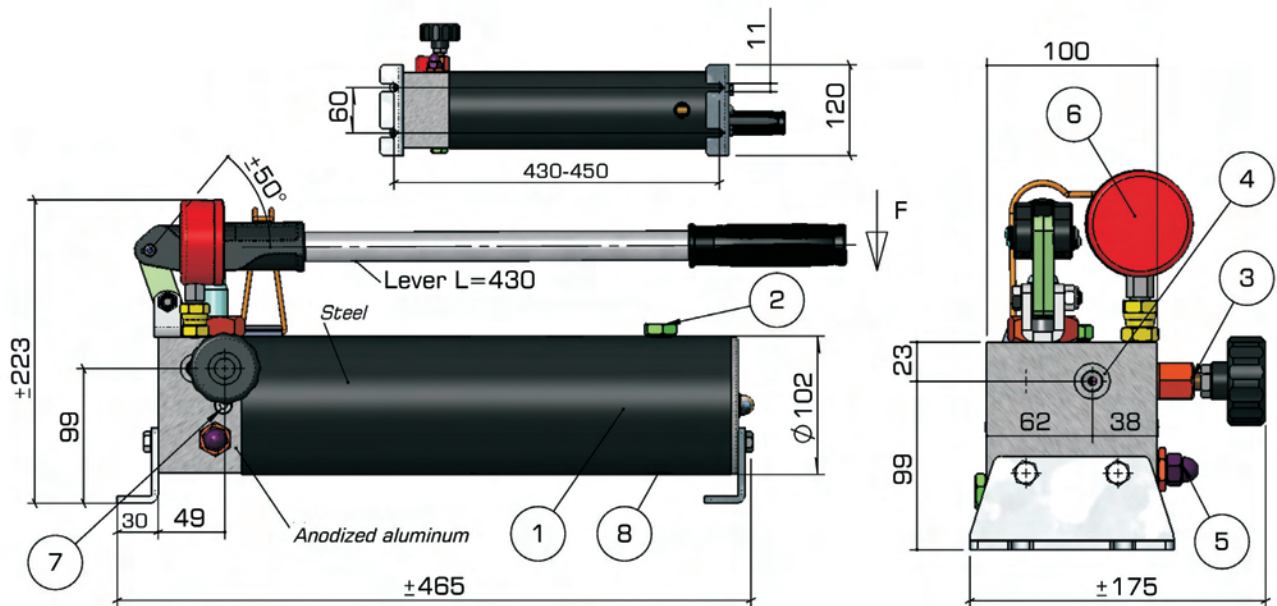
Weight Kg (without oil)	Delivery cc	Pressure Bar
~9.0	12.5	150



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 146-ALN-SC

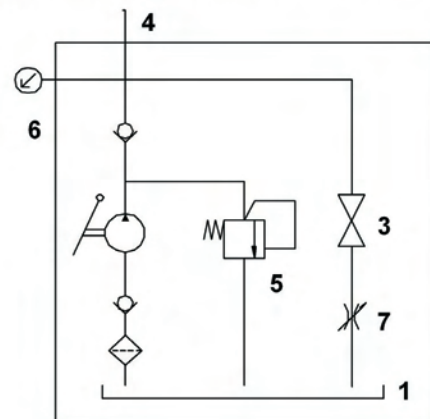
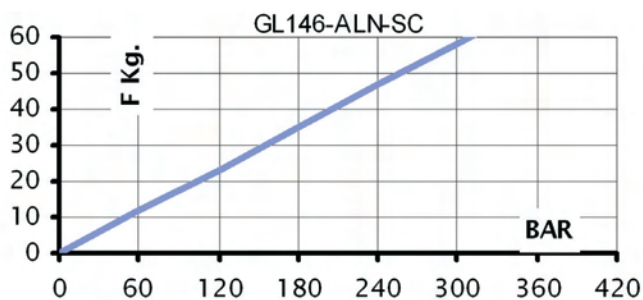
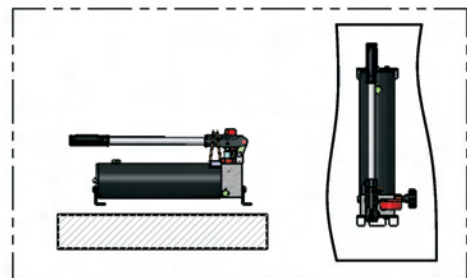
Single acting function with relief valve and release handknob



- 1 Tank L. 2. 1
- 2 Filler Plug
- 3 Release handknob
- 4 Pressure port 1 (1/4"G female)
- 5 Pressure relief valve
- 6 Pressure Gauge (on request)
- 7 Release setting valve.
- 8 Oil Plug 3/8"G

Weight Kg (without oil)	Delivery cc	Pressure Bar
~10	12.5	150

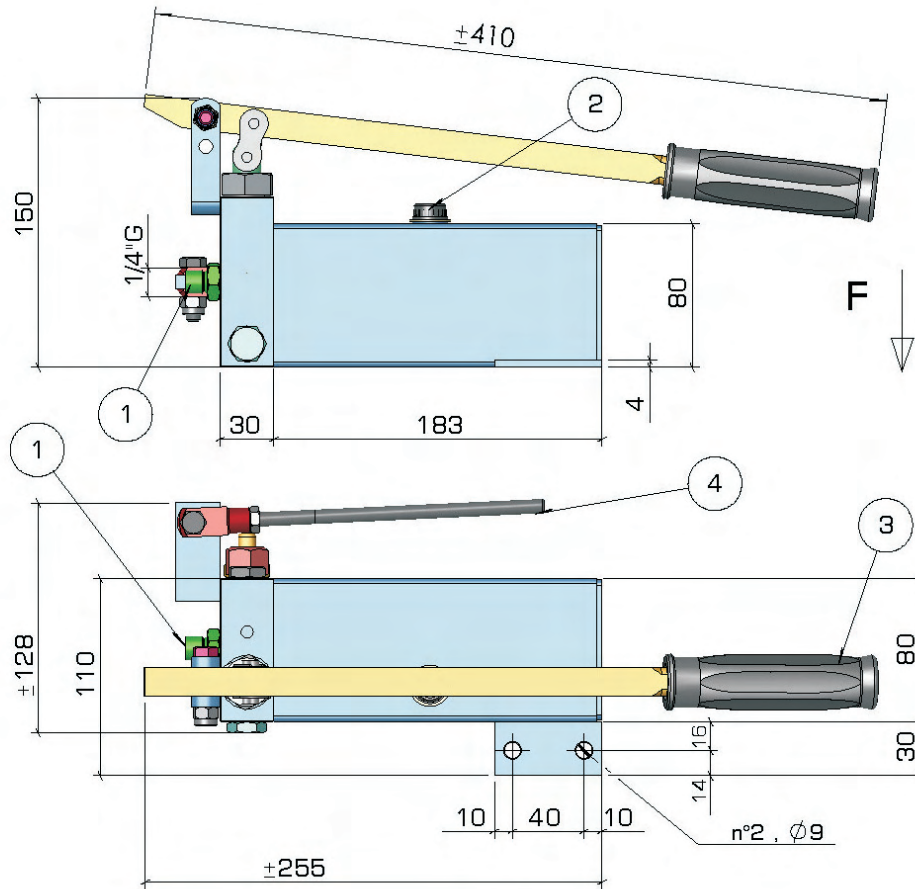
Mounting Position:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

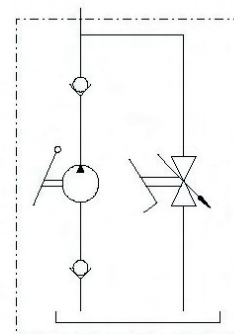
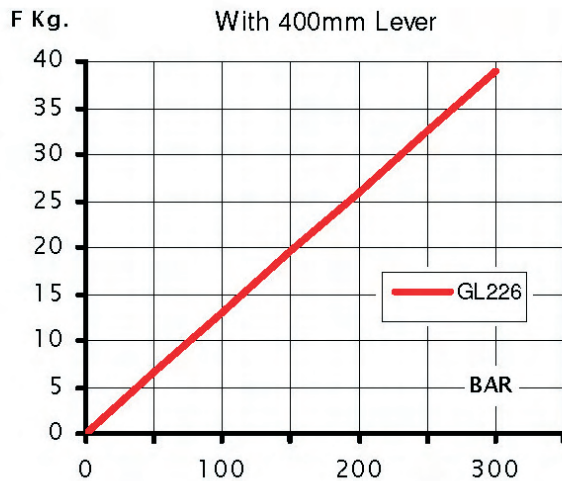
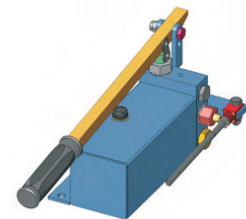
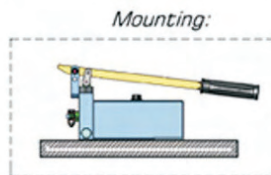
Hydraulic Hand Pump type GL 226

Single acting function with release lever for single acting cylinder



Weight ~ 4,5Kg
Delivery 5Cc
Pressure 200Bar

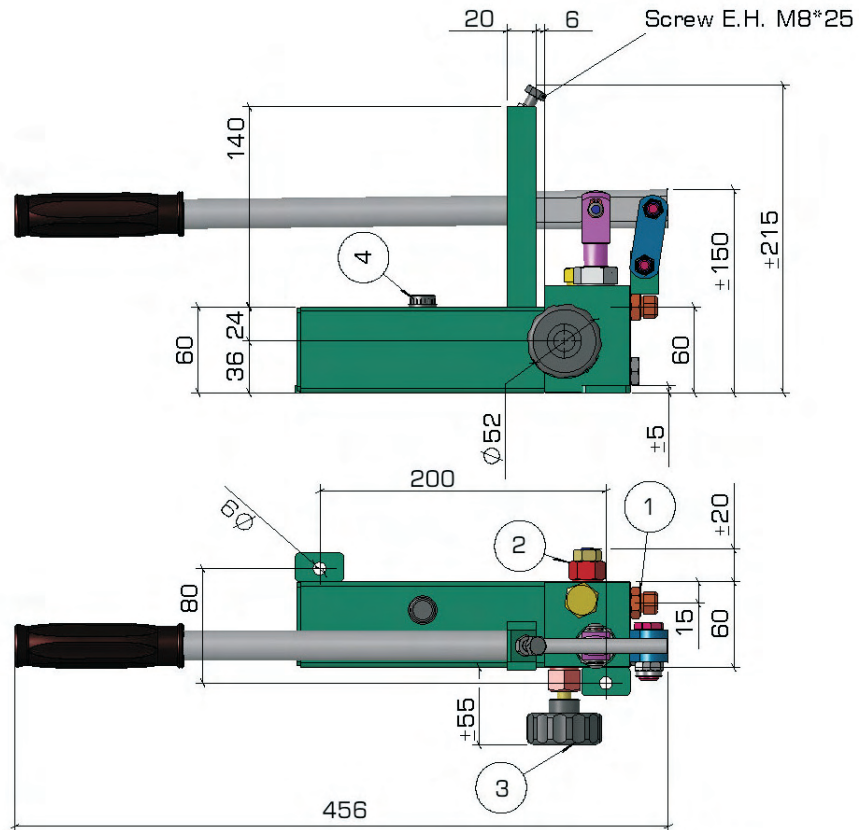
- 1 Pressure port
- 2 Filler plug
- 3 Action lever
- 4 Release lever



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 236

Single acting function with relief valve and release handknob for single acting cylinder



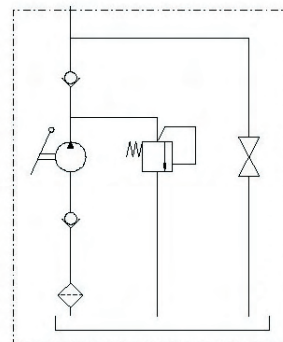
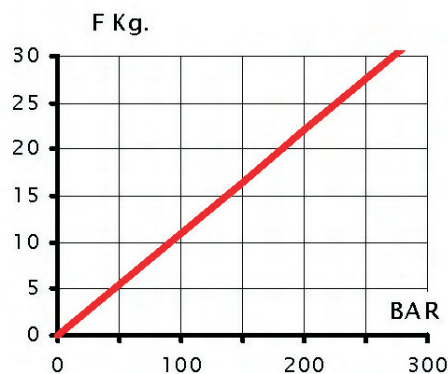
Pressure: max. 200 bar
 Delivery: 2,8 cm³
 Tank: 0,4 lt.
 Painting: Green (RAL 5021) Antioil

- 1 Pressure Port 1/4" g
- 2 Max. Pressure Valve
- 3 Release Handknob
- 4 Release Handknob



Mounting:

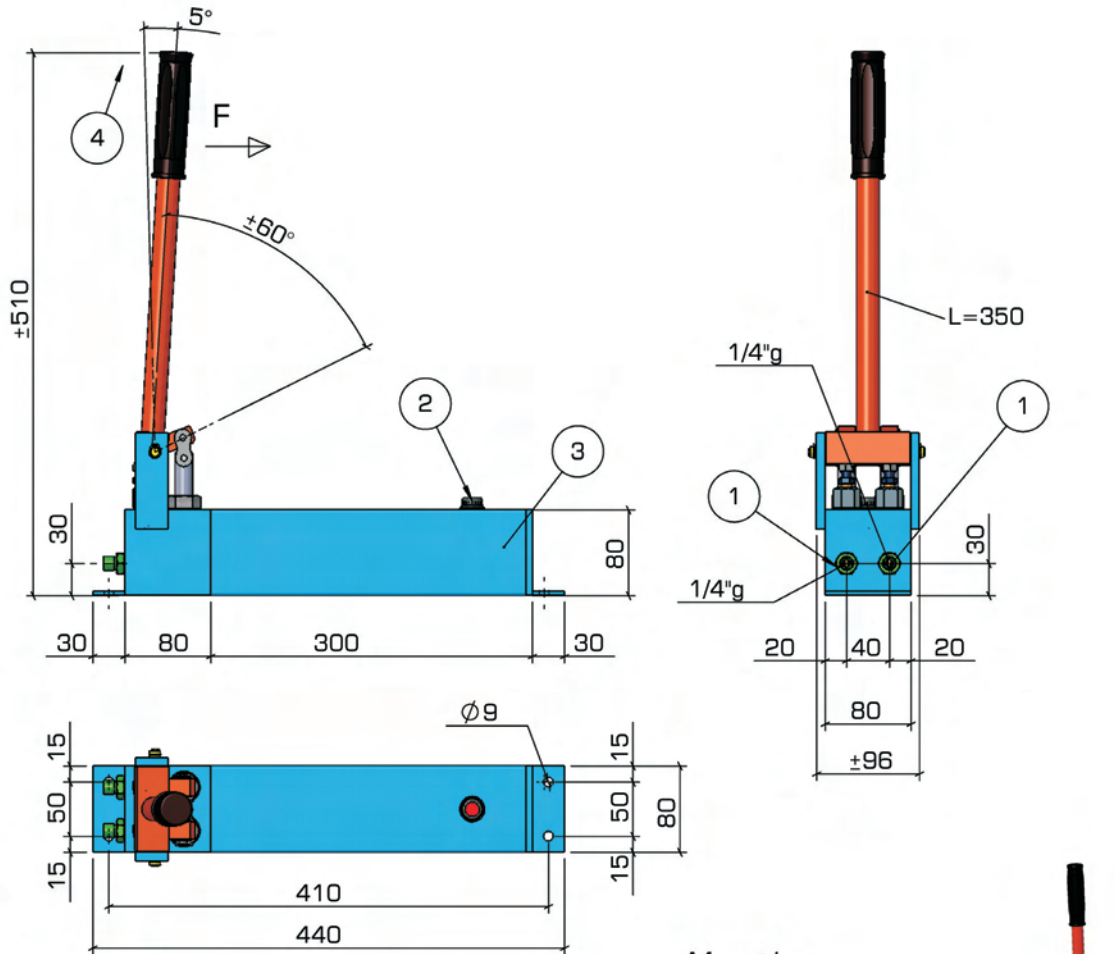
Only as dwg



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 105-M2

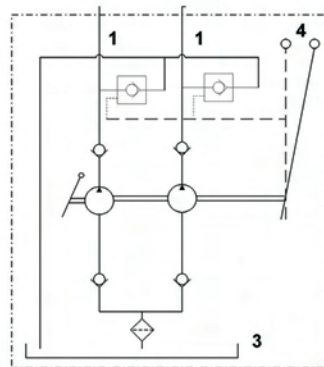
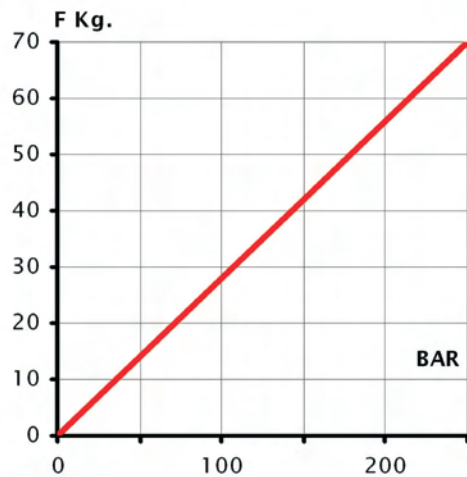
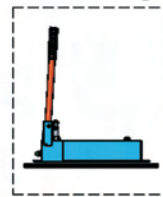
Single acting function multiple piston pump (two pistons)
for single acting cylinder



Weight Kg. ~4
Pressure 180Bar
Delivery 10cc (5x2)

- 1 Pressure Port (n°2)
- 2 Filler Plug
- 3 Tank 1.5 L.
- 4 Discharge Field

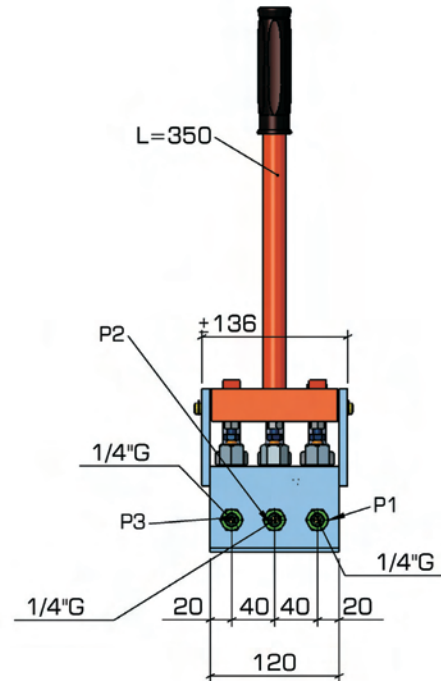
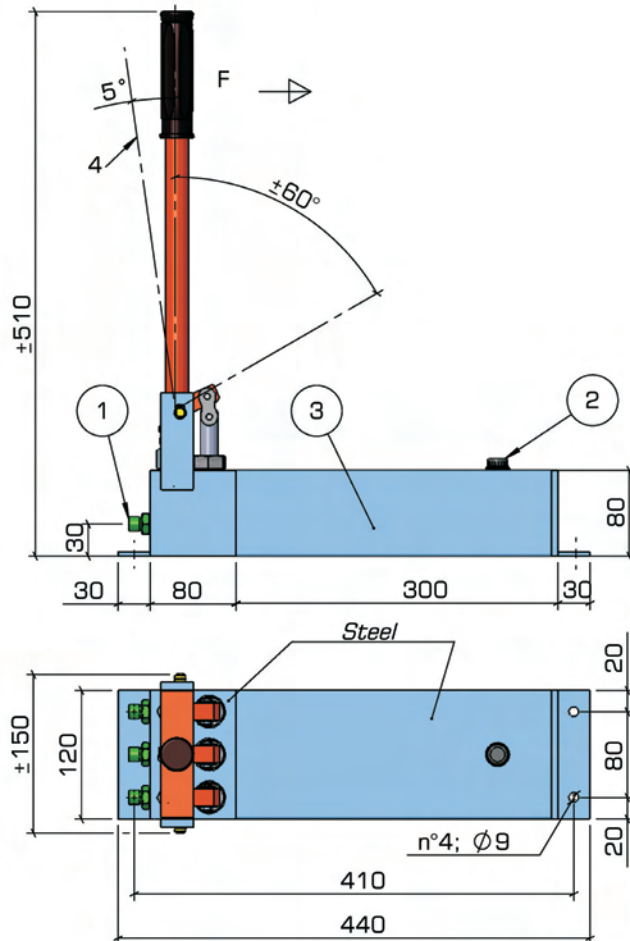
Mounting



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 105-M3

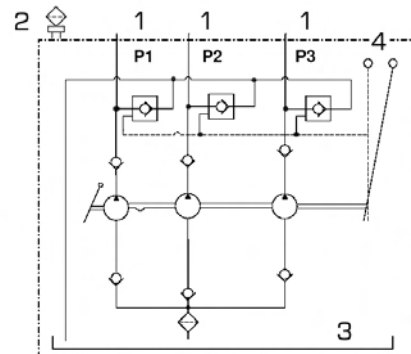
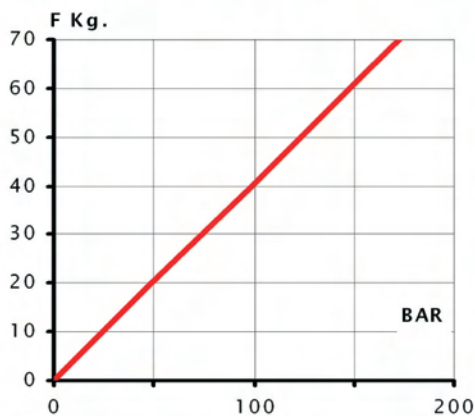
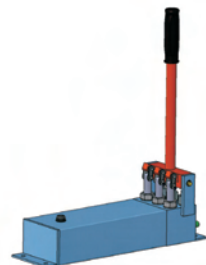
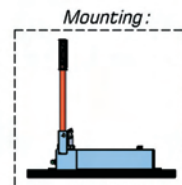
Single acting function multiple piston pump (three pistons)
for single acting cylinder



Pressure 120Bar
Delivery 15cc (5x3)

- 1 Pressure Port (n°3)
- 2 Filler Plug
- 3 Tank 2.2 L.
- 4 Discharge Field

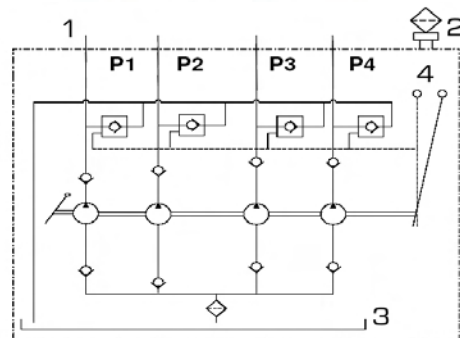
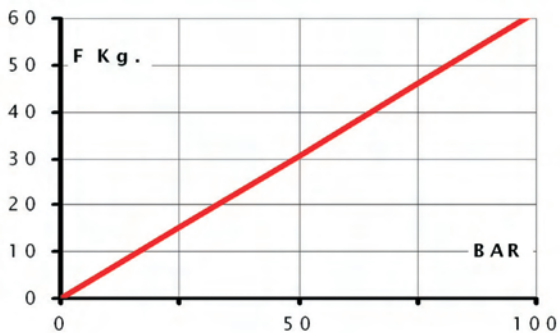
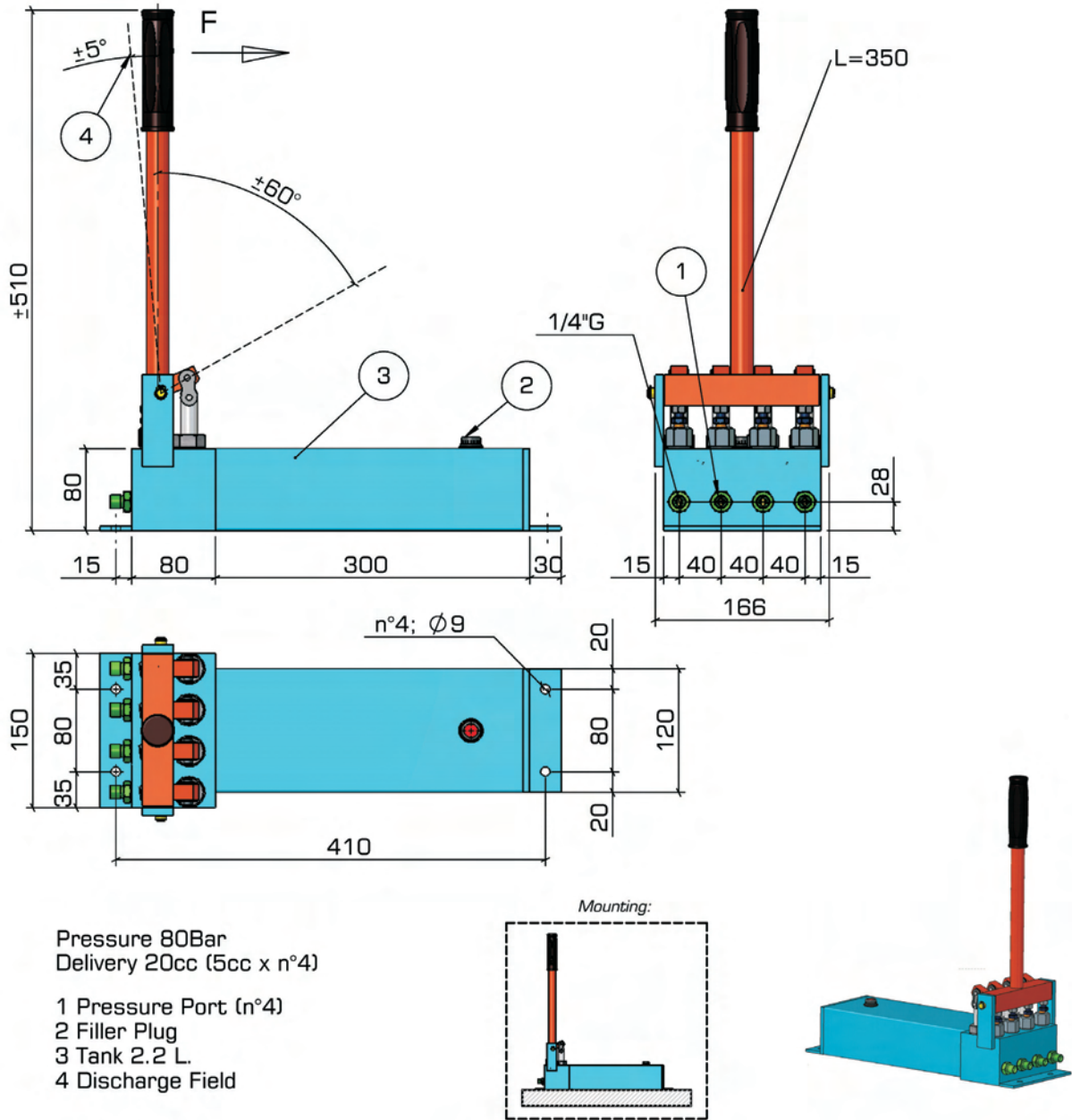
Available also with 2 and 4 pistons and different tank size.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 105-M4

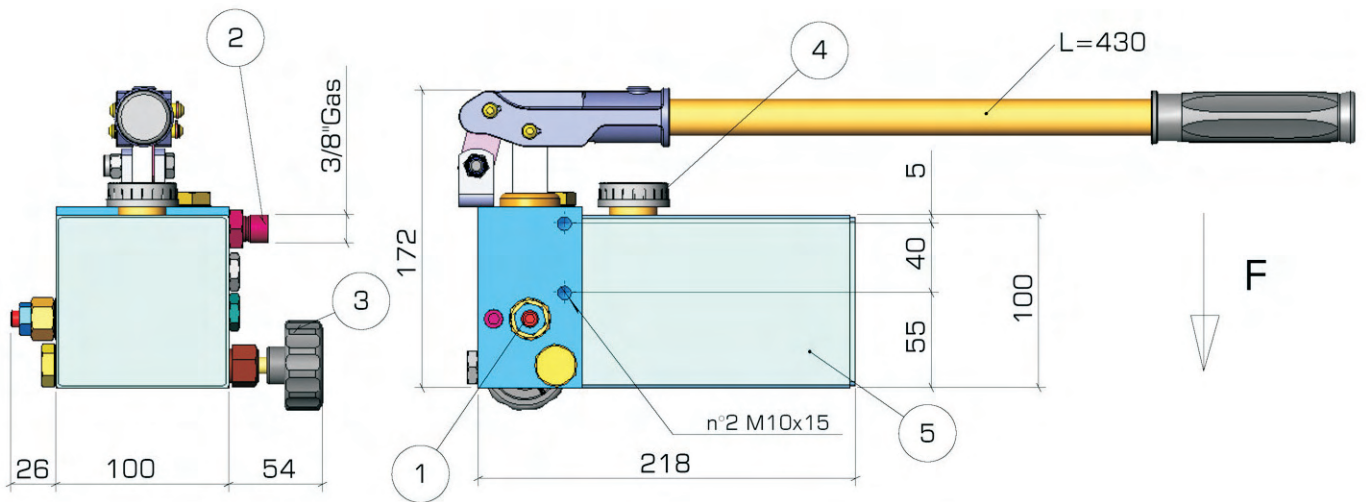
Single acting function multiple piston pump (four pistons)
for single acting cylinder



Dimensions and characteristics not binding. Modifications reserved without prior notice.

