



Hydraulic Power Unit Product Manual



**POWER UNIT INDUSTRY CASE
& CENTER MANIFOLD
& ACCESSORIES & HAND PUMP**

CATALOGUE

Power unit industry case 01

1/Pallet trucks 2/Stacker trucks 3/Flying wing car
4/Medical stretchers 5/Dock leveller 6/RVs
7/Car lifts 8/Home elevators 9/Aerial work trucks
10/Dump trailers 11/Lifting platform

Centermanifold case 13

1/JC00-01 2/JC10-02 3/JC20-02

Power unit accessories case 17

1/Cartridge valves 2/Gear pump
3/Wireless remote control 4/Oil tank
5/Hand pump oil tank

Hand pump case 30

1/HP50/70 2/HP2-08 3/HP-08 4/HP-10
5/HP-20 6/PM 7/PMT 8/PMS

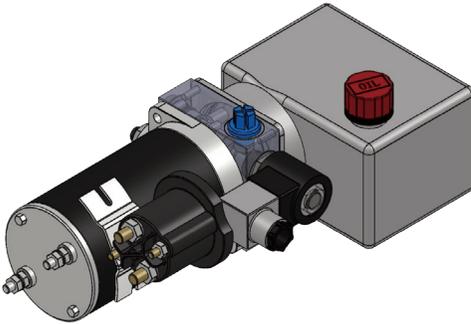
Professionally customized efficient hydraulic system solutions for clients

Pallet trucks

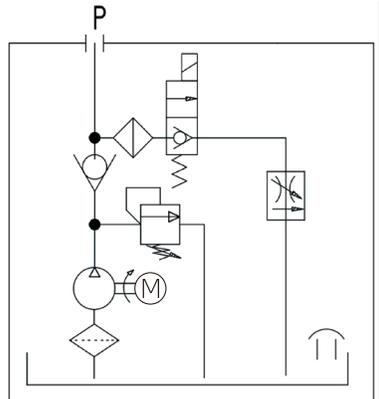
● Industry applications



● Product legend



● Symbol



● Recommended

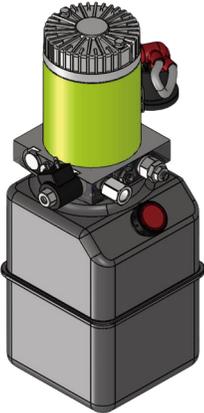
Motor	Pump	Oil tank	Work pressure	Oil port
24V 0.8Kw	0.62/0.88cc	1L	180bar	G1/4" M14*1.5

Stacker trucks

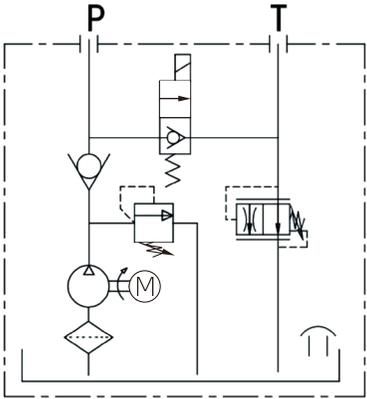
● Industry applications



● Product legend



● Symbol



● Recommended

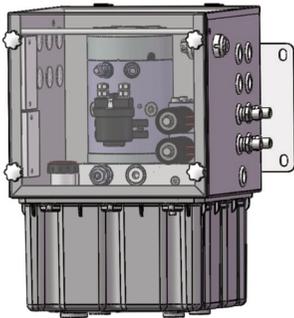
Motor	Pump	Oil tank	Work pressure	Oil port
24V 2.2Kw	2.1/2.5/3.2cc	7L	200bar	G3/8"

Flying wing car

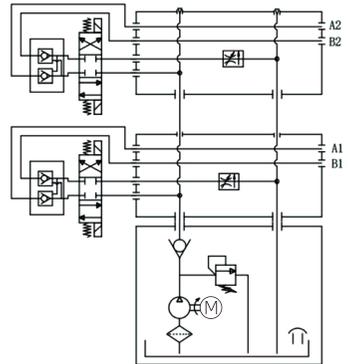
● Industry applications



● Product legend



● Symbol



● Recommended

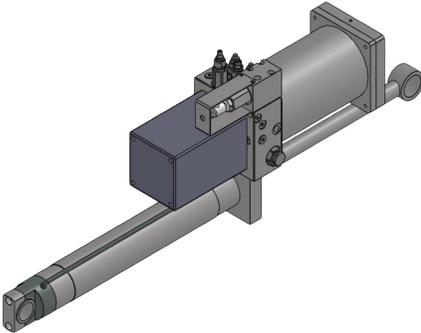
Motor	Pump	Oil tank	Work pressure	Oil port
12V 2.0Kw	2.5cc	8L	180bar	G1/4"
24V 2.2Kw	2.5cc	8L	180bar	G1/4"