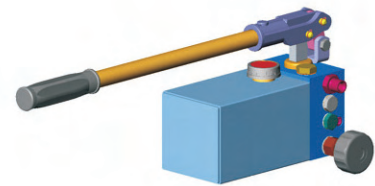
Hydraulic Hand Pump type GL 2P-RV15

Two speed single acting function pump for single acting cylinder

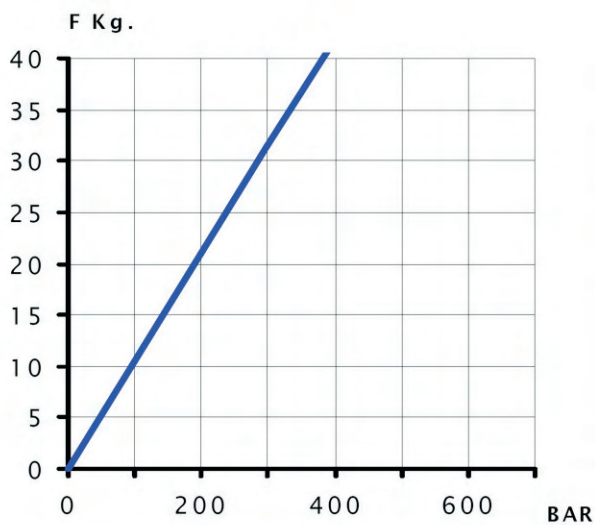


Weight (without oil) kg. 8,2

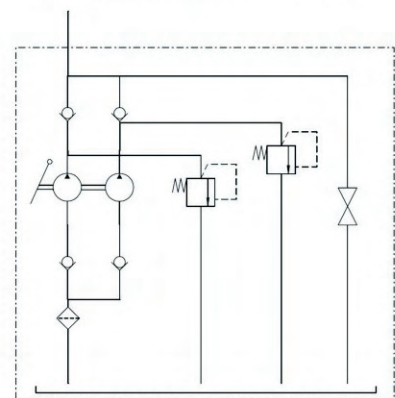
- 1 Max. Pressure Setting
- 2 Pressure Port
- 3 Release Handknob
- 4 Filler Plug
- 5 Tank L. 1,1



TYPE	DELIVERY cc	PRESSURE Bar
1° Speed	24	30
2° Speed	3,8	400



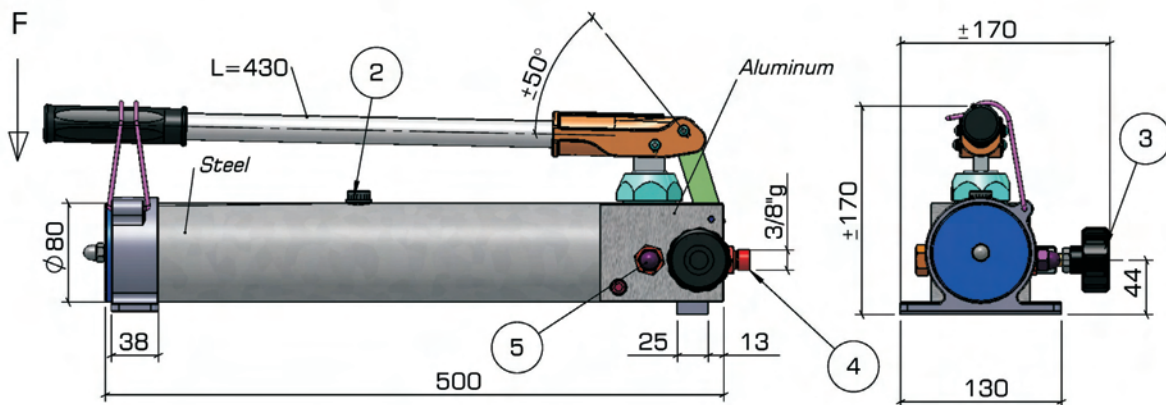
Mounting:



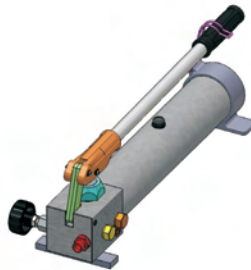
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 2P-Q

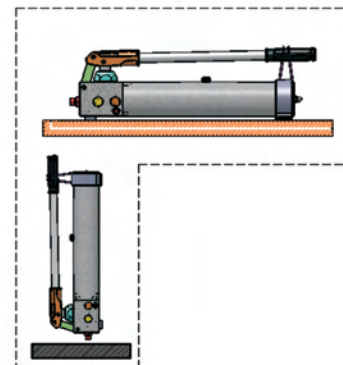
Two speed single acting function pump for single acting cylinder



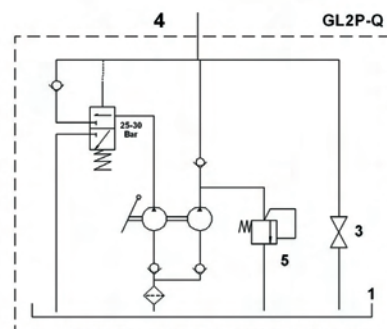
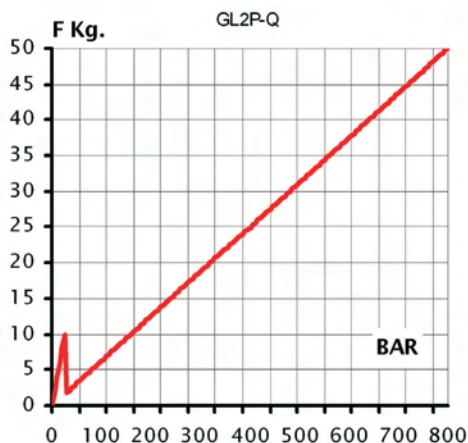
- Weight ~Kg. 8
 1 Tank L. 1,8
 2 Filler Plug
 3 Release Handknob
 4 Pressure Port 1
 5 Relief Valve Setting



Mounting Position:



TYPE	DELIVERY cc	PRESSURE Bar
GL 2P-Q 1°Speed	17	25
GL 2P-Q 2°Speed	2.5	700

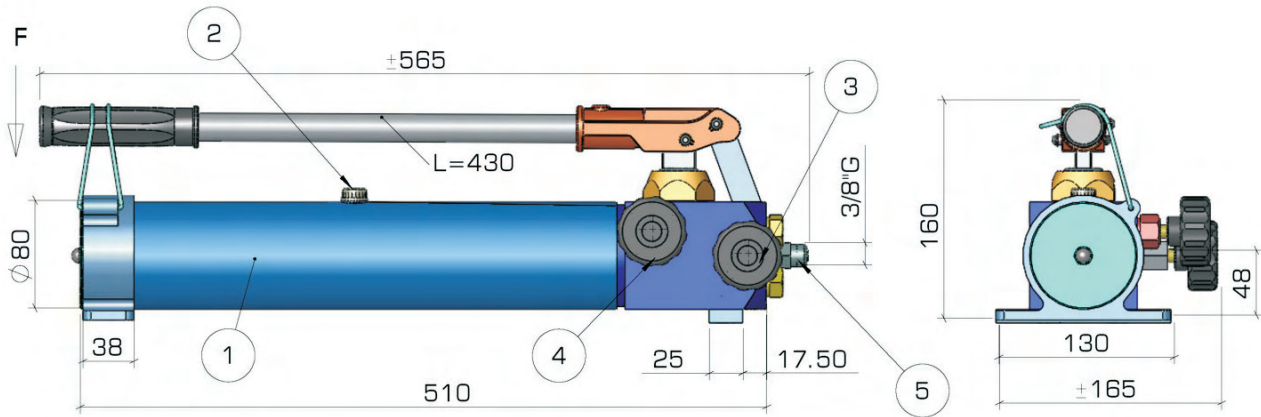


The GL 2P-Q, is particularly suitable for applications with need of 2 piston speeds for pumping. The first speed, gives fast cylinder advancement while with the second speed, the cylinder advancement is very slow but with extremely high pressure however small pumping force. The switch-over from the first to second speed is automatic. This pump is further equipped with special poppet style valves, made in special treated and hardened steel, which exclude any drain. Pressure up to 700 bar.

Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 2P-Q 150

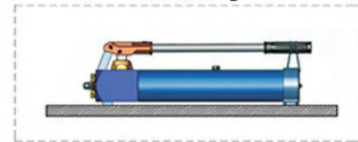
Two speed single acting function pump for single acting cylinder



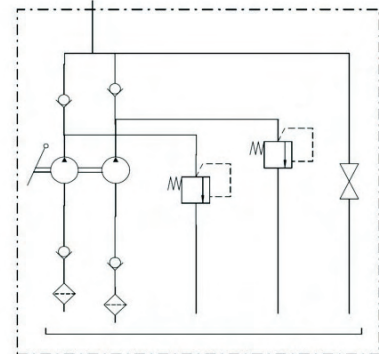
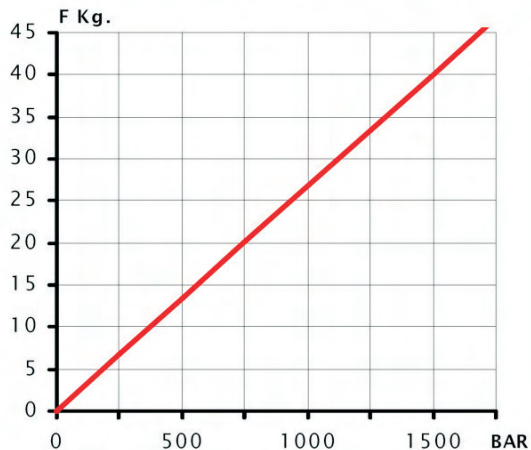
Weight (with oil) kg. ~12

- 1 Tank L. 1,8
- 2 Filler Plug
- 3 Release Handknob
- 4 1°Speed Exclusion Handknob
- 5 Pressure Port

Mounting:



TYPE	DELIVERY cc	PRESSURE Bar
GL 2P/Q 150 1°Speed	17	30
GL 2P/Q 150 2°Speed	1	1500

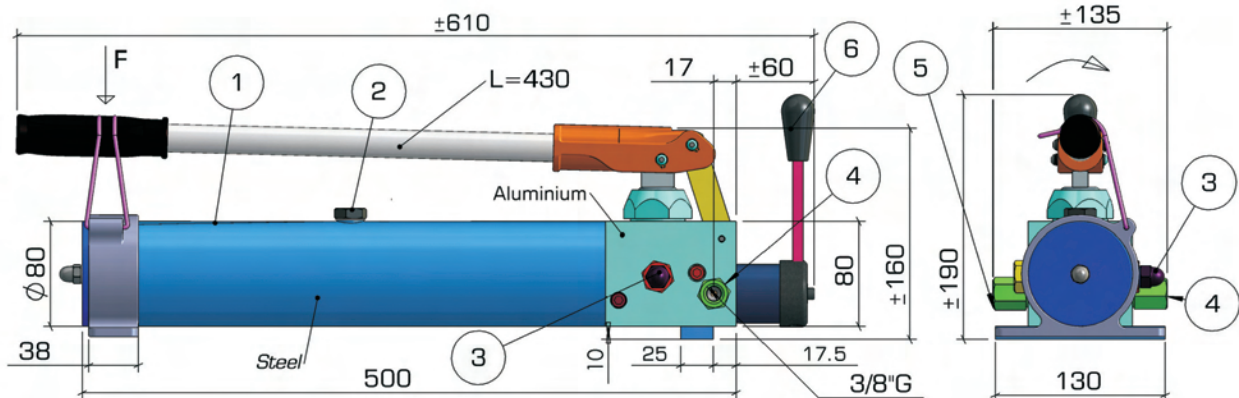


The GL 2P-Q 150, is similar to the model GL 2P-Q but without automatic switching of speeds. The switch-over is obtained by a manual handwheel. This is a special pump of remarkable oil flow for pressure up to 1500 bar.

Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 2P-Q+4VN

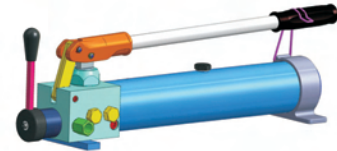
Two speed single acting function pump with flow diverter
for double acting cylinder



Weight (with oil) kg. ~10

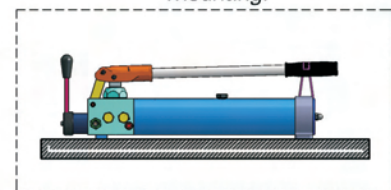
- 1 Tank L. 1,8
- 2 Filler Plug
- 3 Relief Valve Setting :ione -
- 4 Pressure Port 1 (3/8"G female)
- 5 Pressure Port 2 (3/8"G female)
- 6 Oil Flow Diverter Lever
- 7 Pressure Gauge Plug 1/4"G (on request)

On request, the pump is supplied complete with pressure gauge.

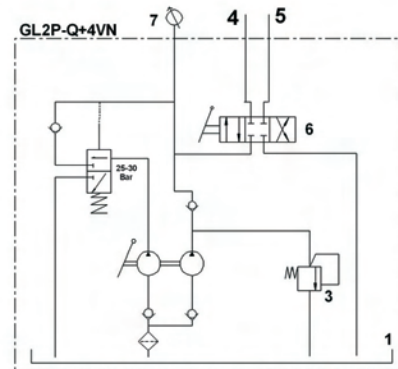
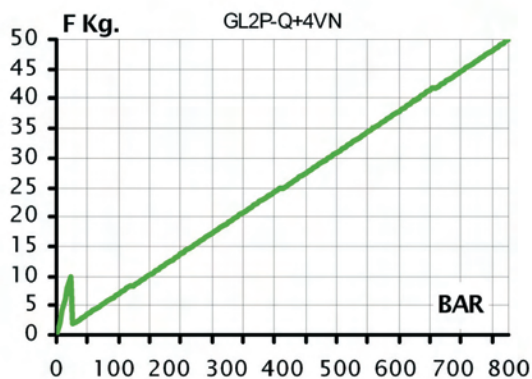


TYPE	DELIVERY cc	PRESSURE Bar
GL2P-Q+4VN 1°Speed	17	25
GL2P-Q+4VN 2°Speed	2.5	700

Mounting:



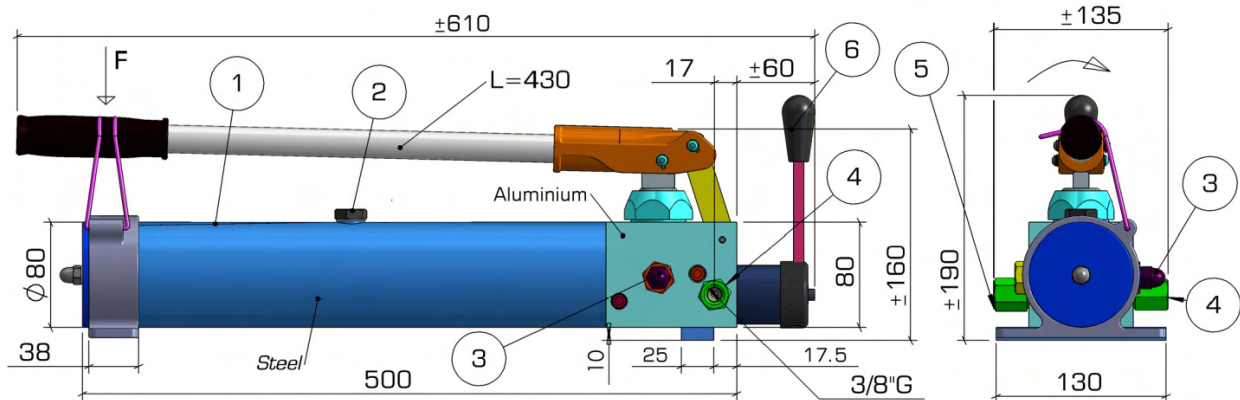
The GL2P-Q+4VN, is particularly suitable for applications with need of 2 piston speeds for pumping. The first speed gives fast cylinder advancement while with the second speed, the cylinder advancement is very slow but with extremely high pressures however small pumping forces. The switch-over from first to second speed, is automatic. This pump is further equipped with special poppet style valves, made of special treated and hardened steel, which exclude any drain. Pressures up to 700 bar.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 2P-Q+4VN-VB

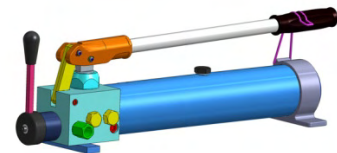
Two speed single acting function pump with flow diverter
and check valves for double acting cylinder



Weight (with oil) kg. ~10

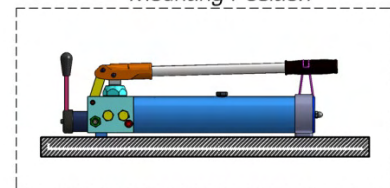
- 1 Tank L. 1,8
- 2 Filler Plug
- 3 Relief Valve Setting -
- 4 Pressure Port 1 (3/8"G female)
- 5 Pressure Port 2 (3/8"G female)
- 6 Oil Flow Diverter Lever
- 7 Pressure Gauge Plug 1/4"G (on request)
- 8 Check valves

On request, the pump is supplied complete with pressure gauge.

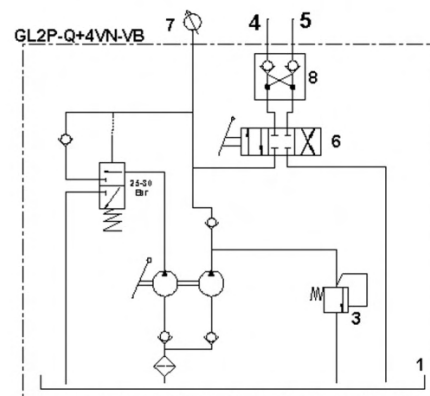
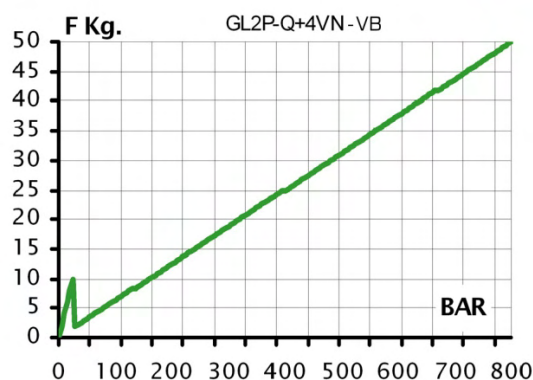


TYPE	DELIVERY cc	PRESSURE Bar
GL2P-Q+4VN-VB 1°Speed	17	25
GL2P-Q+4VN-VB 2°Speed	2.5	700

Mounting Position



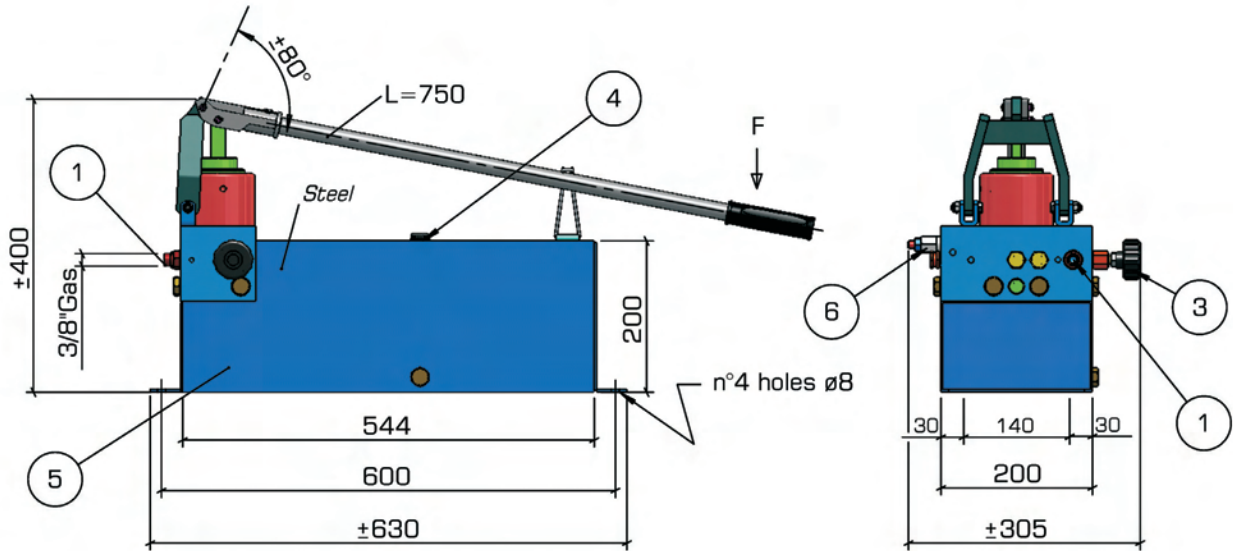
The GL2P-Q+4VN-VB, is particularly suitable for applications with need of 2 piston speeds for pumping. The first speed gives fast cylinder advancement while with the second speed, the cylinder advancement is very slow but with extremely high pressures however small pumping forces. The switch-over from first to second speed, is automatic. This pump is further equipped with special poppet style valves, made of special treated and hardened steel, which exclude any drain. Pressures up to 700 bar.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 2P 70-12

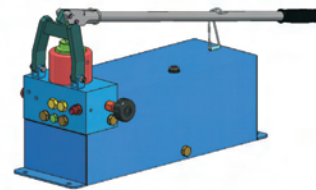
Two speed single acting function pump for single acting cylinder



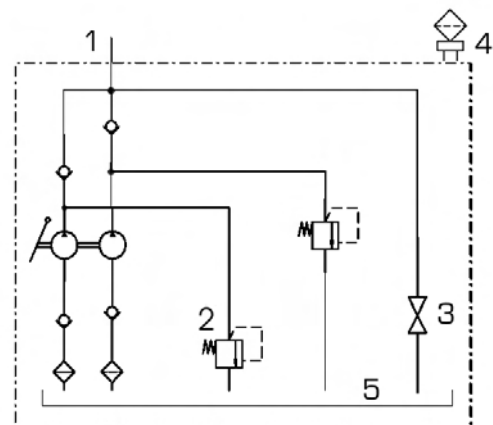
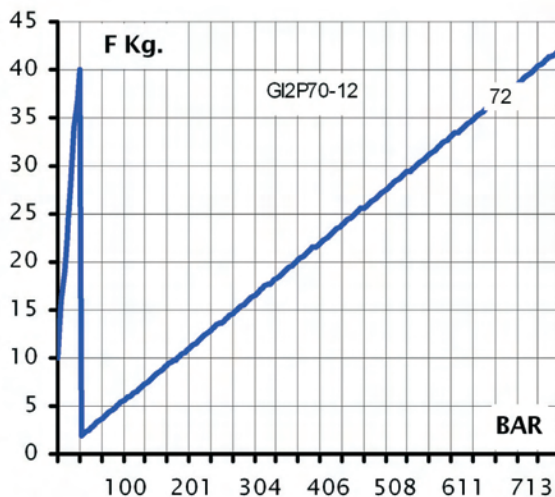
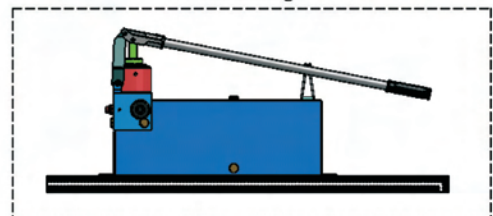
Weight (without oil) kg. ~34

- 1 Pressure Port
- 3 Release Handknob
- 4 Filler Plug
- 5 Tank L. 18
- 6 Relief Valve Setting

TYPE	DELIVERY cc	PRESSURE Bar
1° Speed	133	~20
2° Speed	4	700



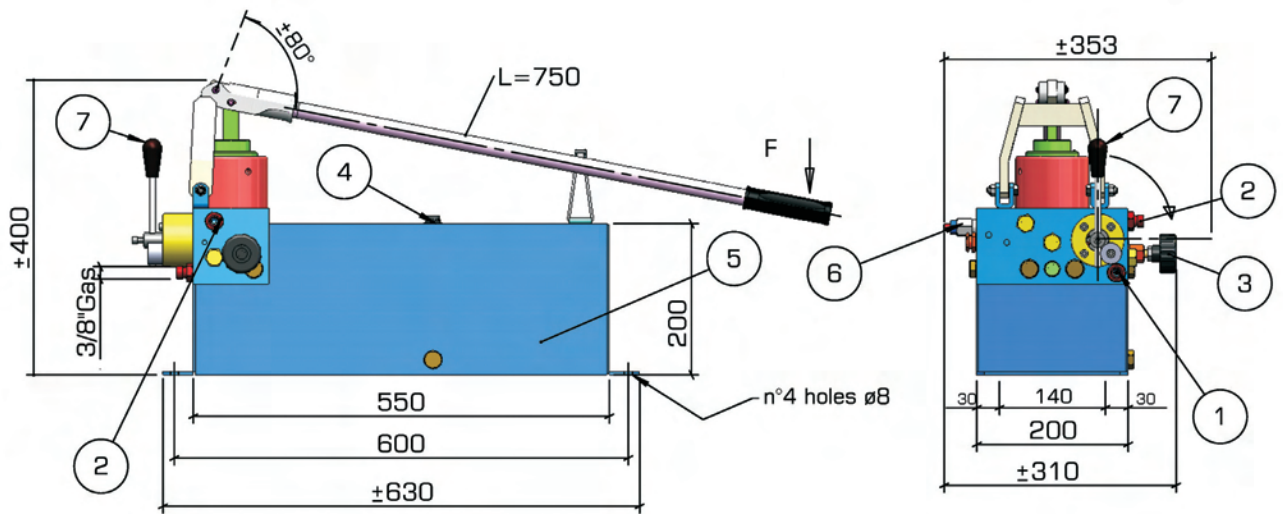
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

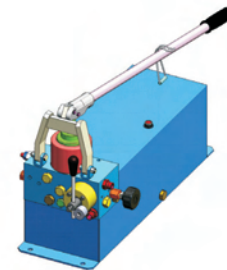
Hydraulic Hand Pump type GL 2P 70-12-I

Two speed single acting function pump with flow diverter
for double acting cylinder

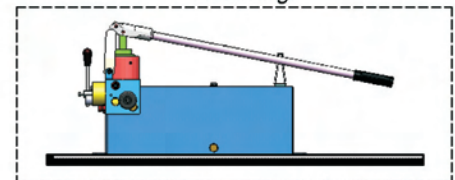


Weight (without oil) kg. ~35

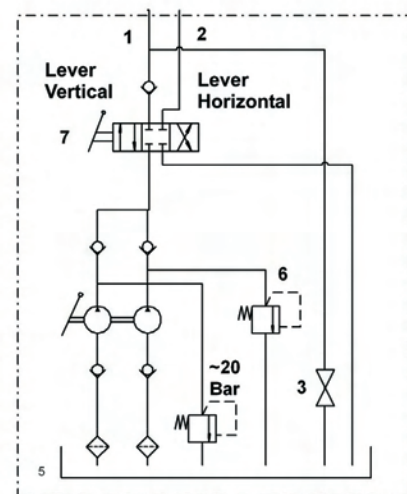
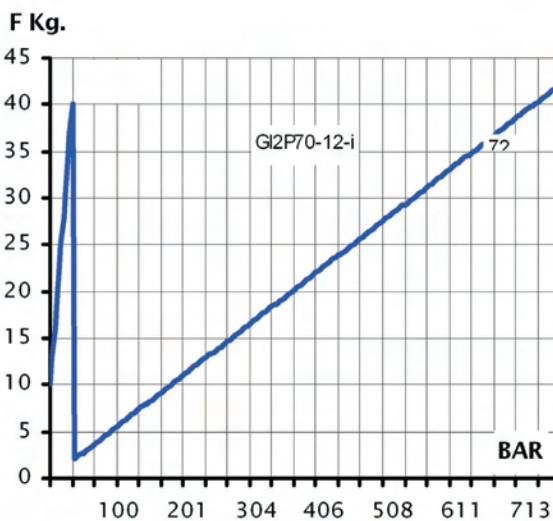
- 1 Pressure Port 1 (3/8"G)
- 2 Pressure Port 2 (3/8"G)
- 3 Release Handknob (on pressure port 1)
- 4 Filler Plug
- 5 Tank L. 18
- 6 Relief valve Setting
- 7 Oil Flow Diverter Lever



Mounting:



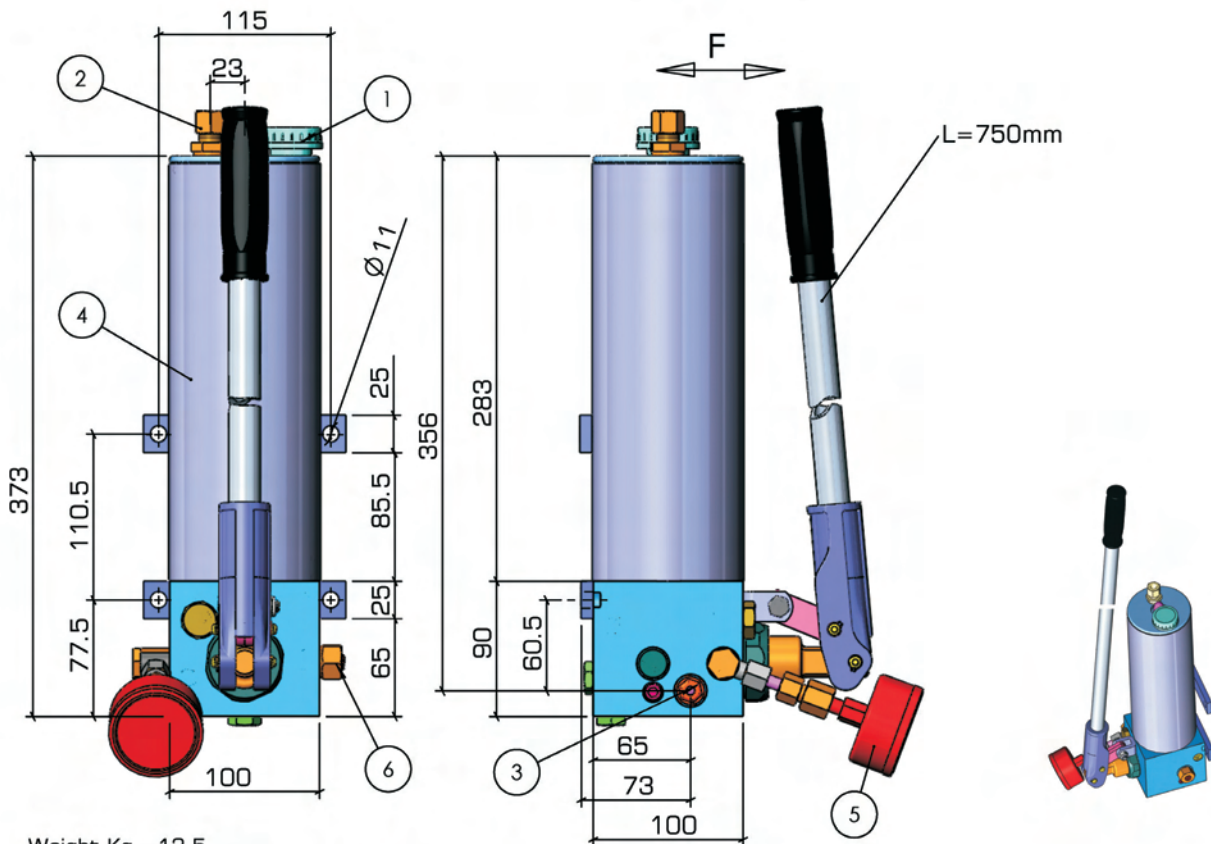
TYPE	DELIVERY cc	PRESSURE Bar
1° Speed	133	~20
2° Speed	4	700



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Hand Pump type GL 241 F3

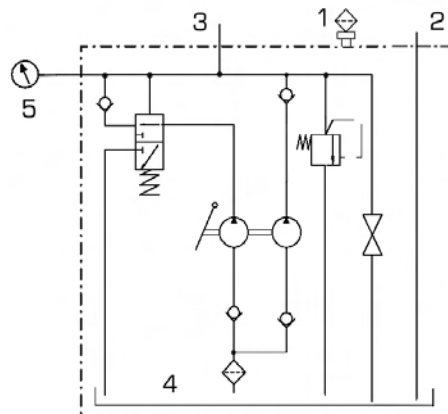
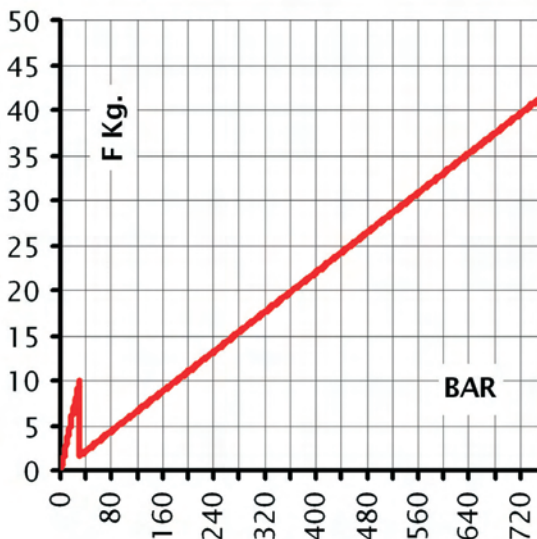
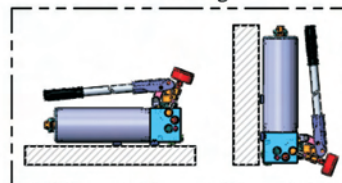
Two speed single acting function pump for single acting cylinder



Weight Kg. ~13.5
 Pressure 400Bar
 Max. Pressure (before damage) 700Bar
 1°Speed Delivery : 20cc
 2°Speed Delivery : 3cc

- 1 Tappo Carico Olio - Filler Plug
- 2 Bulkhead fitting for pipe $\varnothing 10$ (return)
- 3 Bulkhead fitting for pipe $\varnothing 6$
- 4 Tank 1,7 L
- 5 Pressure gauge, glycerine filled, $\varnothing 63$, 1/4" rear fitting
- 6 Relief valve

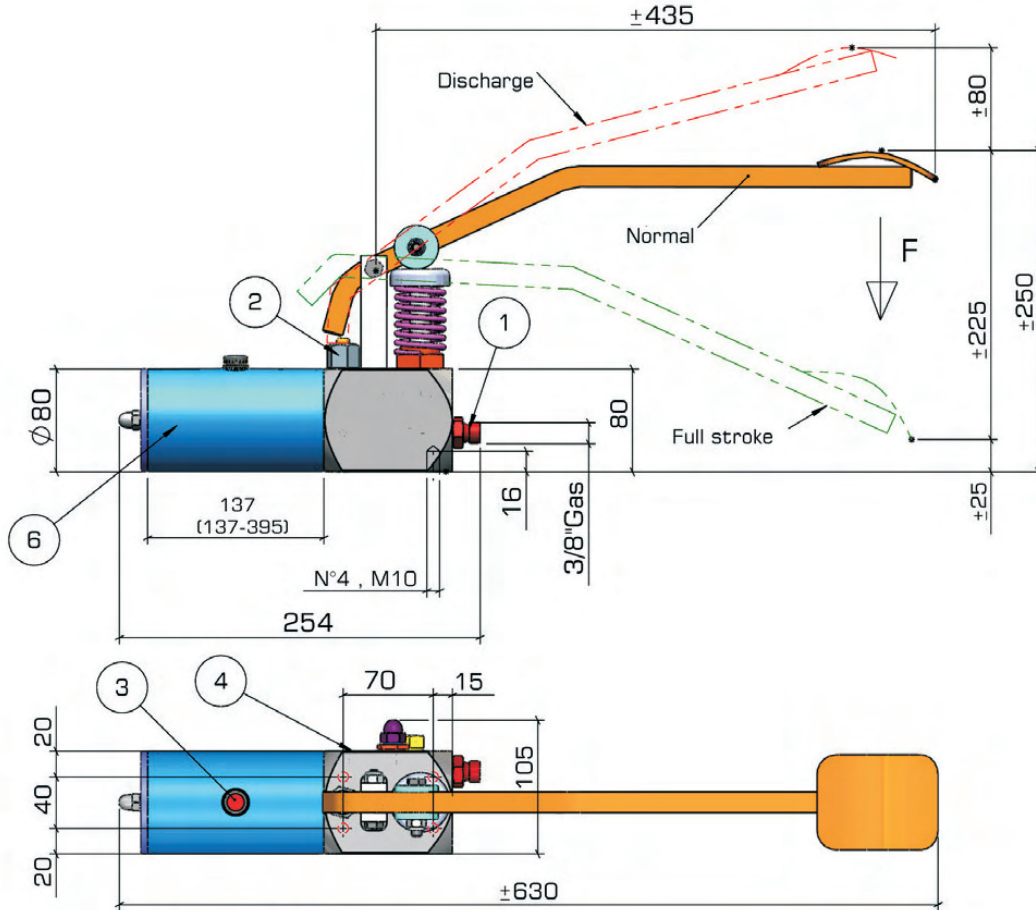
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

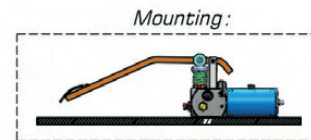
Hydraulic Pedal Pump type GLAPN (16-25)

Single acting function pedal pump with relief valve and release function for single acting cylinder

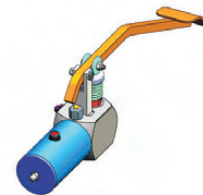
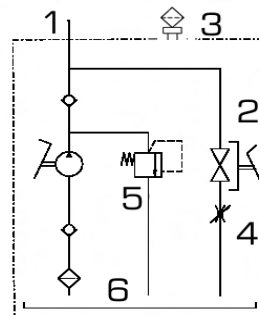
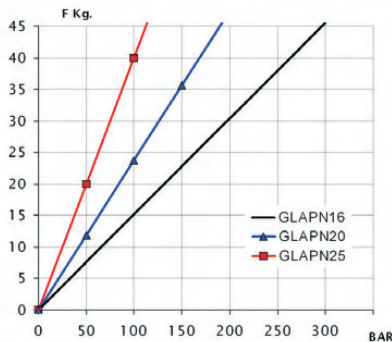


Weight (without oil) ~5 Kg

- 1 Pressure Port
- 2 Release Valve
- 3 Filler Plug
- 4 Oil Flow Return Setting
- 5 Relief valve Setting
- 6 Tank L 0.5; 1.0; 1,8



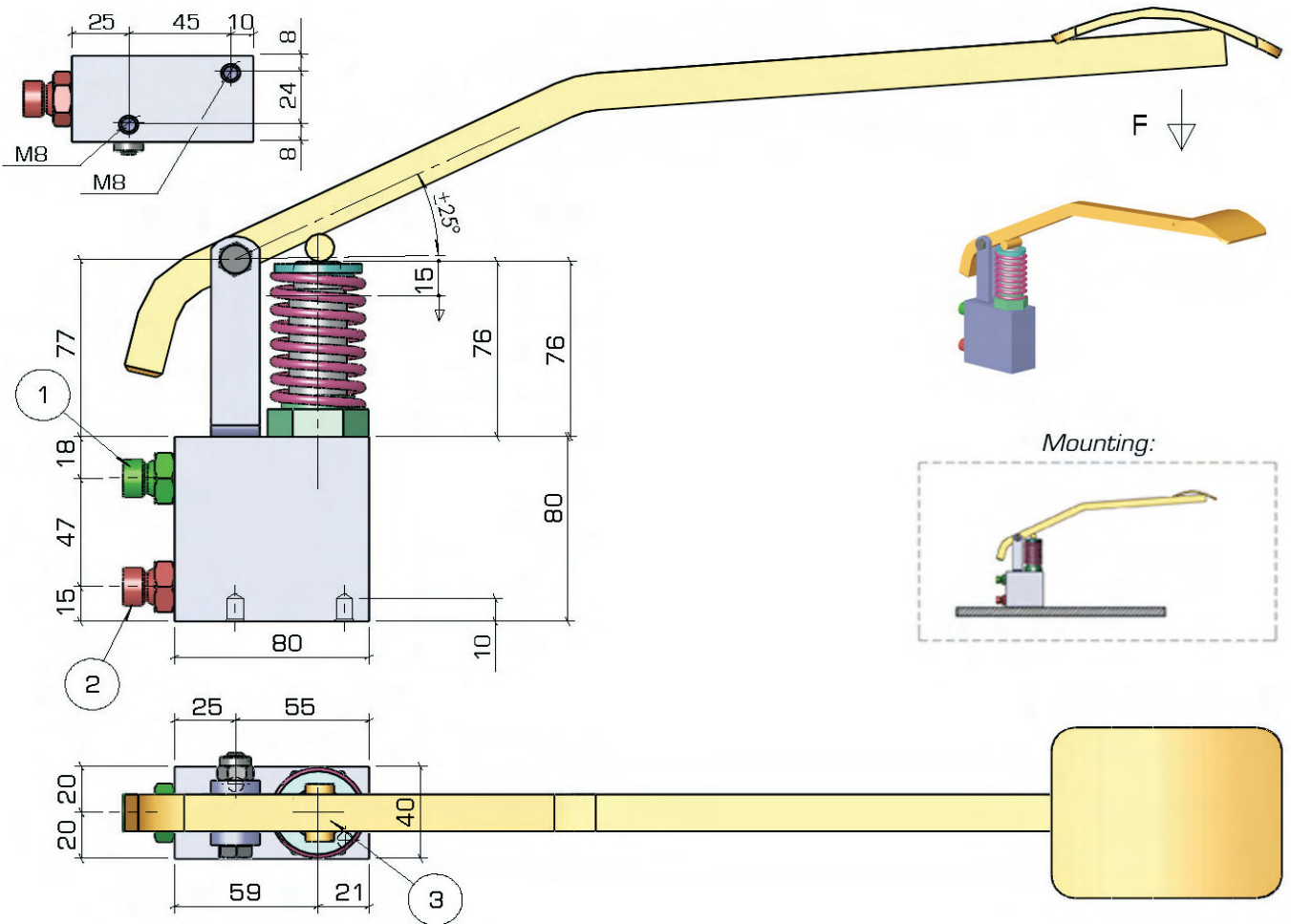
TYPE	DELIVERY cc	PRESSURE Bar
GLAPN16	3,2	250
GLAPN20	5	160
GLAPN25	7,5	100



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pedal Pump type GL 100 P

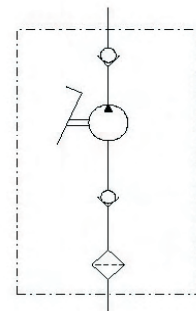
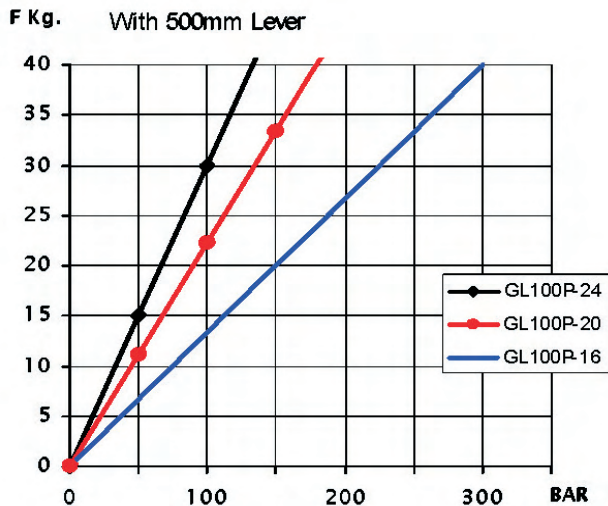
Single acting function pedal pump for single acting cylinder



Weight kg. 2,5

1 Pressure Port 3/8"G
2 Suction 3/8"G

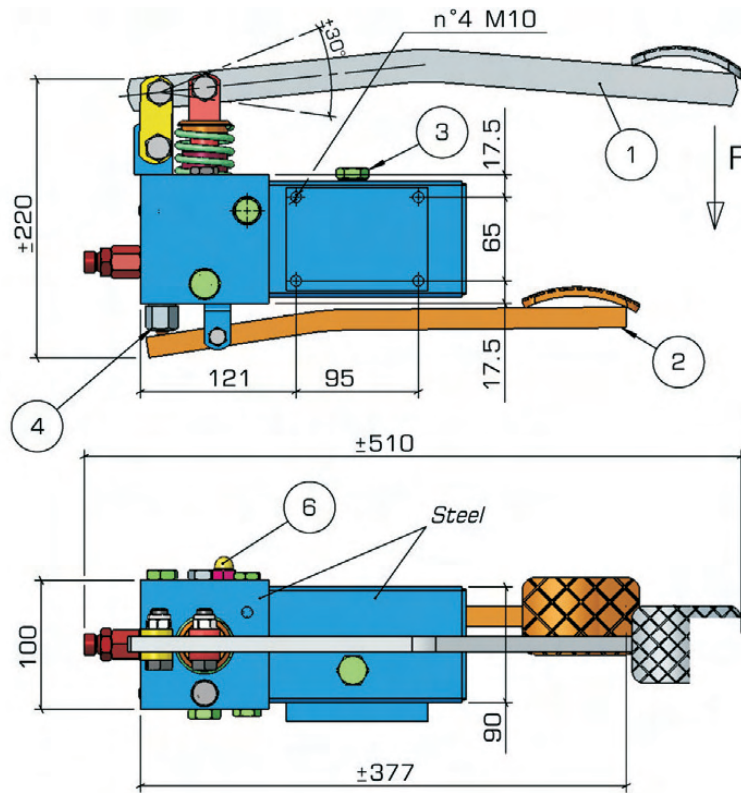
TYPE	DELIVERY cc
GL100P/16	3,2
GL100P/20	5
GL100P/24	7,5



Dimensions and characteristics not binding. Modifications reserved without prior notice.