Medical stretchers

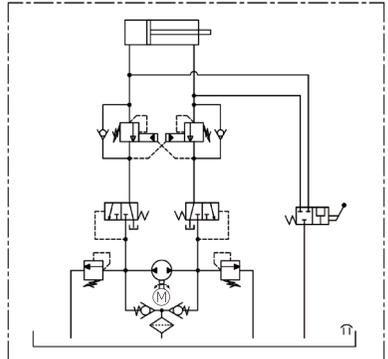
● Industry applications



● Product legend



● Symbol



● Recommended

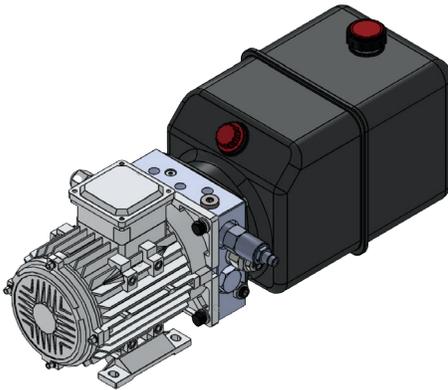
Motor	Pump	Oil tank	Work pressure
24V 500W	0.5cc	1.5L	160bar

Dock leveller

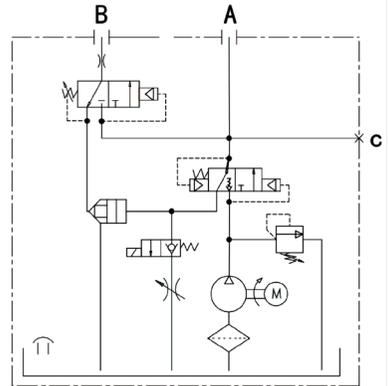
● Industry applications



● Product legend



● Symbol



● Recommended

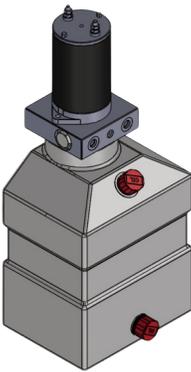
Motor	Pump	Oil tank	Work pressure	Oil port
380V 1.1Kw	1.6cc	6L	150bar	G1/4" M14*1.5

Bidirectional motor RVs

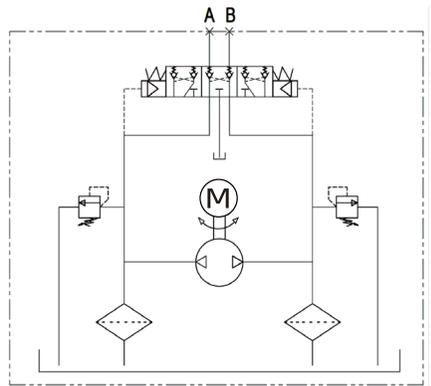
● Industry applications



● Product legend



● Symbol



● Recommended

Motor	Pump	Oil tank	Work pressure	Oil port
12V 0.8Kw	0.8cc	7L	200bar	7/16"-20UNF

Car lifts

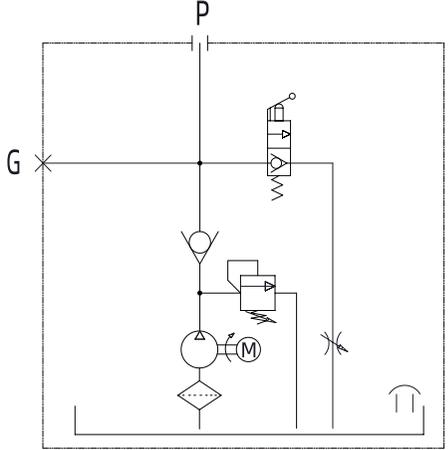
● Industry applications



● Product legend



● Symbol



● Recommended

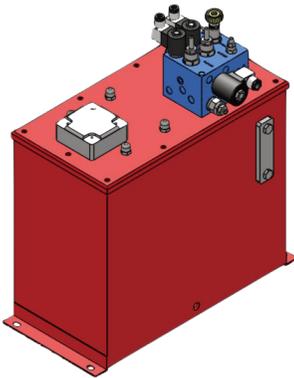
Motor	Pump	Oil tank	Work pressure	Oil port
380V 2.2Kw	3.2cc	10/12L	180bar	G3/8"