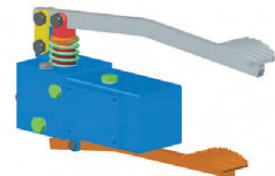
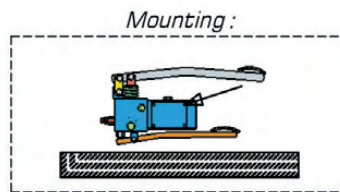
Hydraulic Pedal Pump type GL 115 MP-P

Two speed Single acting function pedal pump for single acting cylinder

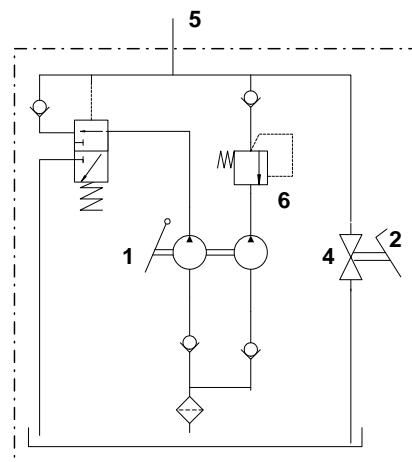
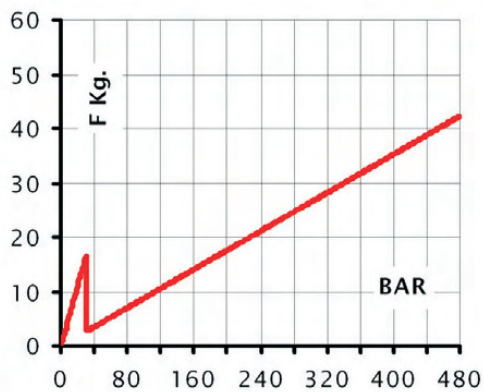


Weight Kg. ~13
Pressure Bar 420
Oil Tank ~1L

- 1 Action foot pedal
- 2 Discharge lever
- 3 Filler Plug (3/8" G)
- 4 Release Valve
- 5 Pressure port 90° connection
- 6 Max. Pressure Valve



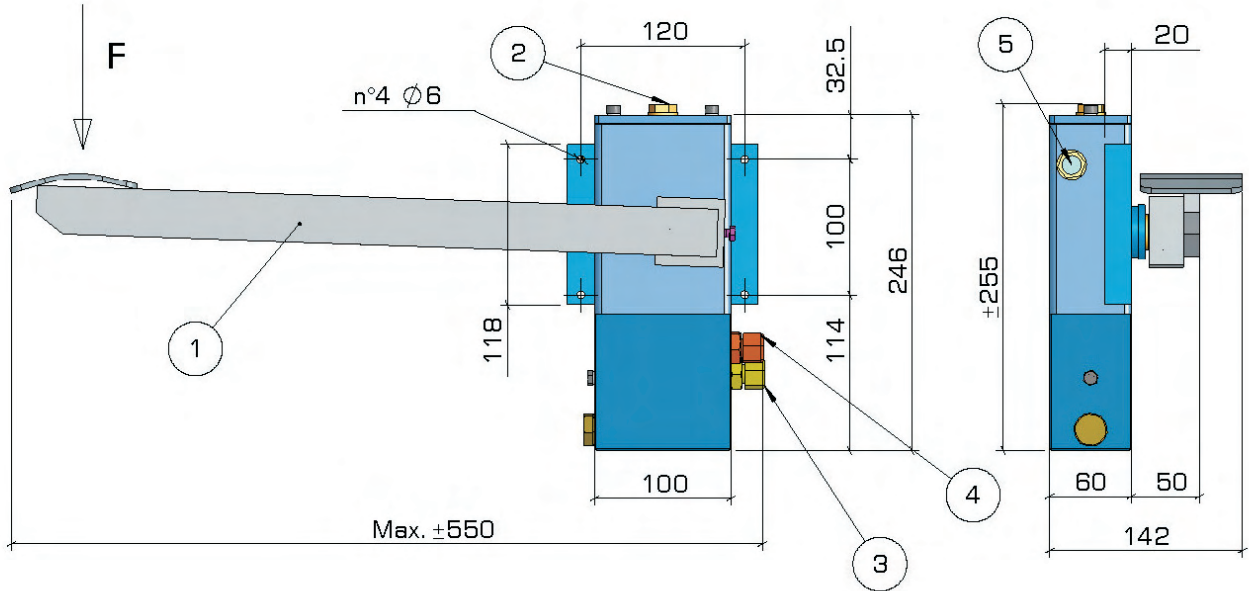
Function	DELIVERY cc	PRESSURE Bar
1° Speed	18.2	30
2° Speed	2.9	420



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pedal Pump type GL 138 P

Single acting function pedal pump for single acting cylinder

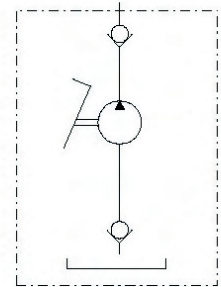
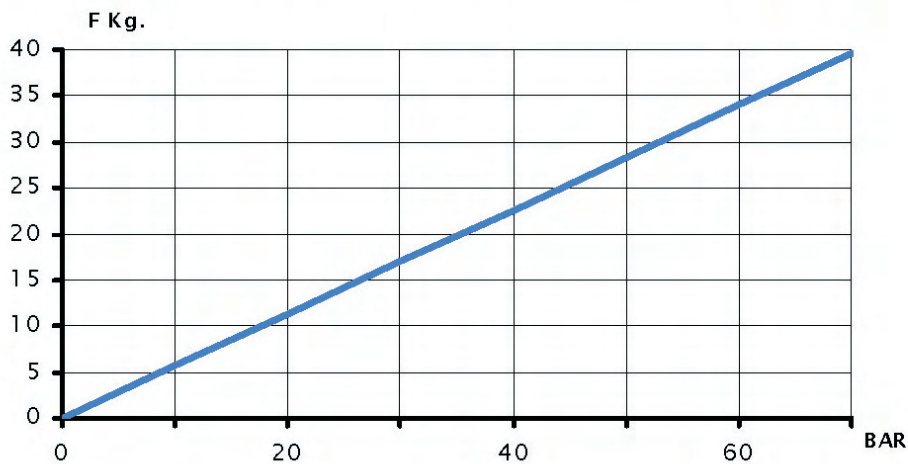
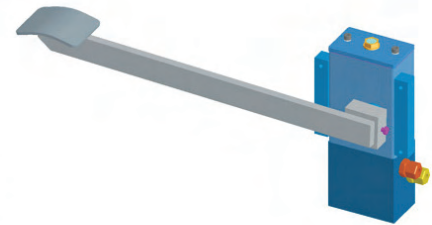


Pressure 60 bar
Delivery 17cc.
Tank 0,5 lt.

- 1 Foot Pedal
- 2 Filler Plug
- 3 Pressure port
- 4 Suction
- 5 Oil Level

Mounting:

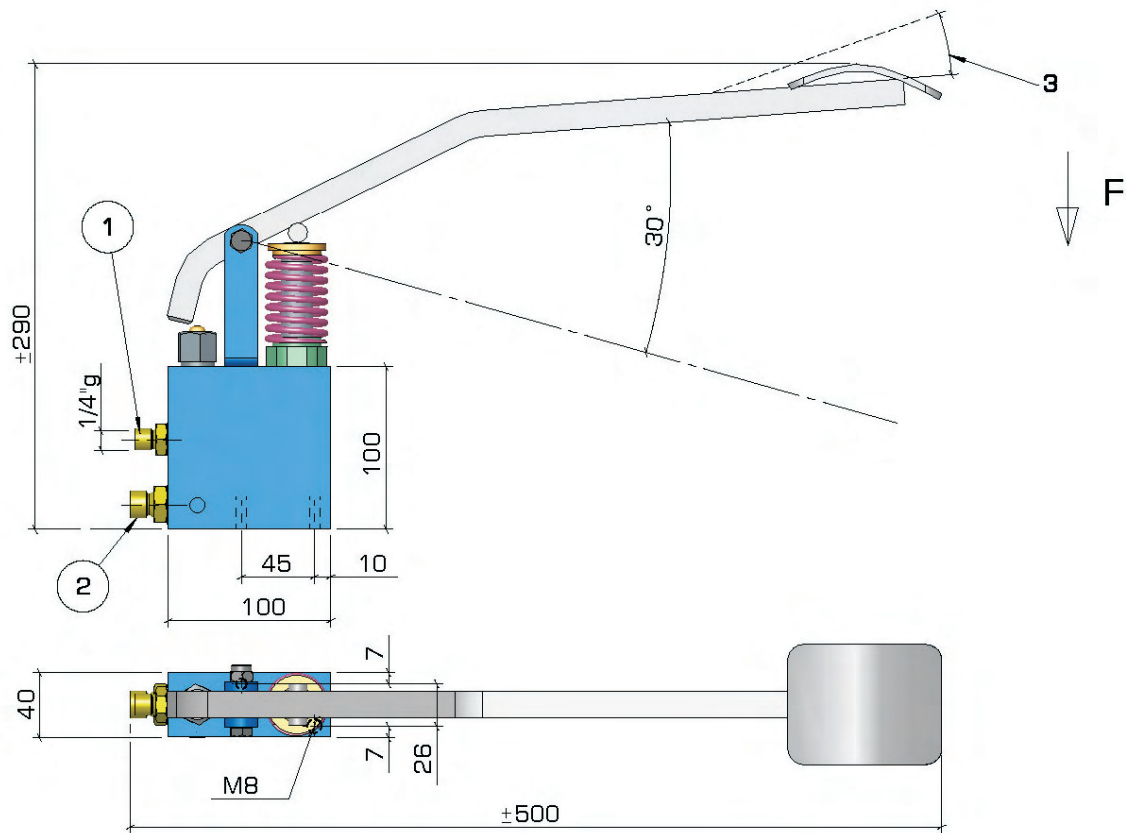
Only as dwg



Dimensions and characteristics not binding. Modifications reserved without prior notice.

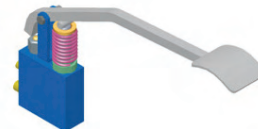
Hydraulic Pedal Pump type GL 144 P

Single acting function pedal pump with release function
for single acting cylinder



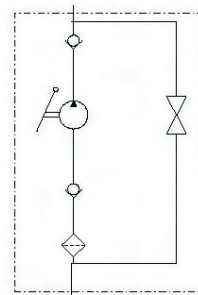
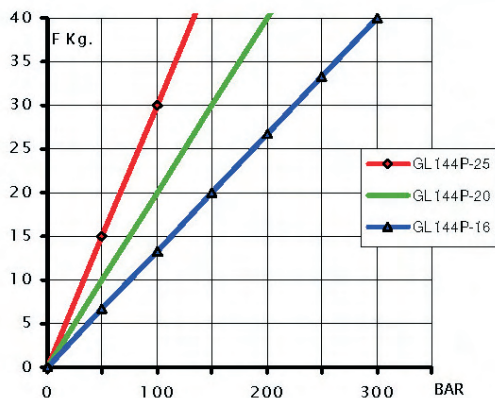
Weight kg. 3,5

- 1 Pressure Port
- 2 Suction
- 3 Release Field



TIPO - TYPE	PORTATA cc DELIVERY cc	PRESSIONE Bar PRESSURE Bar
GL 144P/16	3,6	250
GL 144P/20	5,6	160
GL 144P/24	8,1	100

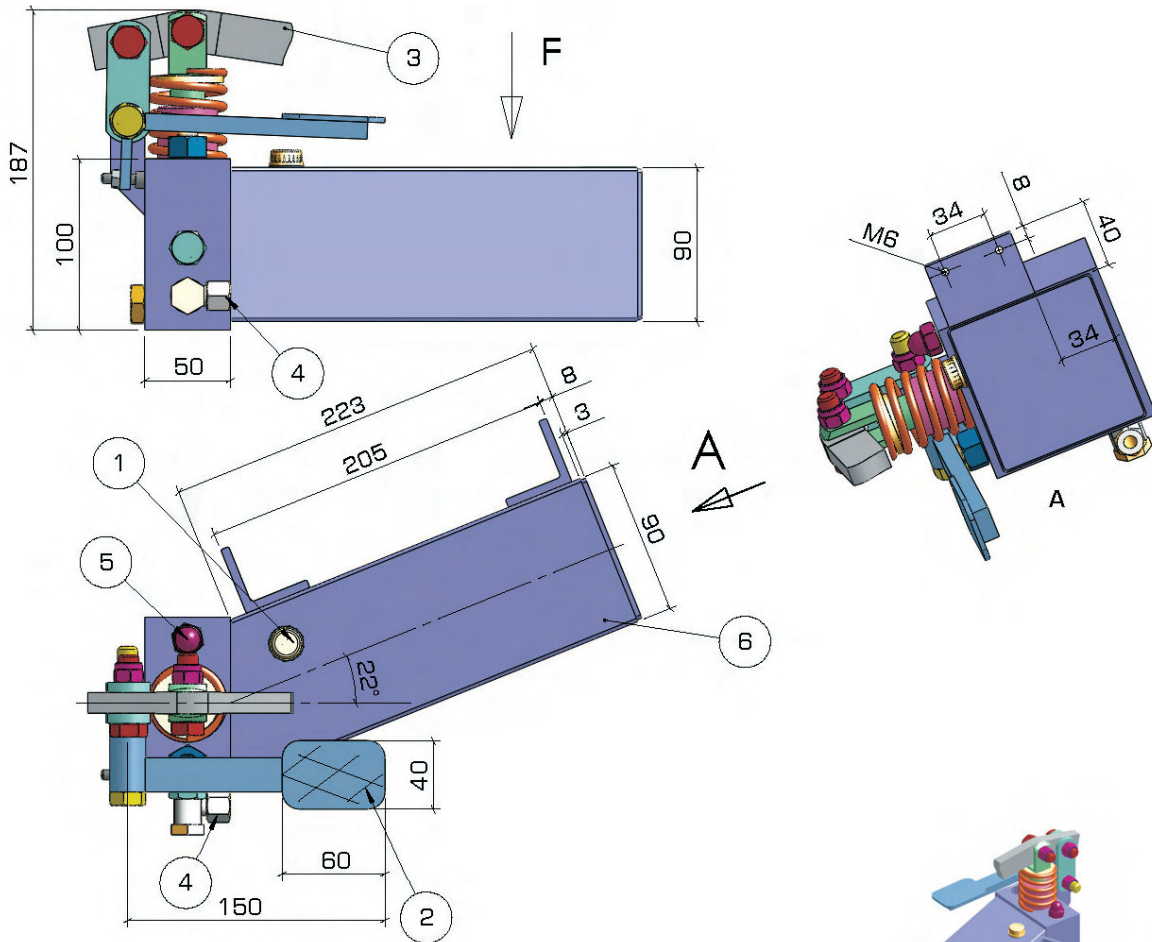
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

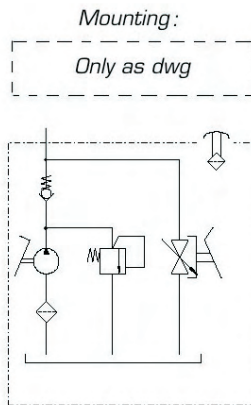
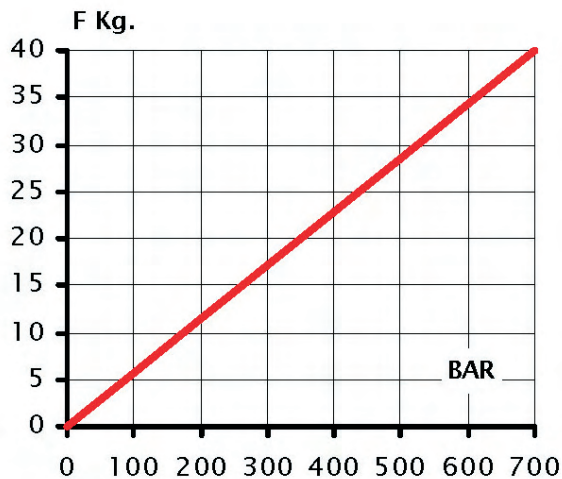
Hydraulic Pedal Pump type GL 219

Single acting function pedal pump with relief valve and release foot pedal for single acting cylinder



- 1 Filler Plug
- 2 Release foot pedal
- 3 Action foot pedal
- 4 Pressure port
- 5 Max. valve setting
- 6 Tank L.1,2

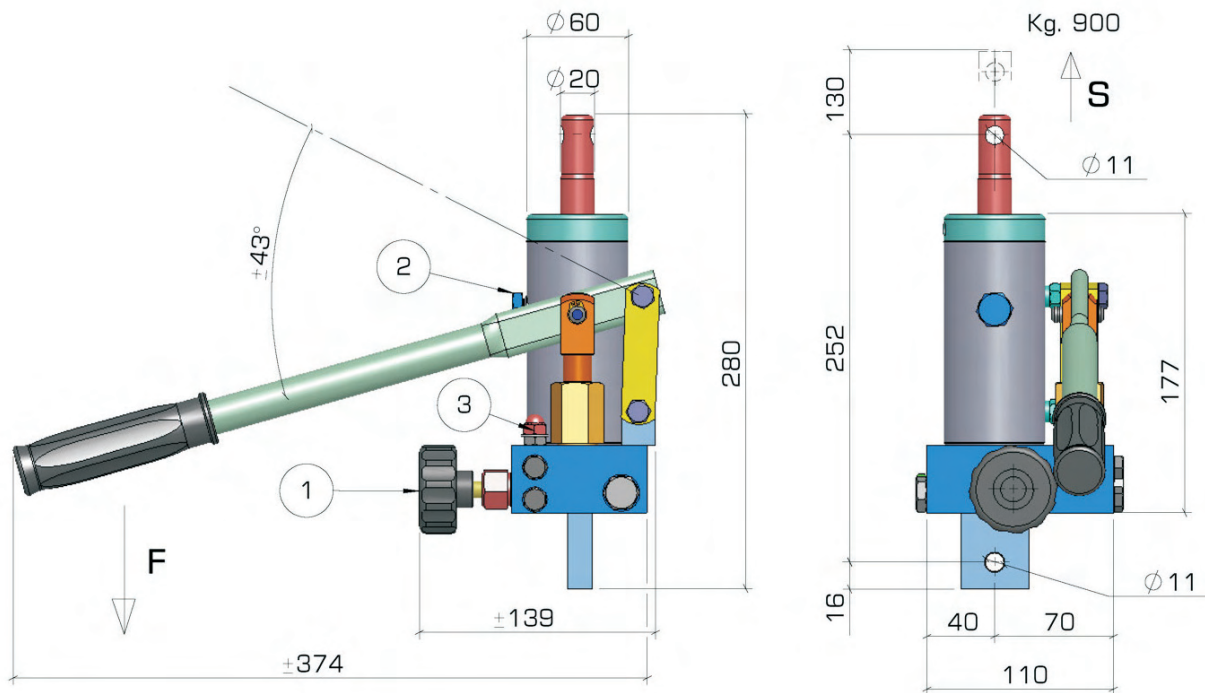
Weight Kg ~10
Pressure 650 Bar
Delivery 19 cc
Tank 1,2 L.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

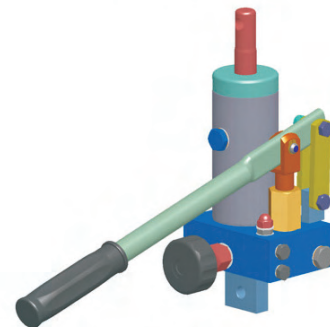
Hydraulic Pump type GL 12 C

Single acting function pump with built-in single acting cylinder

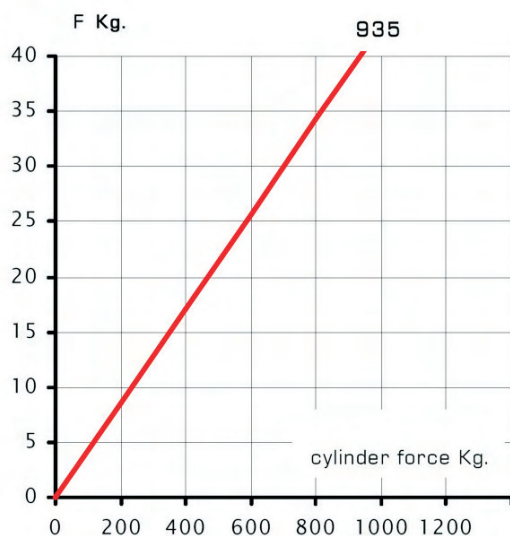
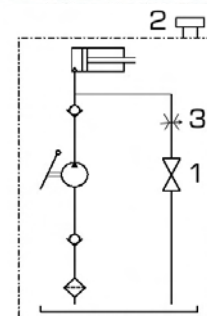
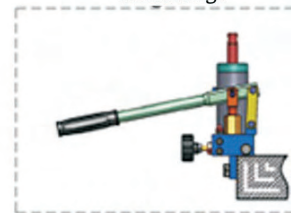


Weight (with oil) kg. ~6
 Force S Kg. 900
 Rod-Stroke per pumping Action mm12

- 1 Release Handknob
- 2 Filler Plug
- 3 Pressure release setting



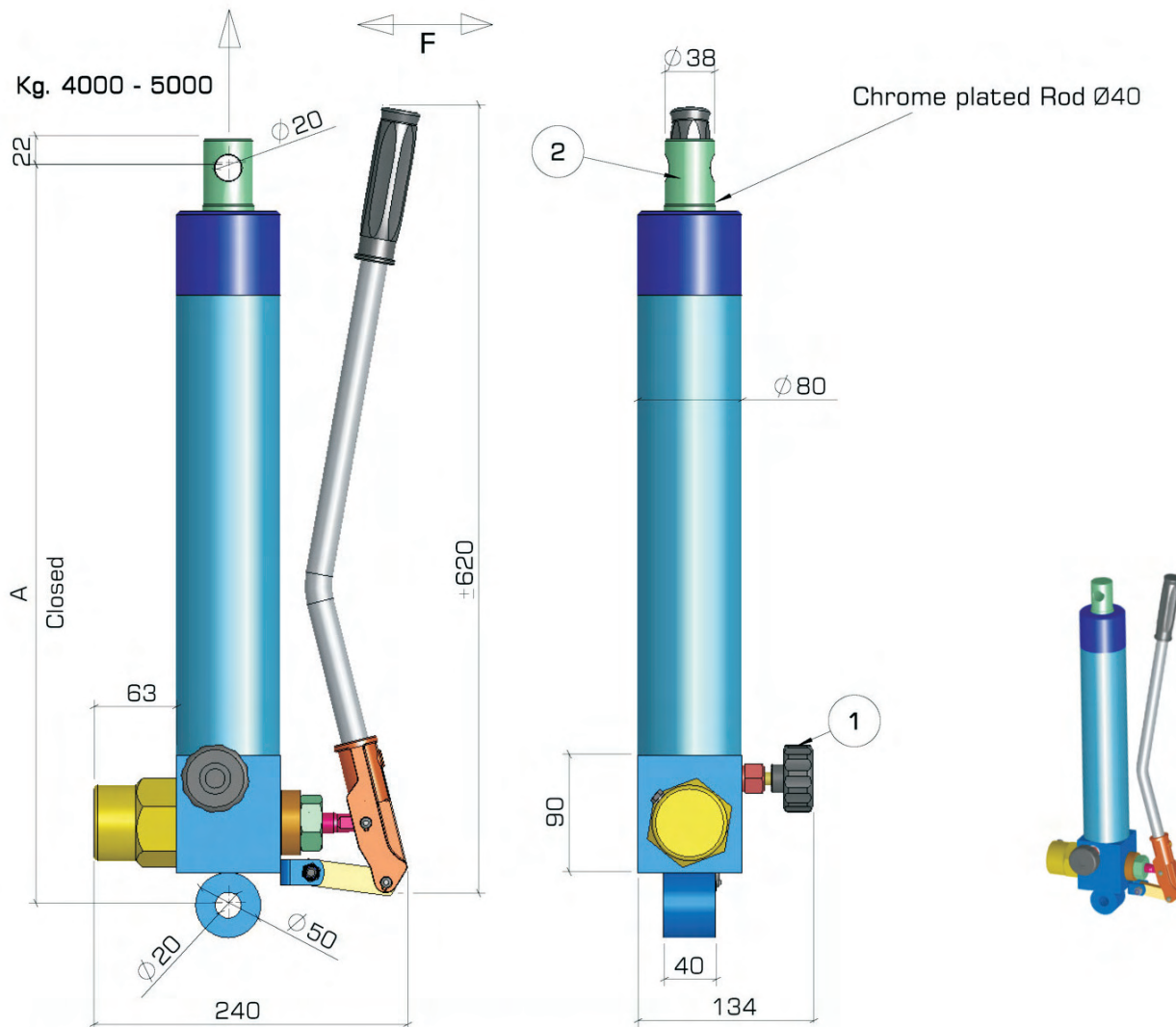
Mounting:



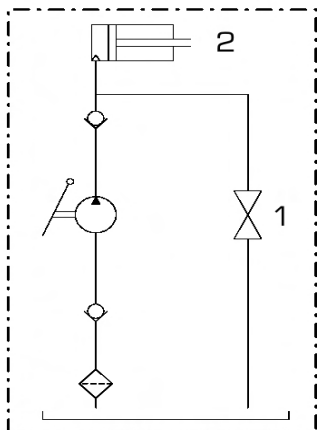
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 21 C 40

Double acting function pump with built-in single acting cylinder



TIP TYPE	Cylinder Stroke mm	A	Weight kg.
GL21C40-305	305	560	13.2
GL21C40-600	600	833	26

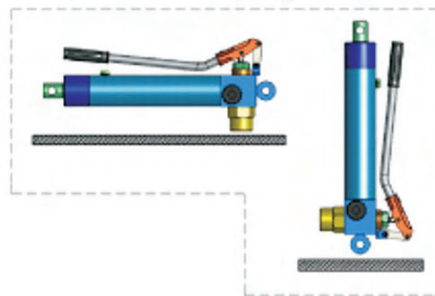


1 Release Handknob

2 Piston Rod Ø 40

Rod-Stroke per pumping action mm 12

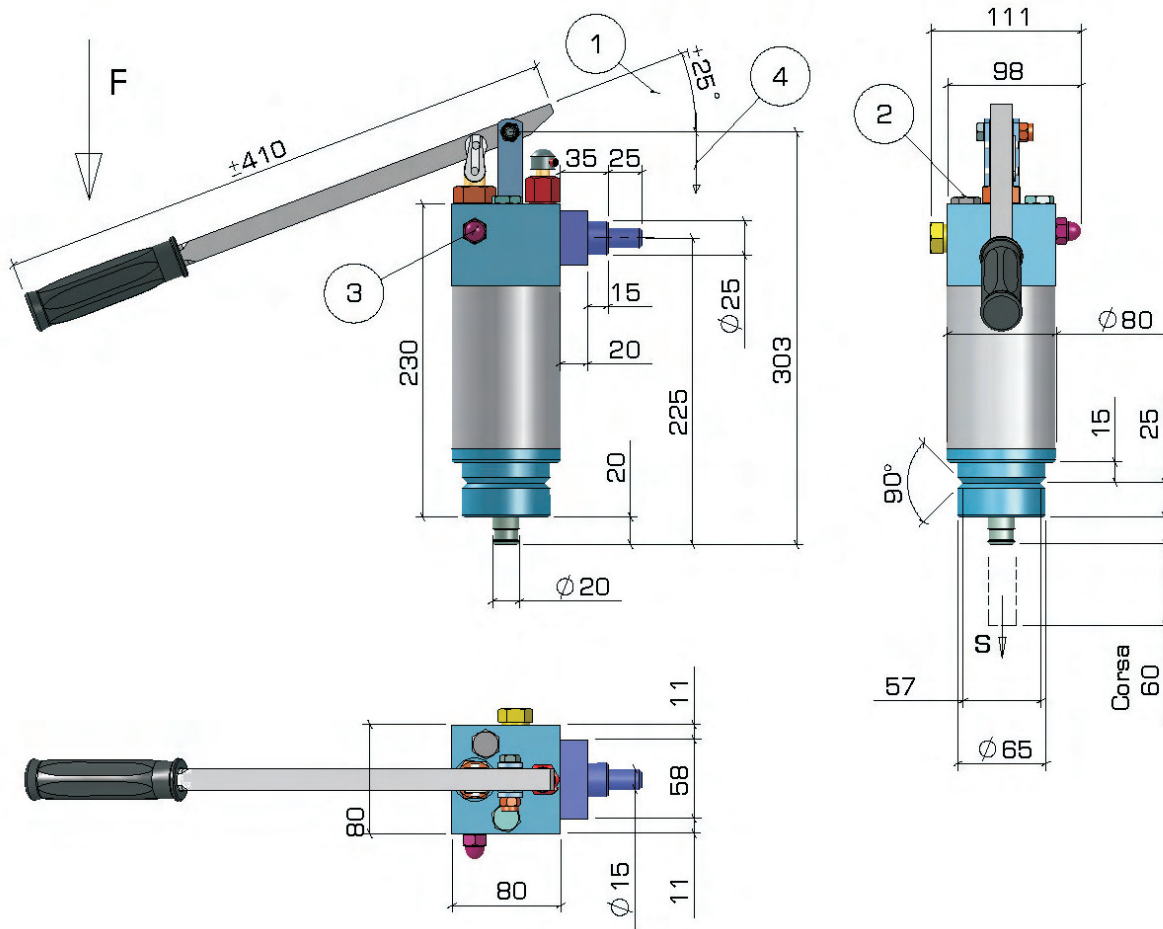
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

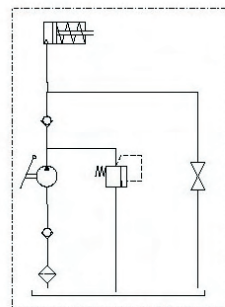
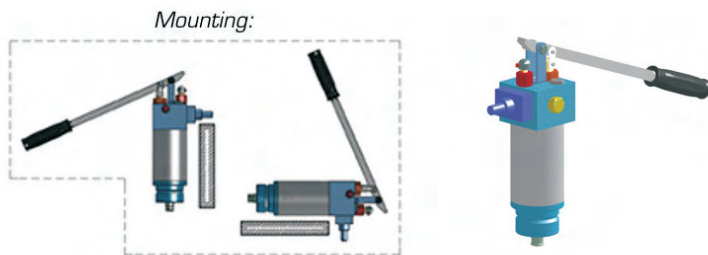
Hydraulic Pump type GLT 10

Single acting function pump with built-in single acting cylinder with spring return



Weight (with oil) Kg. ~8
Force Max. 2000 Kg.

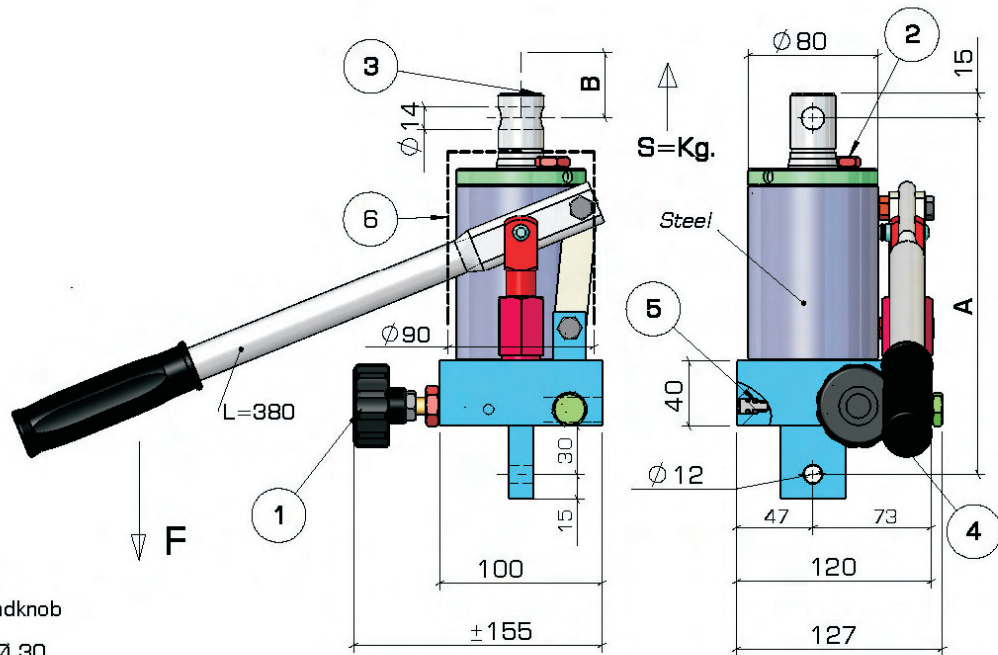
- 1 Lever action field
- 2 Oil Charge-Plug Without Breather
- 3 Max. Pressure Setting
- 4 Release Hanknob



Dimensions and characteristics not binding. Modifications reserved without prior notice.

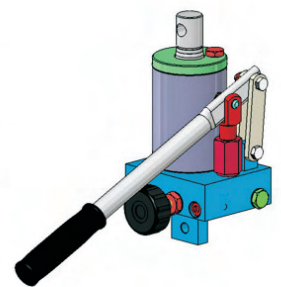
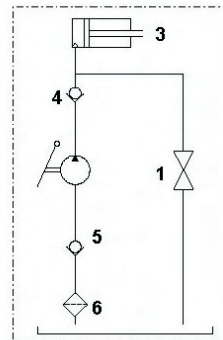
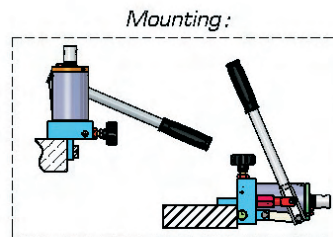
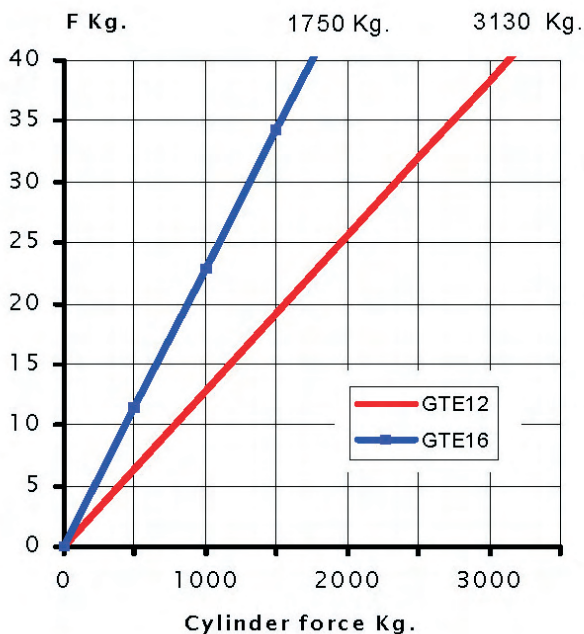
Hydraulic Pump type GTE

Single acting function pump with built-in single acting cylinder



- 1 Release Handknob
- 2 Filler Plug
- 3 Piston Rod \varnothing 30
- 4 Action Lever
- 5 Release setting
- 6 Piston protection (on request)

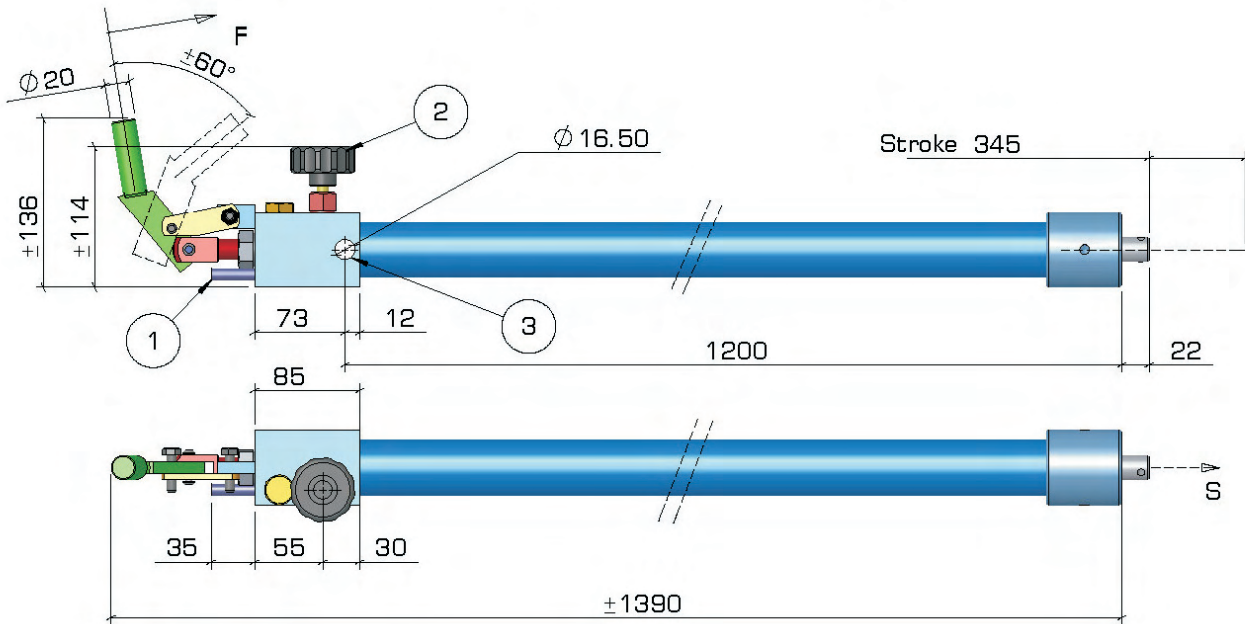
TYPE	B CYLINDER STROKE [mm]	STROKE * CYCLE [mm]	CYLINDER FORCE S [Kg]	A	WEIGHT [Kg]
GTE12-100	100	5	3100	220	~9
GTE12-200	200	5	3100	320	~13
GTE16-100	100	9	1700	220	~9
GTE16-200	200	9	1700	320	~13



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 177 M

Single acting function pump with built-in single acting cylinder

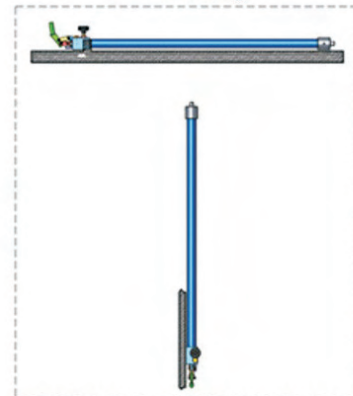


Delivery 4cc
Cylinder Stroke 345mm
Pressure 600Bar, cylinder force S 5700Kg.
Rod-stroke per pumping action: 4mm

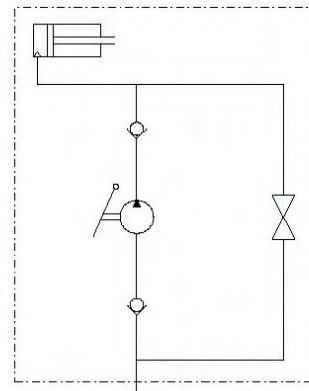
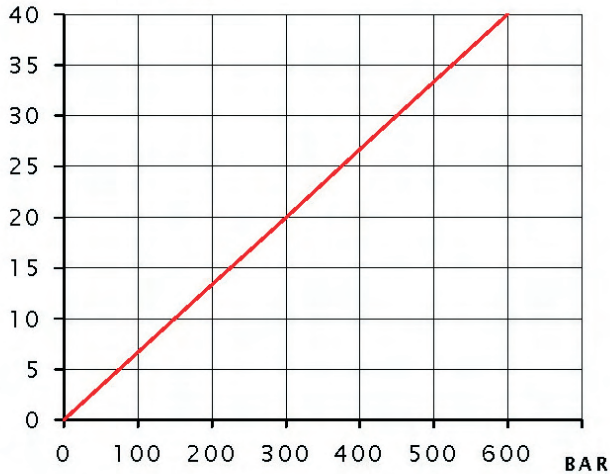
- 1 Suction
- 2 Release handknob
- 3 Mounting hole



Mounting:



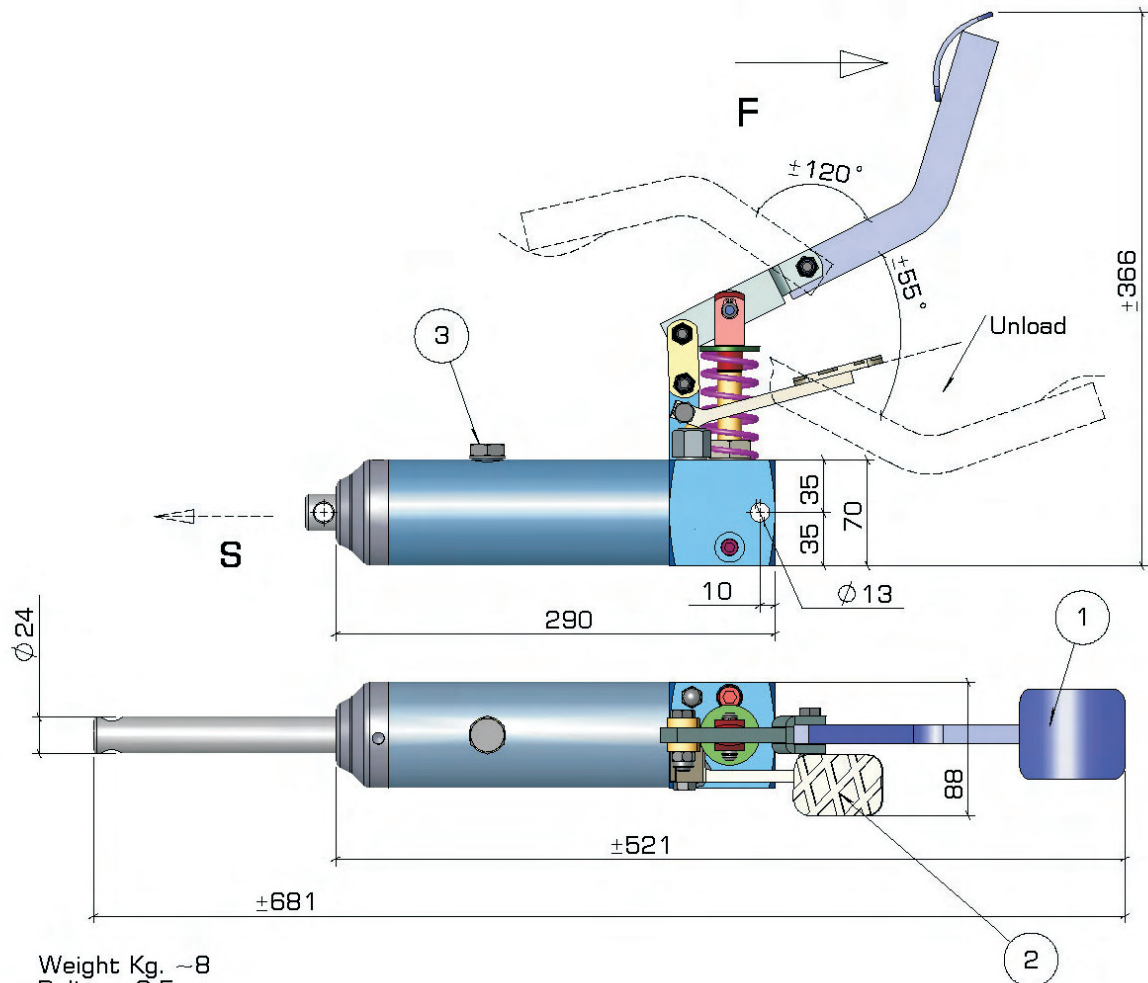
F Kg. 700mm Lever



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 224

Single acting function pedal pump with built-in single acting cylinder

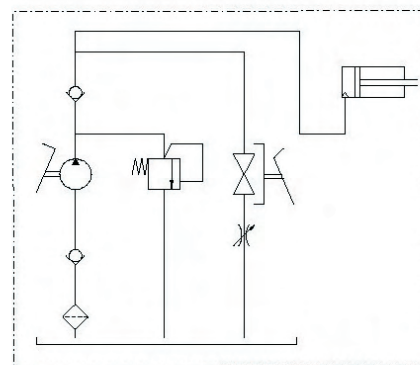
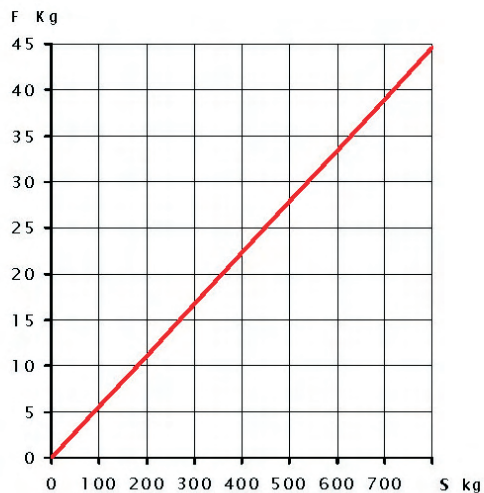
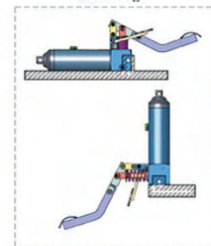


Weight Kg. ~8
 Delivery 6,5 cc
 Pressure 150 Bar
 Stroke 150mm
 Force ~700Kg

- 1 Foot Pedal
- 2 Unload Foot Pedal
- 3 Filler Plug
- 4 Mounting hole



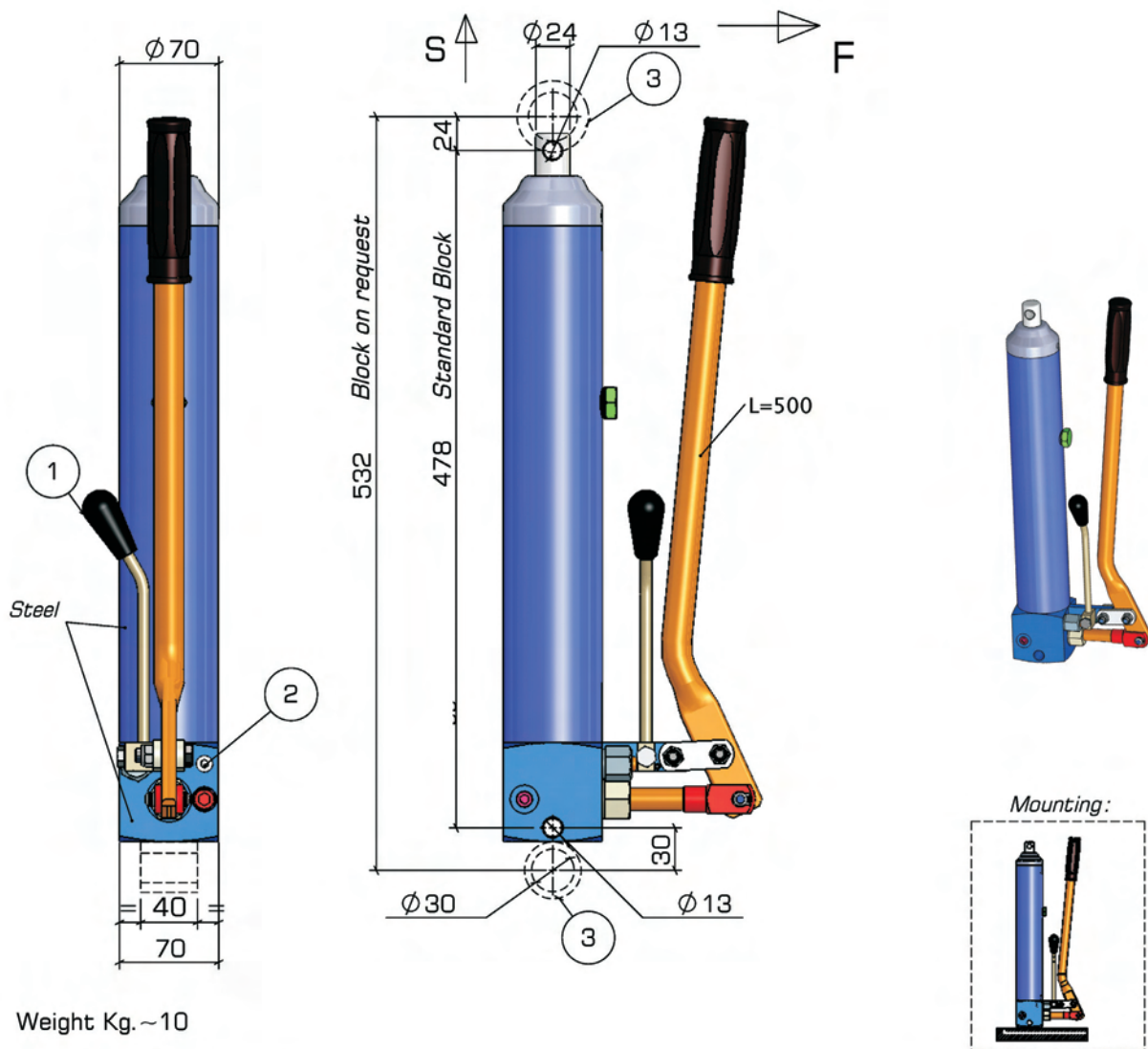
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 229-330

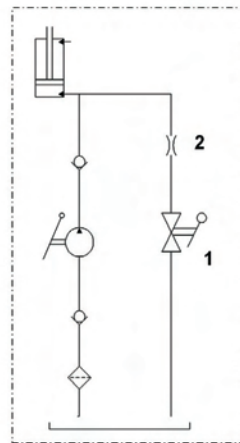
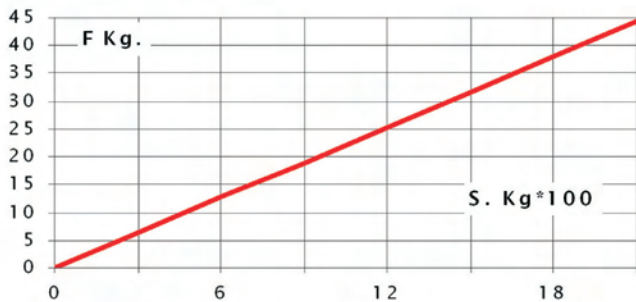
Single acting function pump with built-in single acting cylinder



Weight Kg. ~10

- 1 Release Lever
- 2 Release Setting throttle
- 3 Mounting eye (on request)

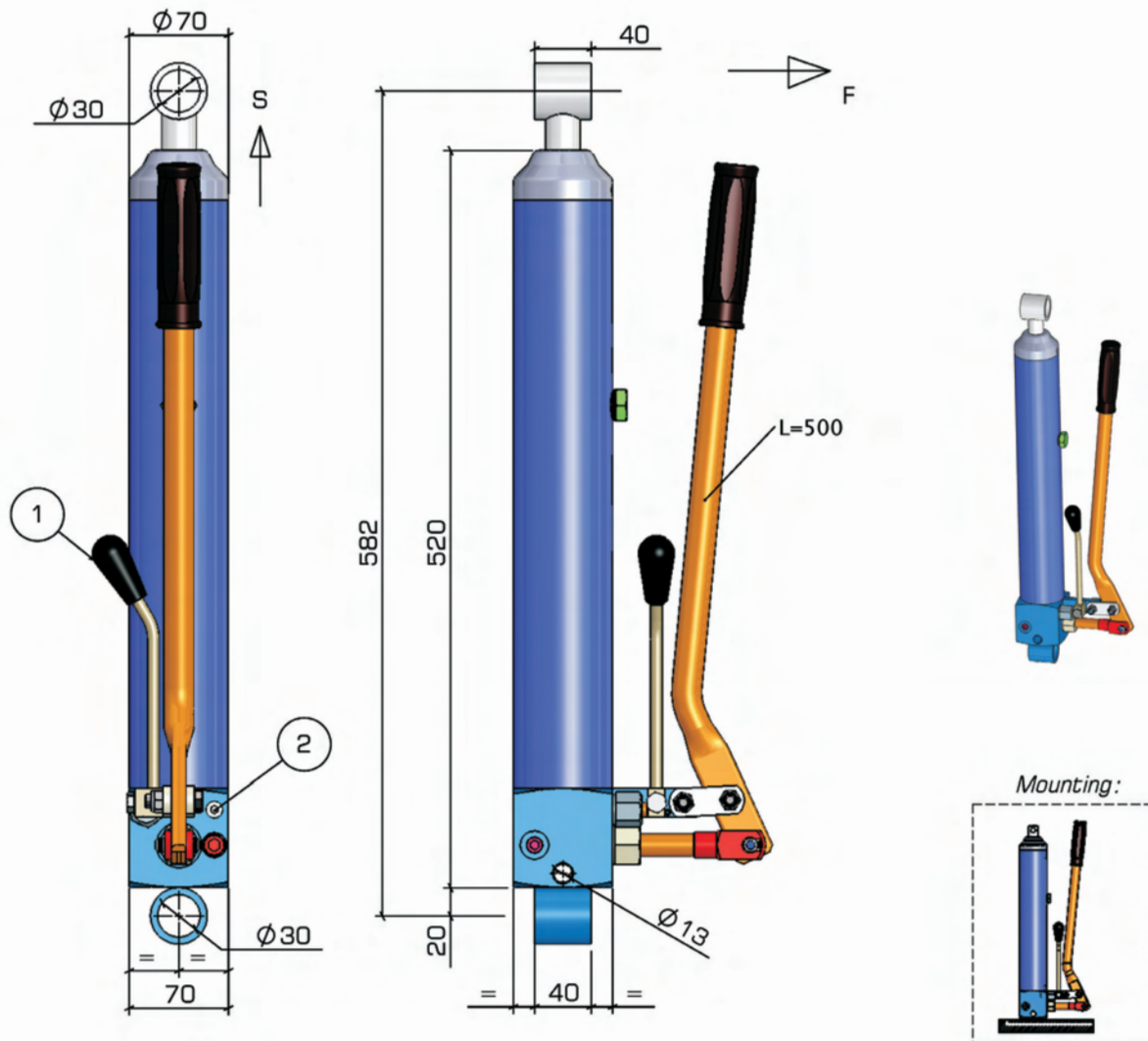
Standard Stroke 330mm
Rod-Stroke Per Pumping Action 8 mm
Force S = ~2000Kg



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 229-380

Single acting function pump with built-in single acting cylinder

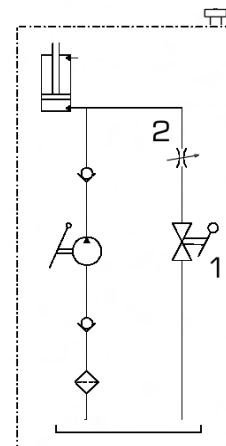
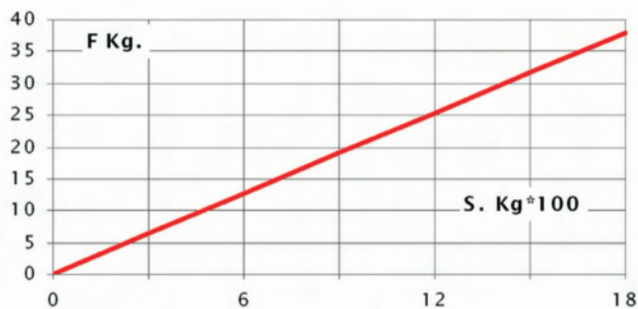


Weight Kg. ~11

- 1 Release Lever
- 2 Pressure Release Setting

Standard Stroke 380mm

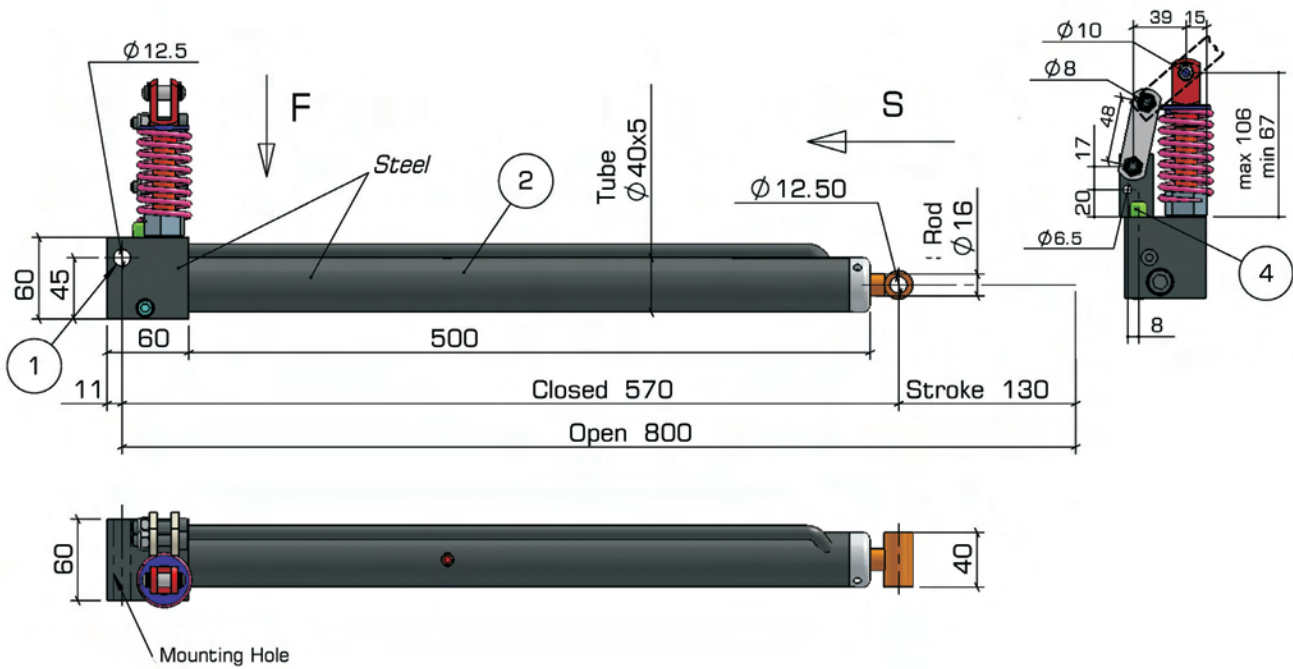
Rod-Stroke Per Pumping Action 8 mm



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 239

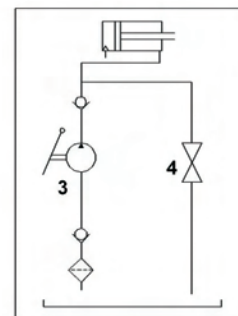
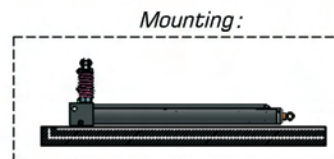
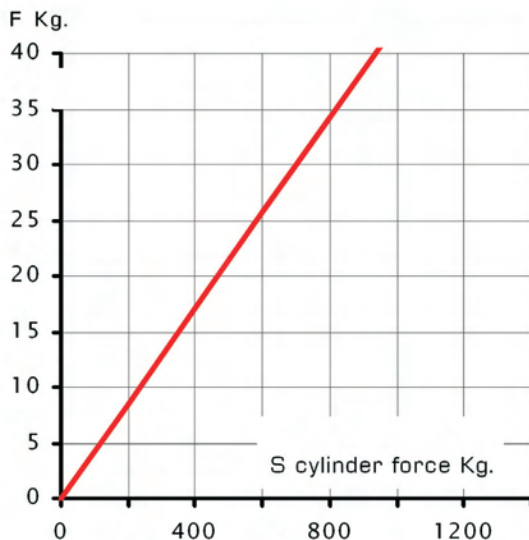
Foot Pedal Single acting function pump with built-in single acting cylinder



Weight Kg. 6
Traction cylinder
Rod stroke per hit: ~10mm
Total N° of hit for complete stroke: 24-25

- 1 Mounting Hole
- 2 Filler Plug (without breath)
- 3 Action Piston *
- 4 Release Pin *

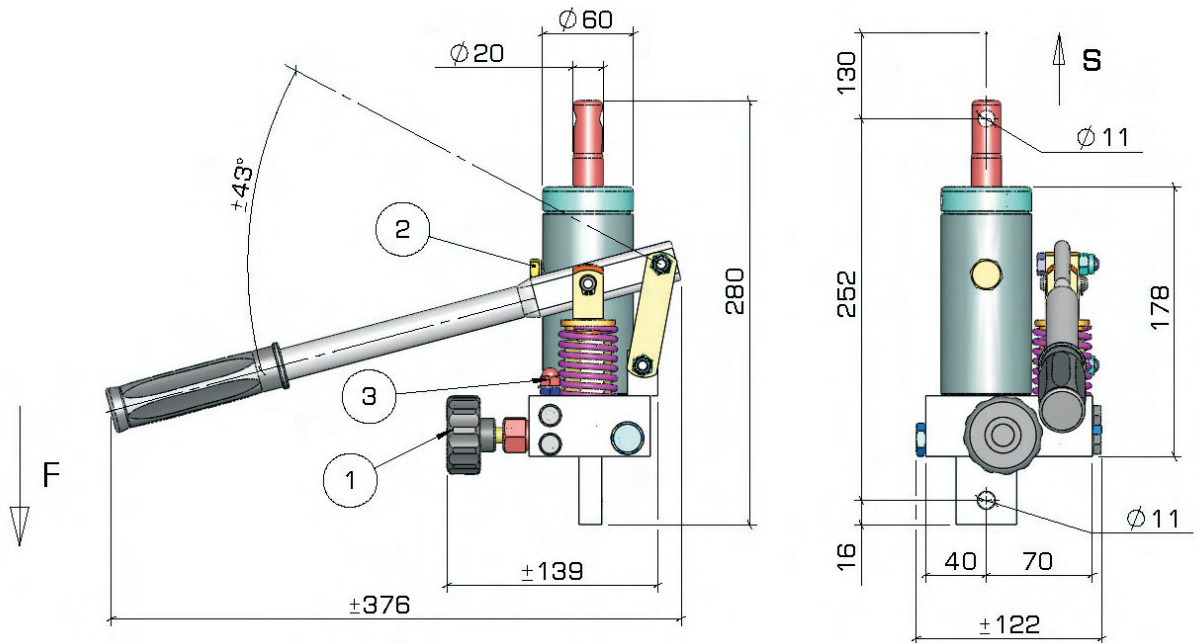
* Action lever and release lever are not supplied.



Dimensions and characteristics not binding. Modifications reserved without prior notice.

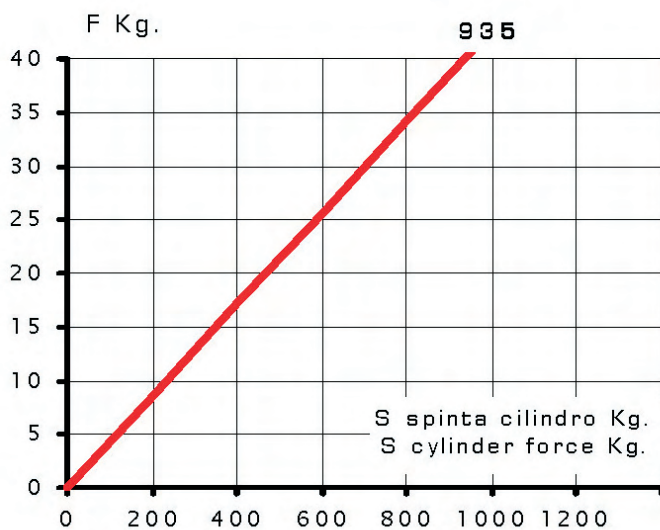
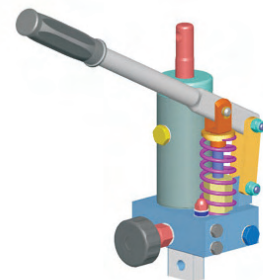
Hydraulic Pump type GL 243

Single acting function pump with built-in single acting cylinder



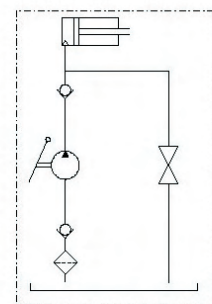
Weight kg. ~ 6
S=Force Kg. 900
Rod-Stroke per pumping Action mm 12

- 1 Release Handknob
- 2 Filler Plug
- 3 Pressure release setting



Mounting:

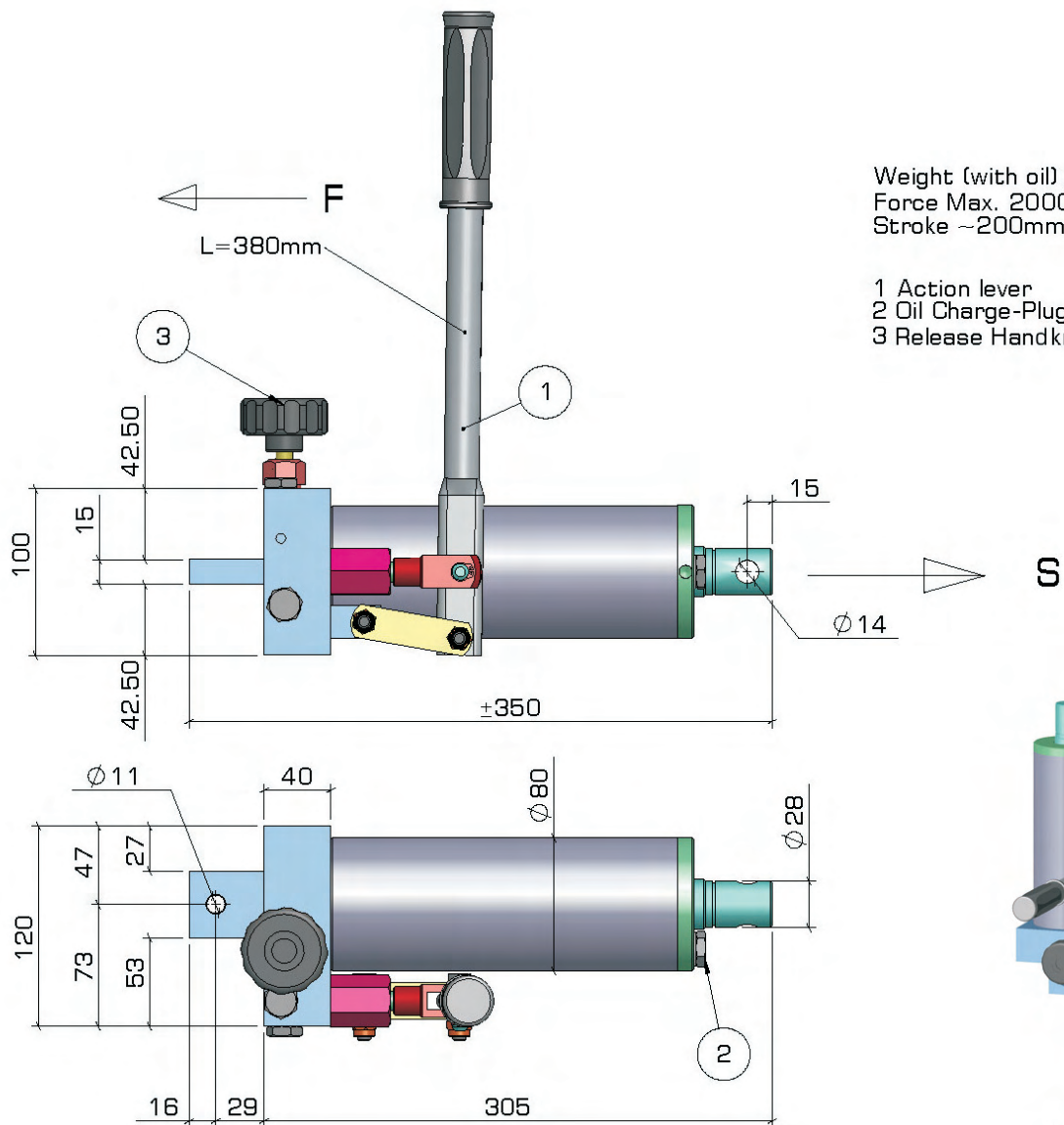
Only as dwg



Dimensions and characteristics not binding. Modifications reserved without prior notice.

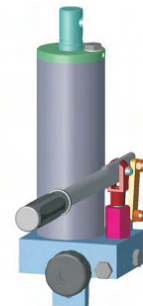
Hydraulic Pump type GL 249

Single acting function pump with built-in single acting cylinder



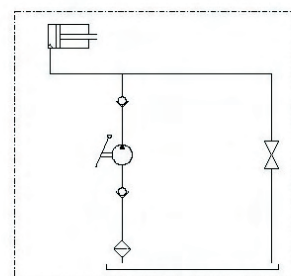
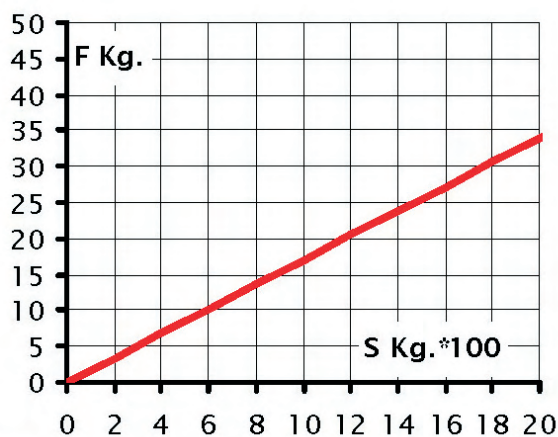
Weight (with oil) Kg. ~ 10,5
Force Max. 2000 Kg.
Stroke ~ 200mm

- 1 Action lever
- 2 Oil Charge-Plug
- 3 Release Handknob



Mounting :

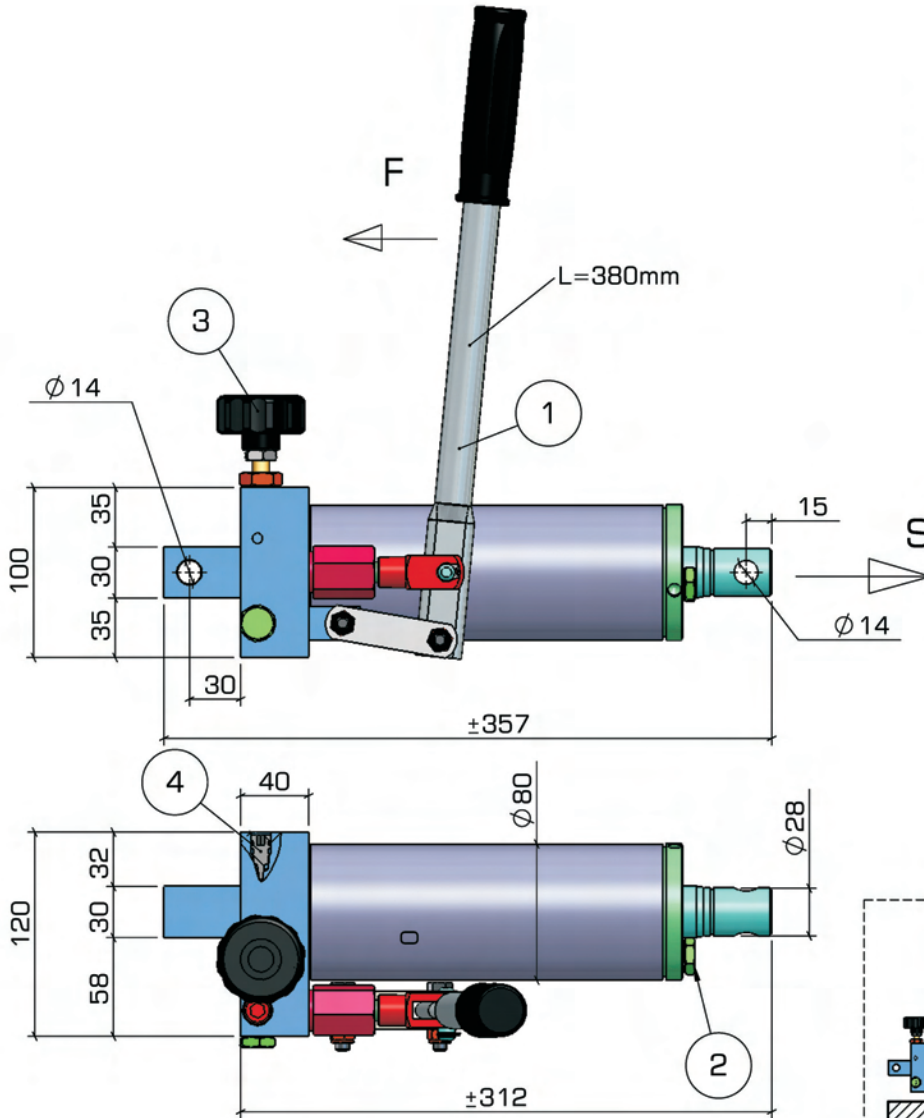
From horizontal to vertical cylinder rod up



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 249-RG

Single acting function pump with built-in single acting cylinder



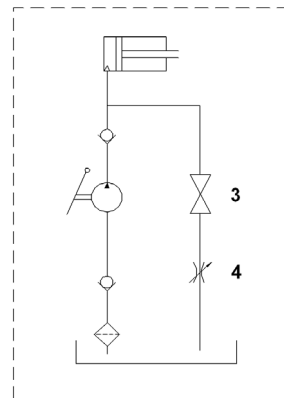
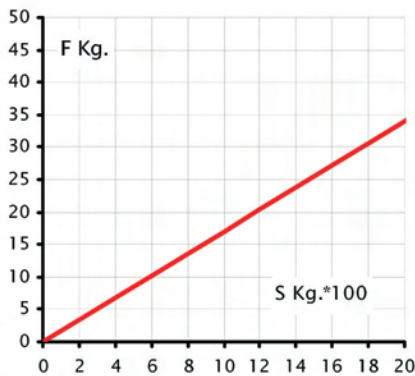
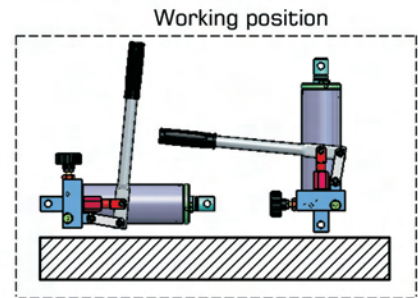
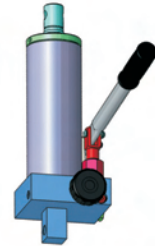
Weight (with oil) Kg. ~10,5

Force Max. 2000 Kg.

Stroke :200mm

Rod-Stroke: 12mm/Cycle

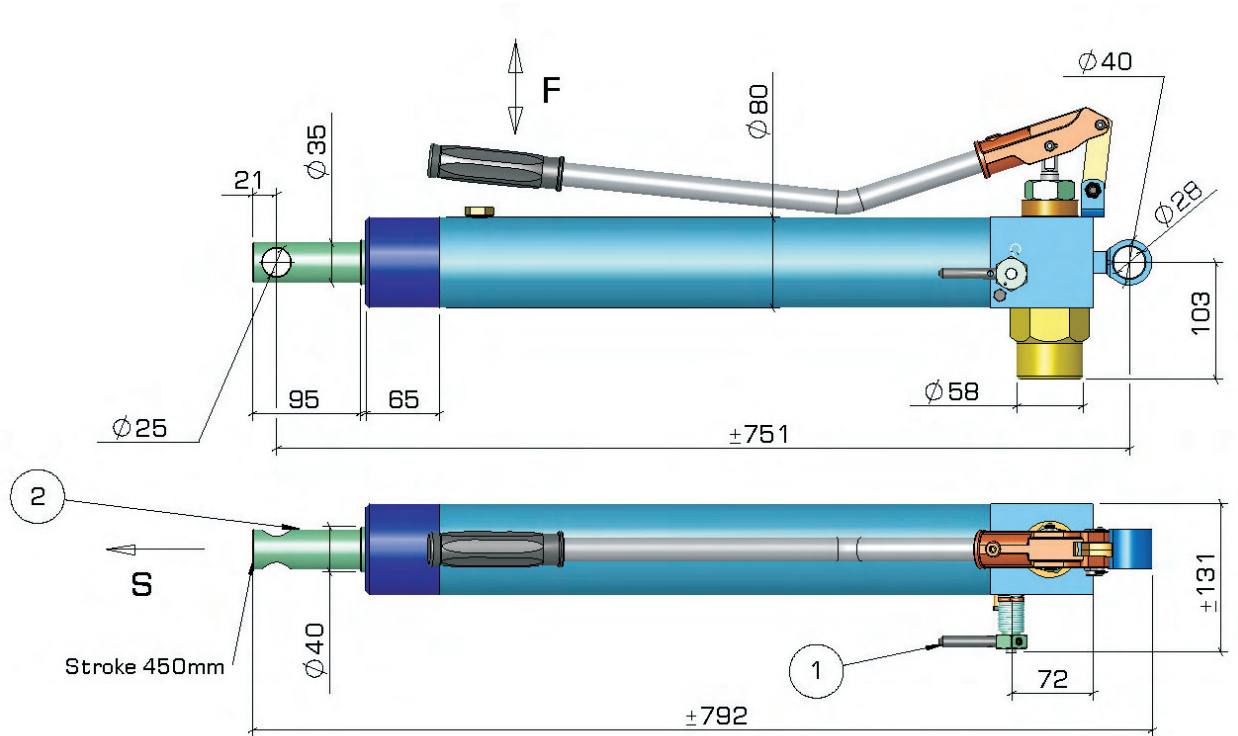
- 1 Action lever
- 2 Oil Charge-Plug
- 3 Release Handknob
- 4 Release setting



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 254

Double acting function pump with built-in single acting cylinder

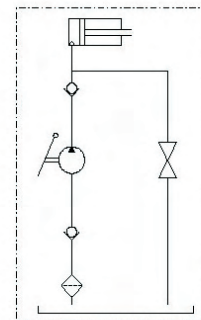
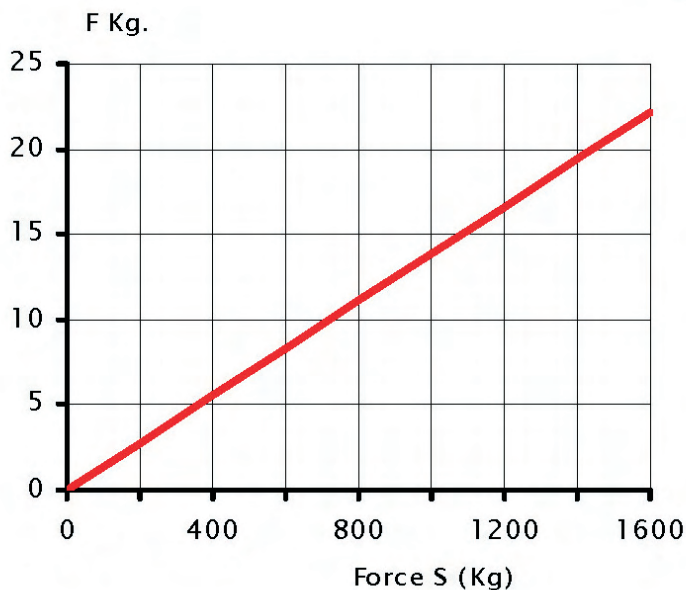


Rod-Stroke per pumping action mm 12
Force Max (S) ~1300Kg
Delivery 14 cc

1 Release Handknob
2 Piston Rod Ø 40

Mounting :

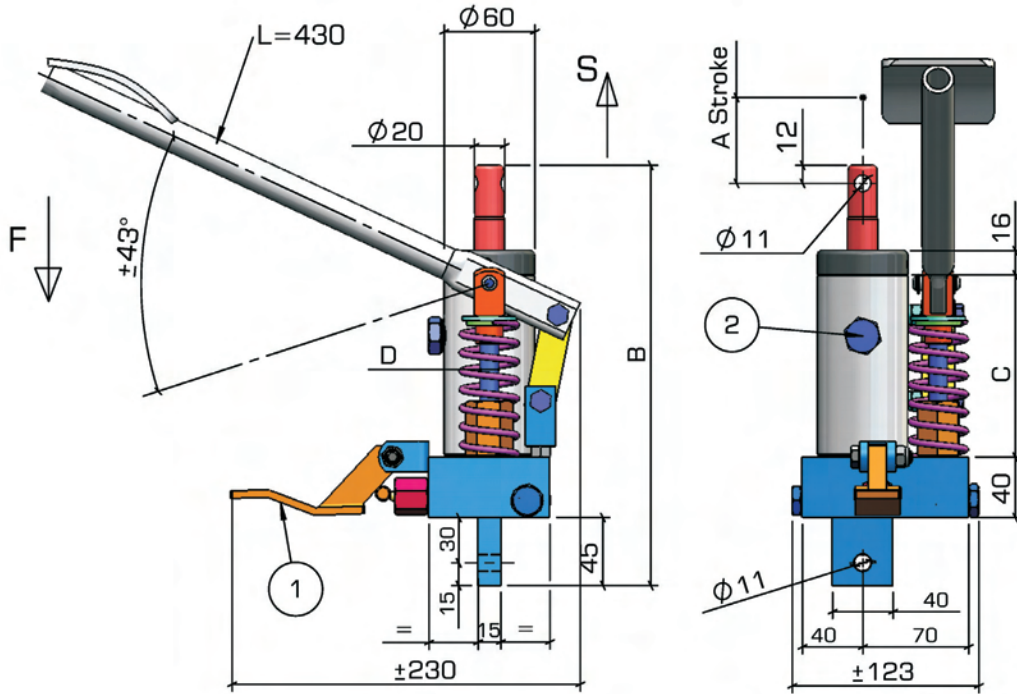
From horizontal to
vertical cylinder rod up



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 267

Single acting function pedal pump with built-in single acting cylinder

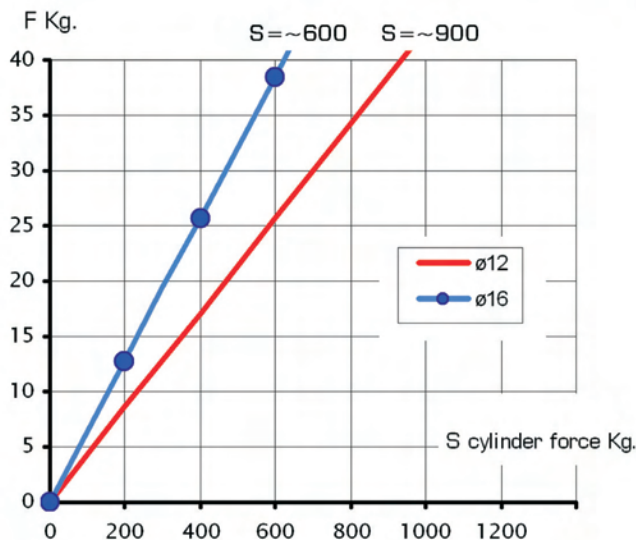
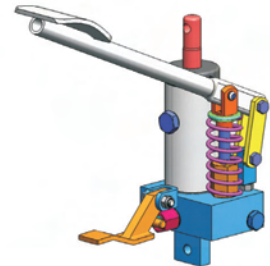


Piston $\varnothing 12$:
Rod-Stroke per pumping Action mm12
S max= ~ 900Kg

Piston $\varnothing 16$ (on request):
Rod-Stroke per pumping Action mm22
S max= ~600Kg

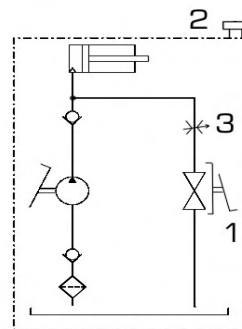
- 1 Release Foot pedal
- 2 Filler Plug
- 3 Return speed setting

Type	A	B	C	D
GL267-130	130	280	128	$\varnothing 12$
GL267-16-130	130	280	128	$\varnothing 16$



Mounting:

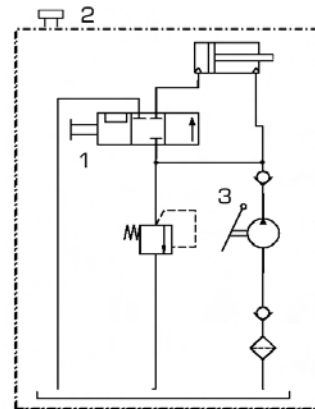
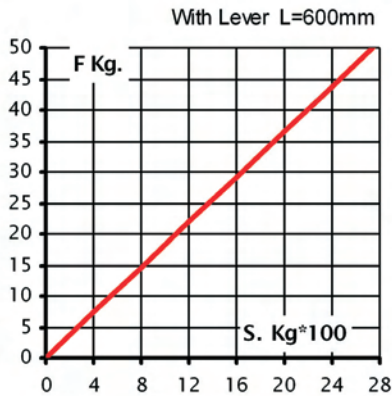
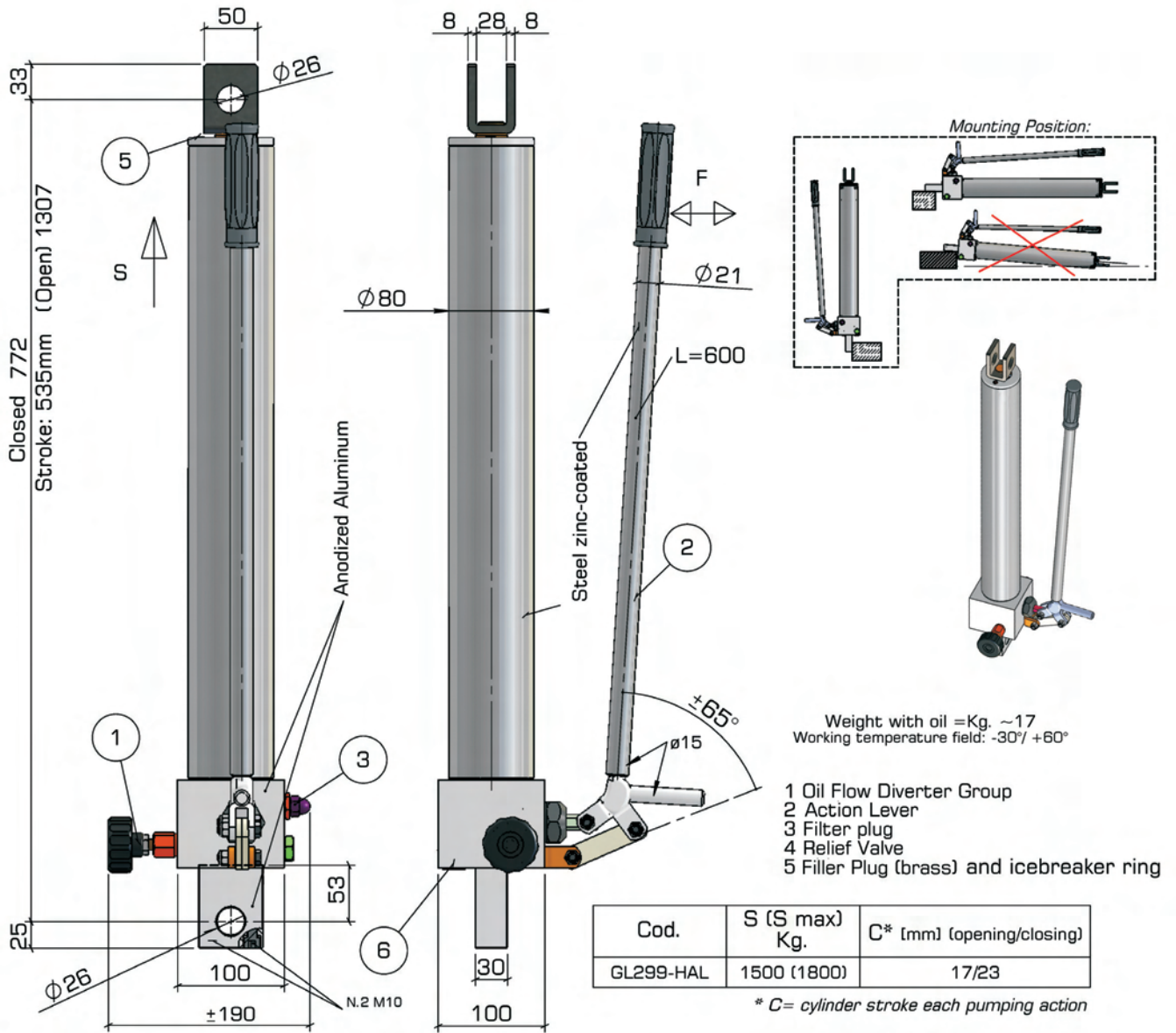
Only as dwg
(Cyl. rod up)



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 299-HAL

Double acting function pump with built-in double acting cylinder



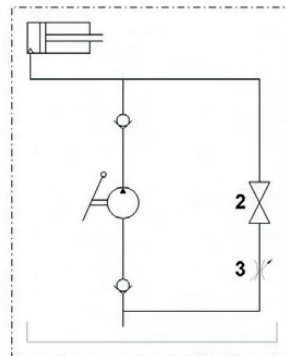
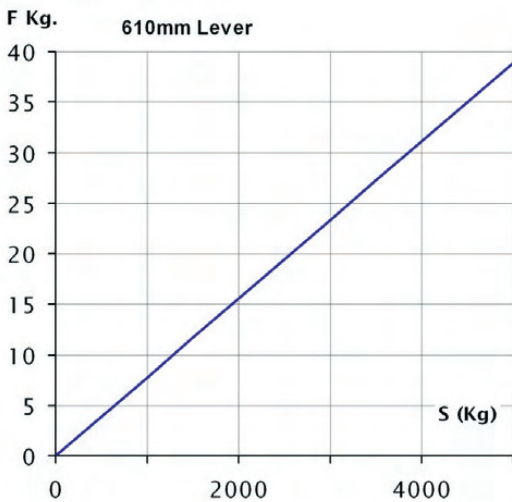
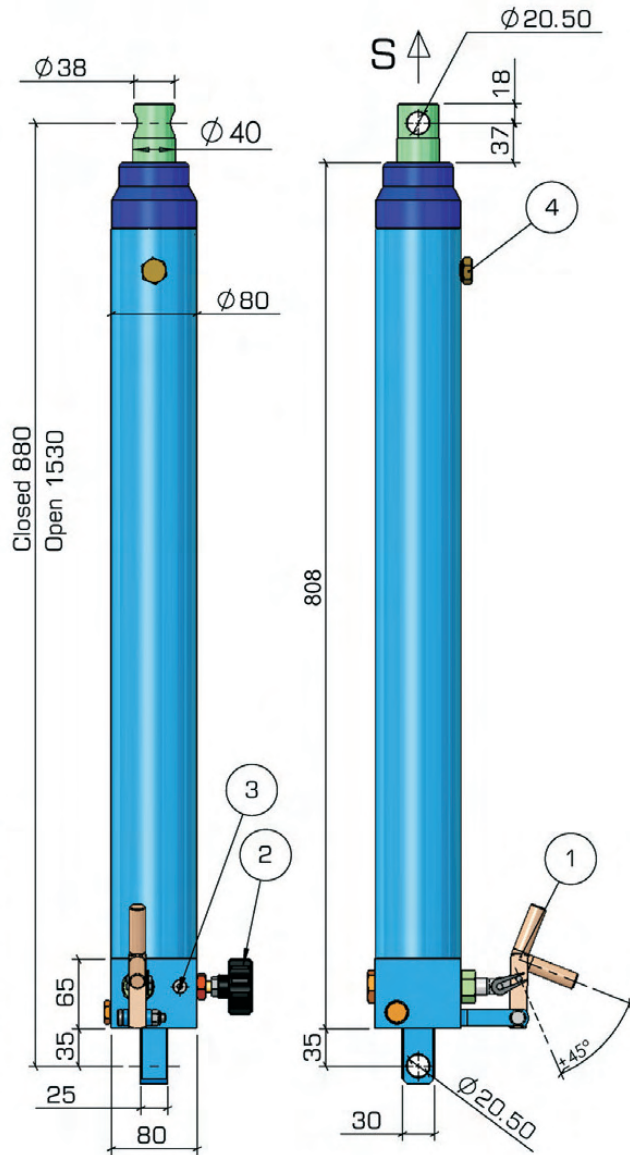
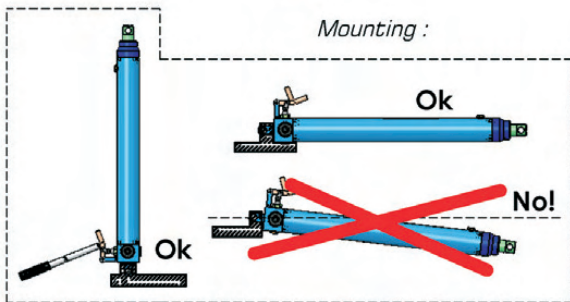
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Pump type GL 304

Double acting function pump with built-in single acting cylinder

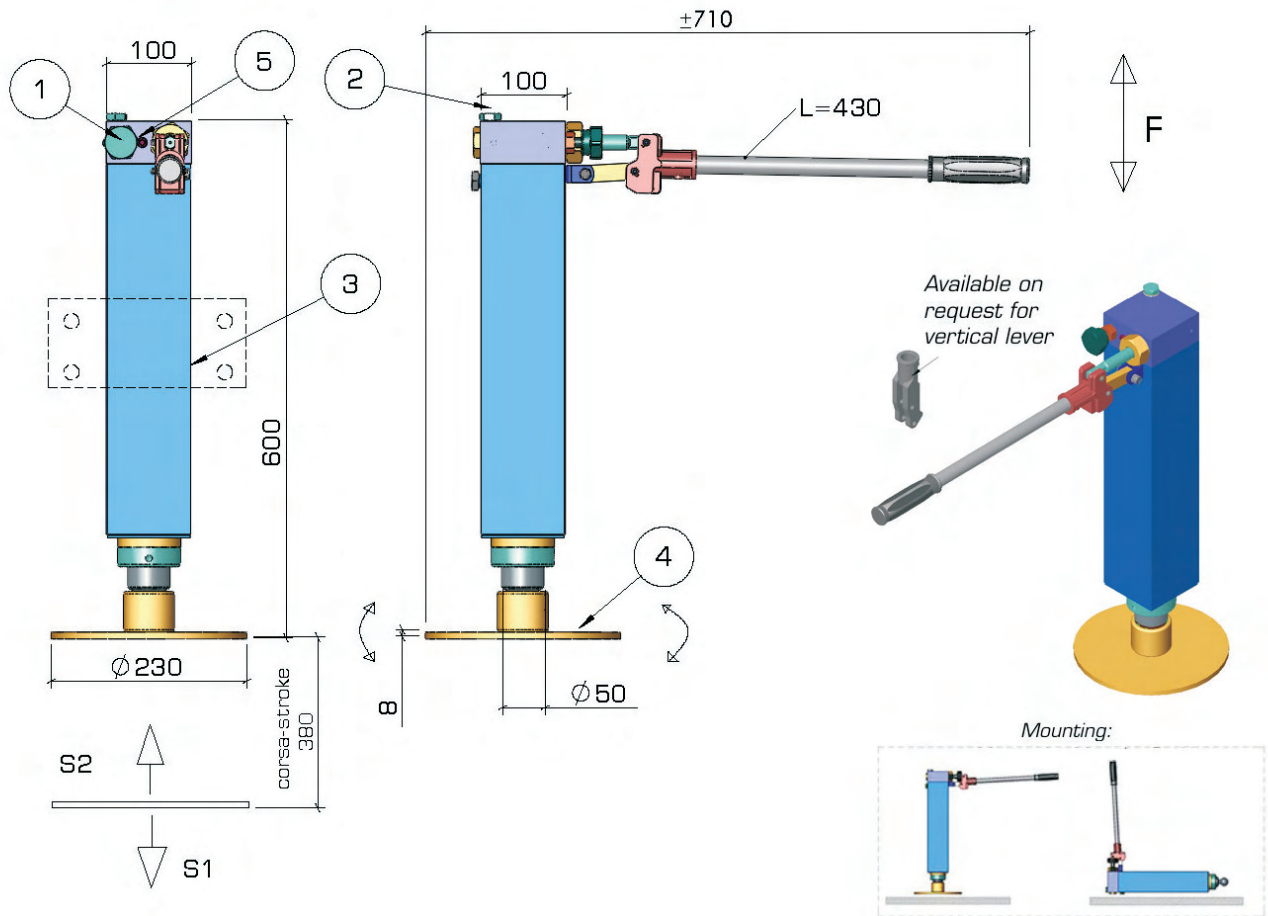
Weight ~22Kg
 Delivery x cycle ~9cc
 Cylinder Stroke 650mm
 Cylinder force S ~4500Kg.
 Rod-stroke per pumping action: ~6mm

- 1 Action Lever
- 2 Release handknob
- 3 Oil flow return setting
- 4 Filler plug



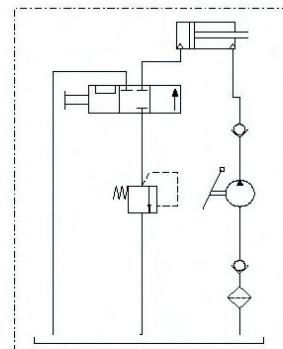
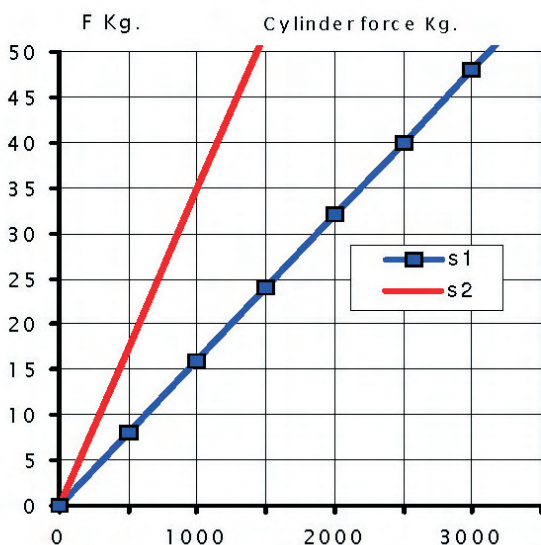
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Hydraulic Foot Pump type GLDE 25-ICN Double acting function pump with built-in double acting cylinder



Weight (with oil) Kg. ~28,5
 Outgoing force (s1) Kg 3.000
 Return force (s2) Kg 1.000
 Rod-stroke per pumping action mm 7,8

- 1 Oil Flow Diverter Hanknob
- 2 Filler Plug
- 3 Flange For Support (To Be Provided By The Customer)
- 4 Adjustable flange for support
- 5 Max. pressure valve



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Air-Hydraulic Pump type GLOP

DESCRIPTION AND TECHNICAL DATA OF THE AIR-HYDRAULIC PUMPS.

The air-hydraulic pumps GLOP are suitable to reach high pressures without any manual force. Applications are in various fields: pressing, cutting, tightening, bolting, hydraulic testing etc. The function with pedal, allows the operator to have both the hands free during the operations, offering like this remarkable saving of time and perfect execution of all operations. The pumps do not require any special maintenance; they are equipped with specially treated steel poppet style valves with a filter on each valve. In order to avoid any misfunction the hydraulic oil, should be free of contamination.

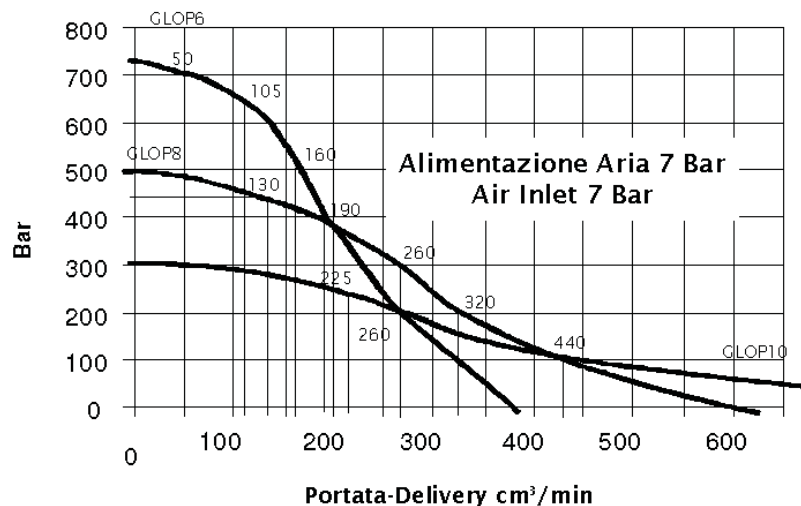
The pumps GLOP 625-725-825 have a double co-axial piston system which allows a high oil-flow up to 30 Bar and then automatically switches over to low oil-flow to reach very high pressures. This results in great saving of time in many applications on hydraulic cylinders. They are equipped with a relief valve which is adjustable from outside. When reaching the required pressure, they remain under pressure also for long periods, without any damage. Installation can be in system with air pressure of 3 to 10 Bar; it is suggested to put a lubrication filter for the air before connecting the pump, suitable for 400 to 450 NL/min.

The models GLOP 6-8-10 have one single pumping piston.

Due to the relatively low pumping capacity, these pumps are suitable for cylinders of small dimensions.

They are equipped with a relief valve, same as GLOP 625/725/825.

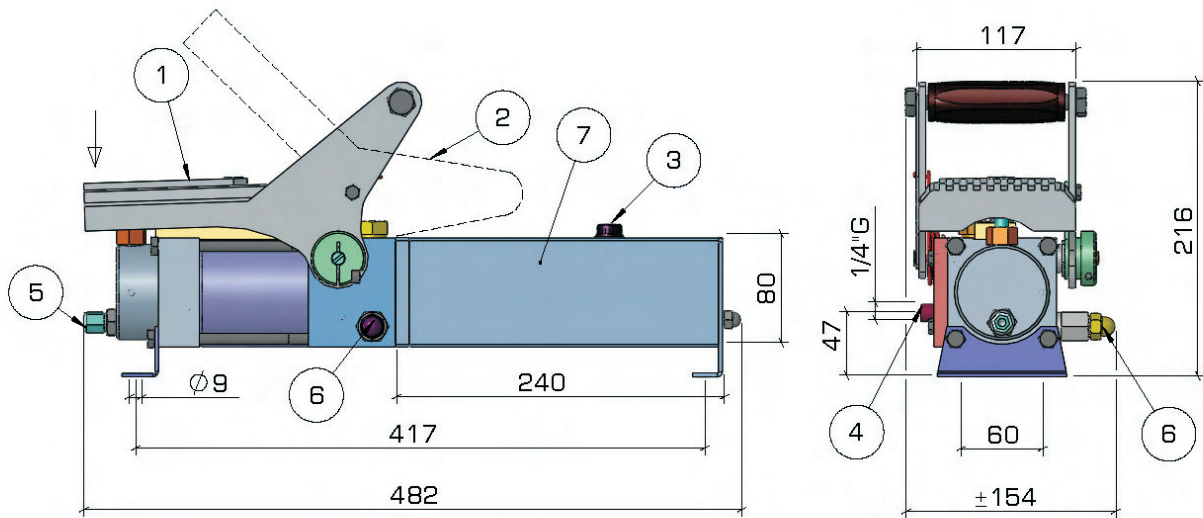
GLOP 6-8-10-Pressure/Delivery diagram



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Pump type GLOP 6-8-10

Single Speed Air-Hydraulic pump

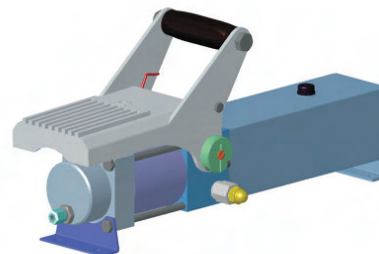
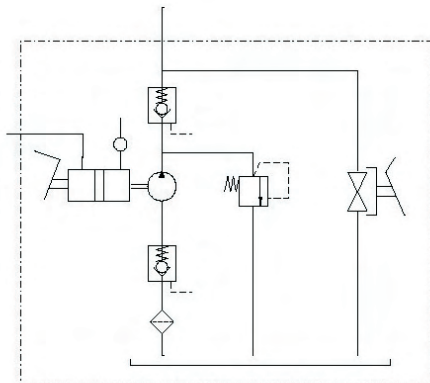
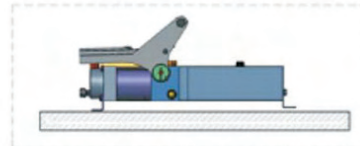


TYPE	DELIVERY CC/min	PRESSURE BAR	AIR CONSUMPTION L/min
GLOP 6	370	700	50
GLOP 8	600	500	46
GLOP 10	900	300	43

Weight (with oil) Kg. ~9

- 1 Pump Operation
- 2 Oil Discharge
- 3 Filler Plug
- 4 Pressure Port
- 5 Air Inlet
- 6 Max. Pressure Setting
- 7 Tank L. 1,3

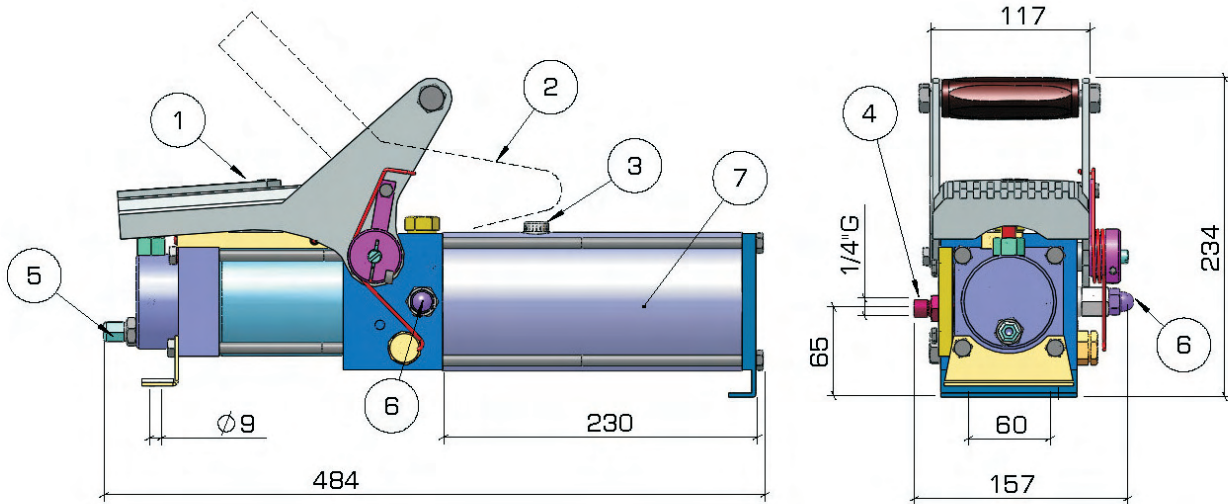
Mounting:



Dimensions and characteristics not binding. Modifications reserved without prior notice.

Pump type GLOP 625-725-825

Twin Speed Air-Hydraulic pump

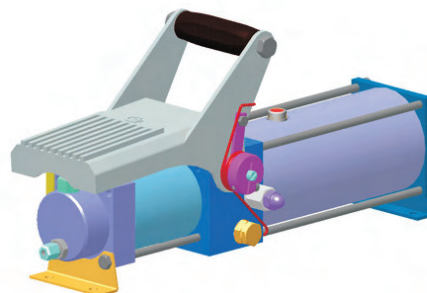
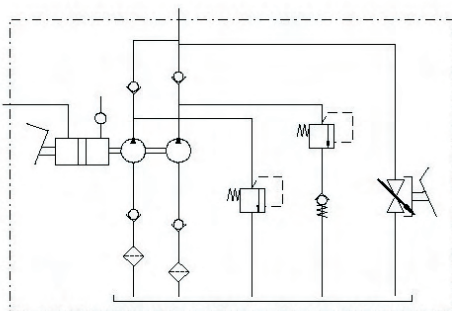
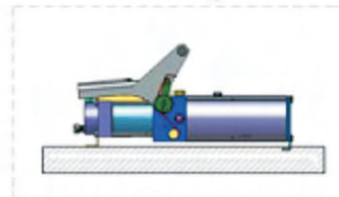


TYPE	PRESSURE PORT CC/min				Pressure	Air Consumption L/min
	0 Bar oil	10 Bar oil	20 Bar oil	30 Bar oil		
GLOP 625	6000	5000	4000	3000	750 Bar	43
GLOP 725	6000	5000	4000	3000	700 Bar	43
GLOP 825	6000	5000	4000	3000	600 Bar	43

Weight (with oil) Kg. – 14,3

- 1 Pump Operation
- 2 Oil Discharge
- 3 Filler Plug
- 4 Pressure Port
- 5 Air Inlet
- 6 Max. Pressure Setting
- 7 Tank L. 1,2

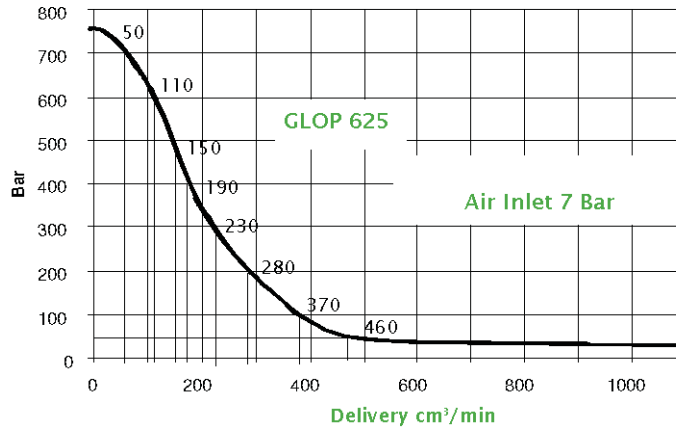
Mounting:



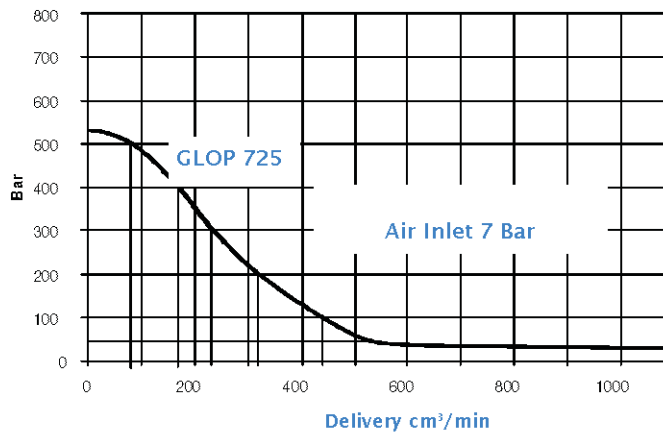
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Pump type GLOP 625-725-825
Twin Speed Air-Hydraulic pump

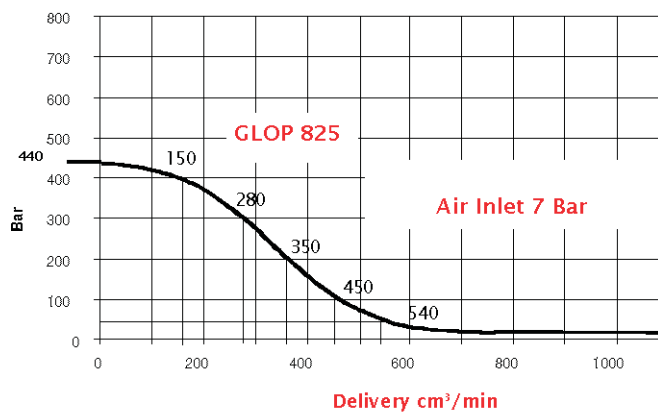
GLOP 625-Pressure/Delivery diagram



GLOP 725-Pressure/Delivery diagram

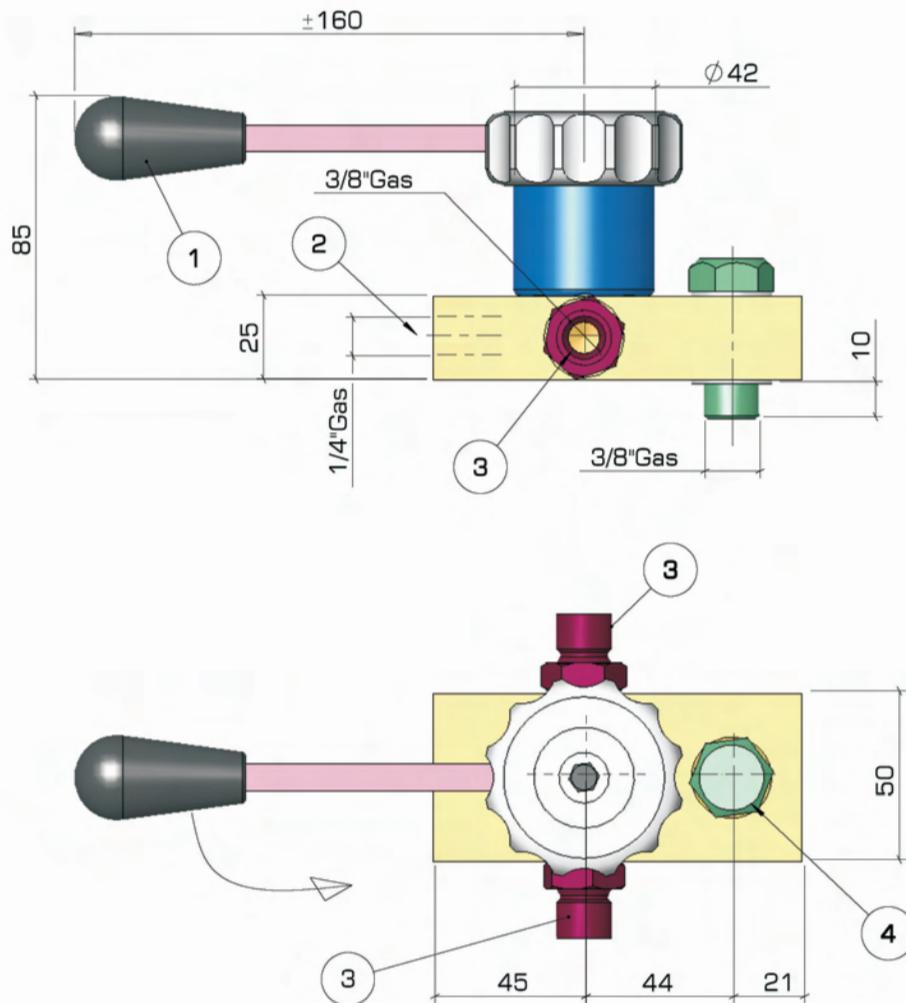


GLOP 825-Pressure/Delivery diagram



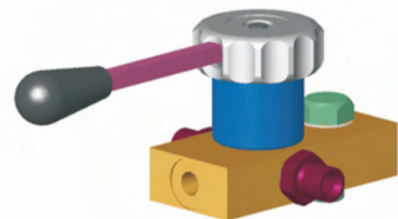
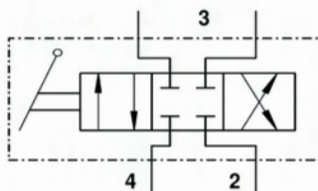
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Accessories Four way diverter valve type GL4VN



Weight Kg. ~1,7

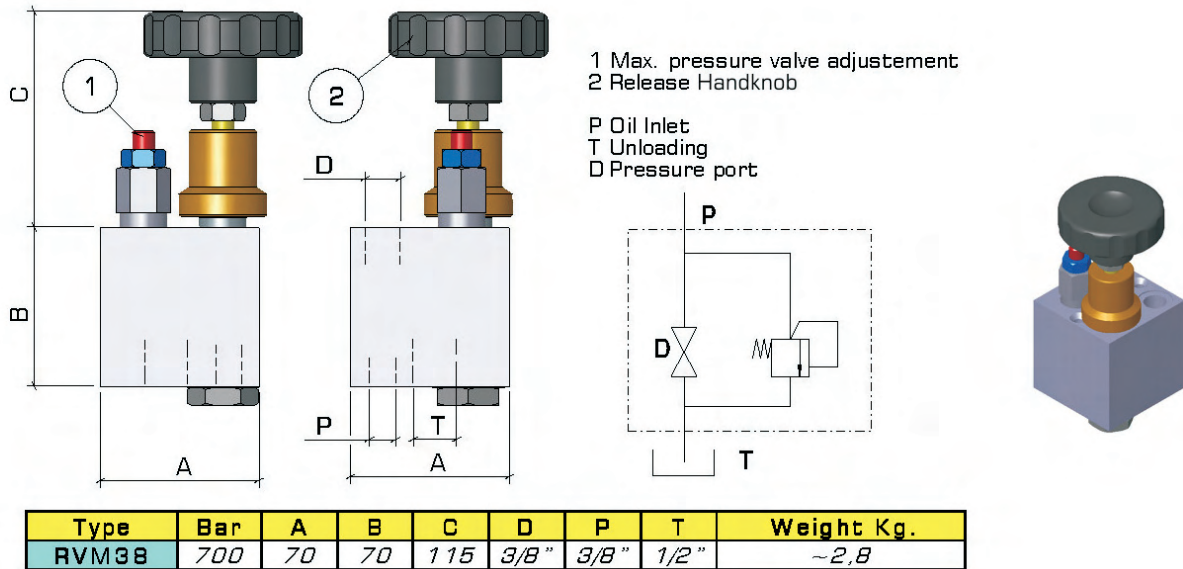
- 1 Flow Diverter Lever
- 2 Oil Discharge
- 3 Pressure Port
- 4 Oil Inlet



4-Way-diverter valve for the control of double acting cylinders;
with modifications also available for nearly all other pump models.

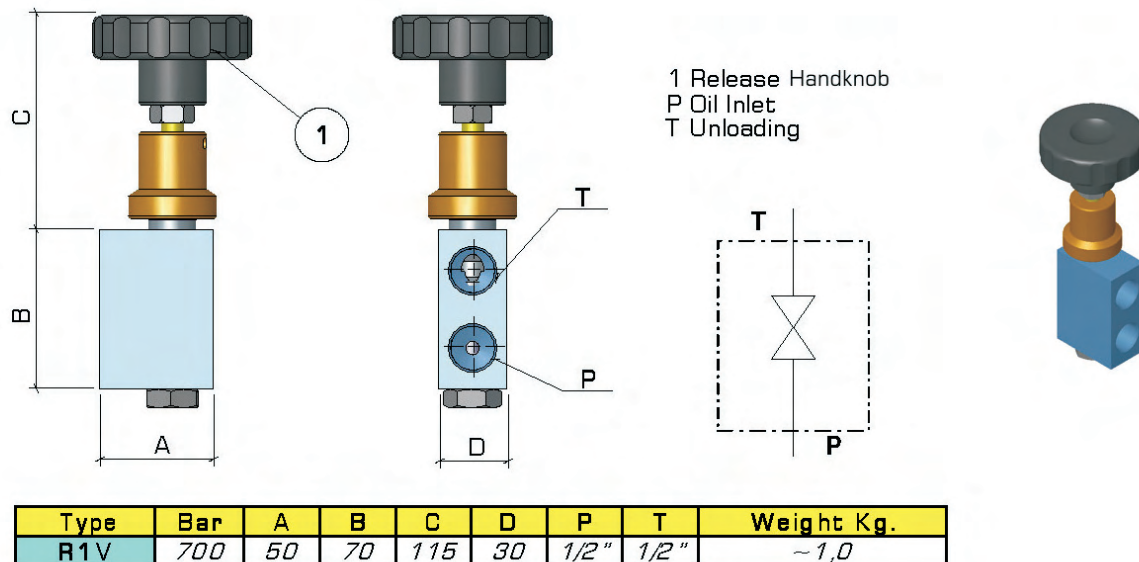
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Accessories Relief+Throttle Valve type RVM



APPLICATIONS: Thanks to the reduced dimensions, this valve is specially suitable for installation on power-packs.
FEATURES: Made in steel; easy installation; machining on most advanced facilities; easy maintenance. Combination of ball valve series "R1V" and relief valve series "VMP" maintaining the same characteristics of those.

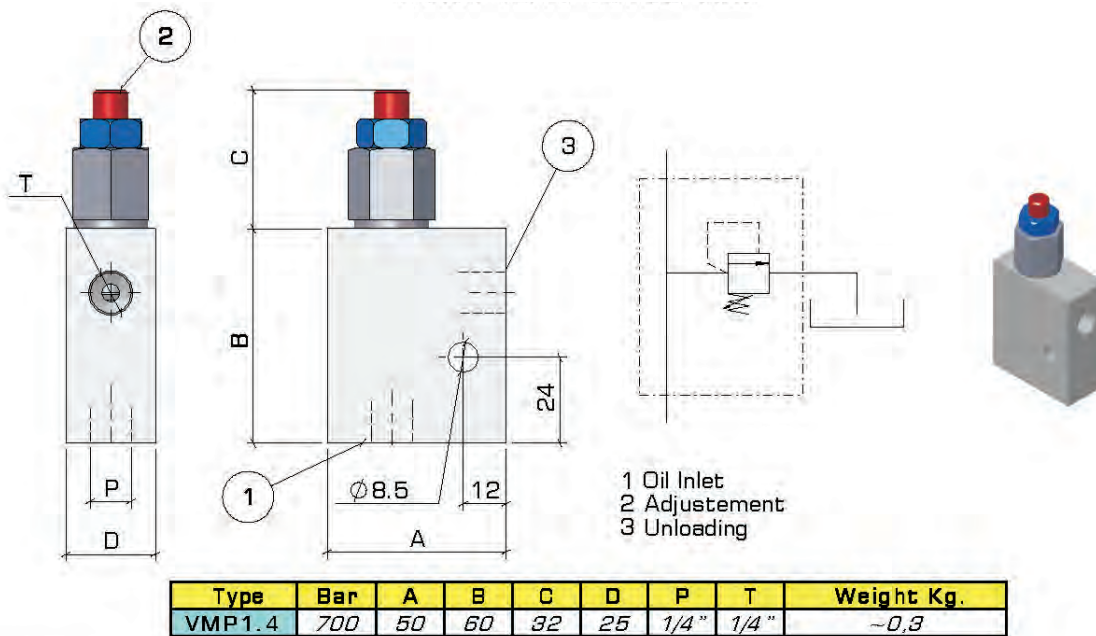
Needle Valve type R1V



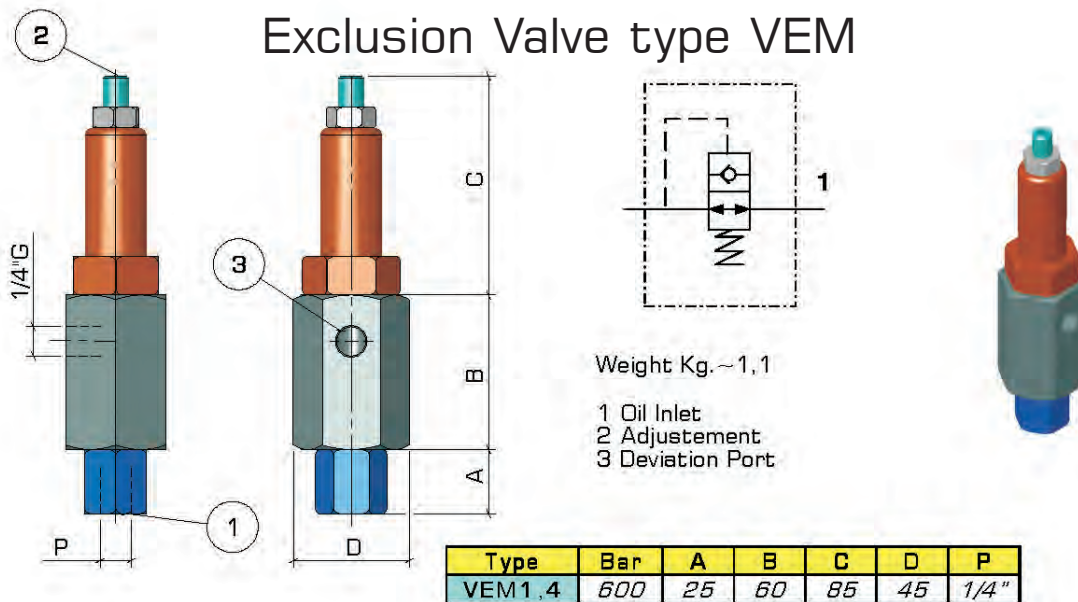
APPLICATIONS: in hydraulic circuit with necessity of rapid pressure unloading by connecting the pressure line to the tank during passages from one operation to another, or to shut down or feed in rapidly oil into the circuit.
FEATURES: Made in steel by using most advanced manufacturing facilities; easy to maintenance; corrosion proof; perfectly closing without any drain at any pressure.

Dimensions and characteristics not binding. Modifications reserved without prior notice.

Accessories Pressure Relief Valve type VMP



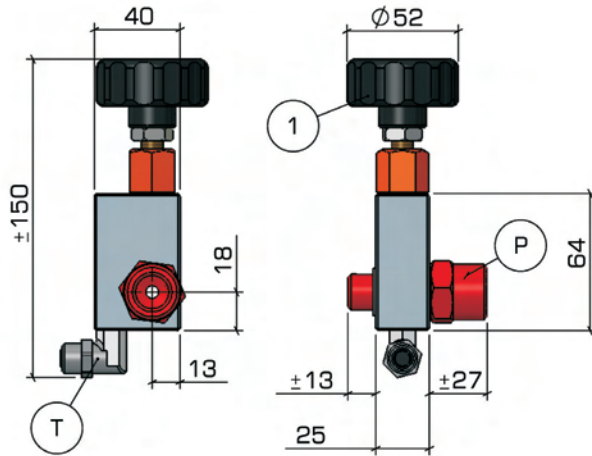
APPLICATIONS: The VMP valves avoid that peak-pressures can damage components of the hydraulic circuit (pumps, motors, gauges, etc.).
 FEATURES: Made in aluminium by using most advanced manufacturing facilities; easy maintenance; corrosion proof; adjustable for pressures between 5 and 700 Bar by acting on the setting spring.



APPLICATIONS: used in circuits which need the exclusion by means of interception of the oil-flow to specific components.
 FEATURES: made in steel by using most advanced manufacturing facilities; easy maintenance; no pressure drop. Setting of pressure is obtained by acting on the setting spring which, by means of a piston, commands a ball which excludes the oil-flow. In order to assure good function, it is essential that the oil is without contamination.

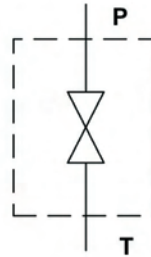
Dimensions and characteristics not binding. Modifications reserved without prior notice.

Accessories Needle Valve Type D



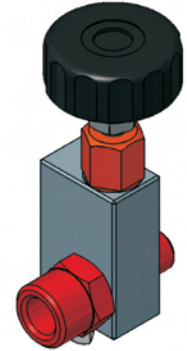
Weight Kg. ~0,5

1 Release Handknob
T Tank Port for pipe $\varnothing 8$
P Oil Inlet (1/2" or 3/8")



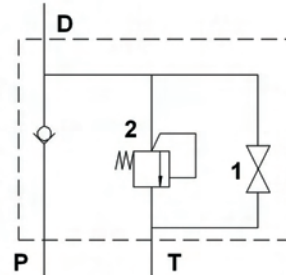
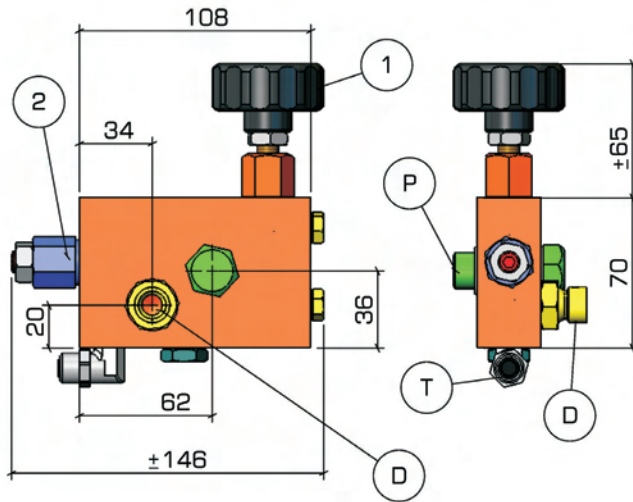
Mounting:

Any Position.



APPLICATIONS: in hydraulic circuit with necessity of rapid pressure unloading by connecting the pressure line to the tank. Available on pumps type GL.
FEATURES: Made in aluminium by using most advanced manufacturing facilities; easy to maintenance; corrosion proof.

Relief+Needle Valve type DV

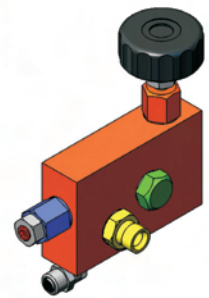


Weight Kg. ~1,1

1 Release Handknob
2 Max. Pressure Valve
D Pressure Port 3/8" g
P Inlet (1/2" or 3/8")
T Unloading port for pipe $\varnothing 8$

Mounting:

Any Position.



APPLICATIONS: in hydraulic circuit with necessity of rapid pressure unloading by connecting the pressure line to the tank and max. pressure setting. Available on pumps type GL.
FEATURES: Made in aluminium by using most advanced manufacturing facilities; easy to maintenance; corrosion proof.

Dimensions and characteristics not binding. Modifications reserved without prior notice.

As HANSA-TMP has a very extensive range of products and some products have a variety of applications, the information supplied may often only apply to specific situations. If the catalogue does not supply all the information required, please contact HANSA-TMP.

In order to provide a comprehensive reply to queries we may require specific data regarding the proposed application.

Whilst every reasonable endeavour has been made to ensure accuracy this publication cannot be considered to represent part of any contract, whether expressed or implied.

HANSA-TMP reserves the right to amend specifications at their discretion.



HYDRAULIC COMPONENTS
HYDROSTATIC TRANSMISSIONS
GEARBOXES - ACCESSORIES

Via M.L. King, 6 - **41100 MODENA (ITALY)**
Tel: +39 059 415 711
Fax: +39 059 415 729 / 059 415 730
INTERNET: <http://www.hansatmp.it>
E-MAIL: hansatmp@hansatmp.it