Home elevators

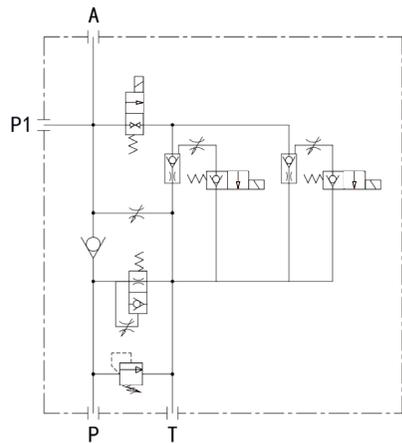
● Industry applications



● Product legend



● Symbol



● Recommended

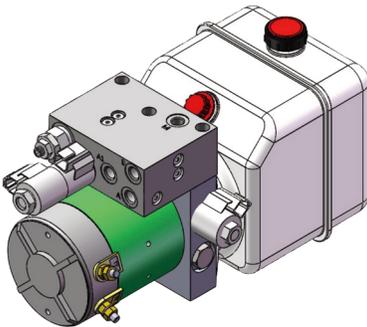
Motor	Pump	Oil tank	Work pressure	Oil port
220V 2.2Kw	12cc	35L	120bar	M22*1.5

Aerial work trucks *Double lift manifold*

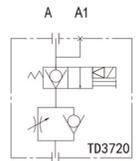
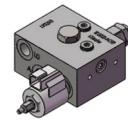
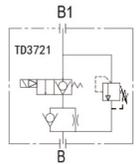
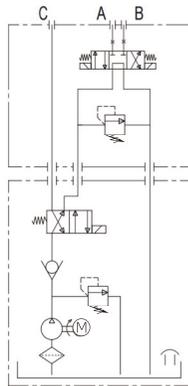
● Industry applications



● Product legend



● Symbol



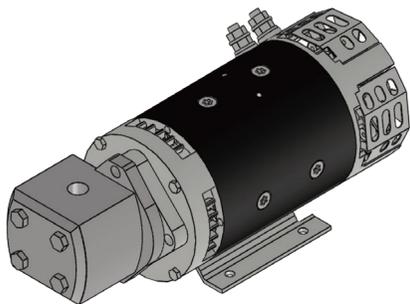
● Recommended

Motor	Pump	Oil tank	Work pressure	Oil port
24V 1.2Kw	1.0/1.2cc	4L	180bar	G1/4"

● **Industry applications**



● **Product legend**



● **Recommended**

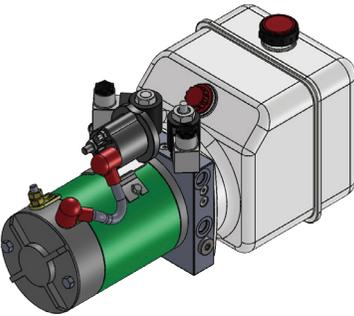
Motor	Pump	Oil port
24V 4.5Kw	4.0cc	G1/2"

Dump trailers

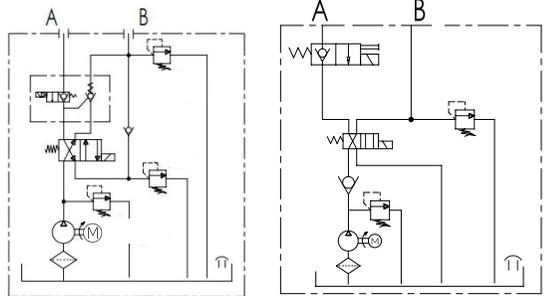
● Industry applications



● Product legend



● Symbol



● Recommended

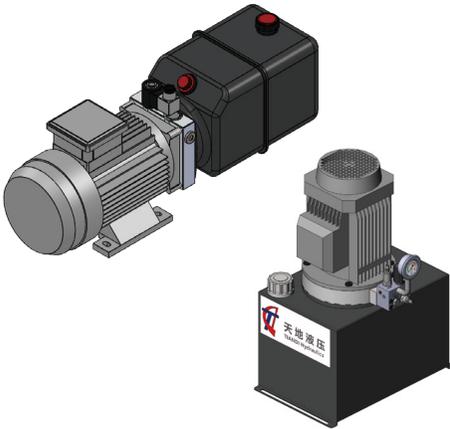
Motor	Pump	Oil tank	Work pressure	Oil port
12V 1.6Kw	2.1cc	4.0L	220bar	9/16-18UNF

Lifting platform

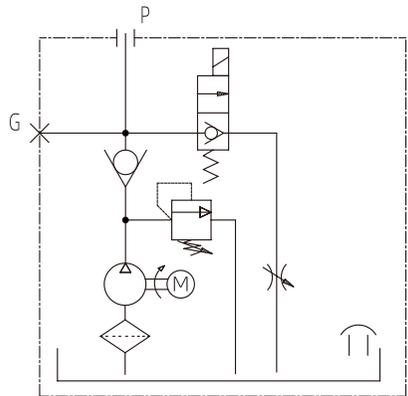
● Industry applications



● Product legend



● Symbol



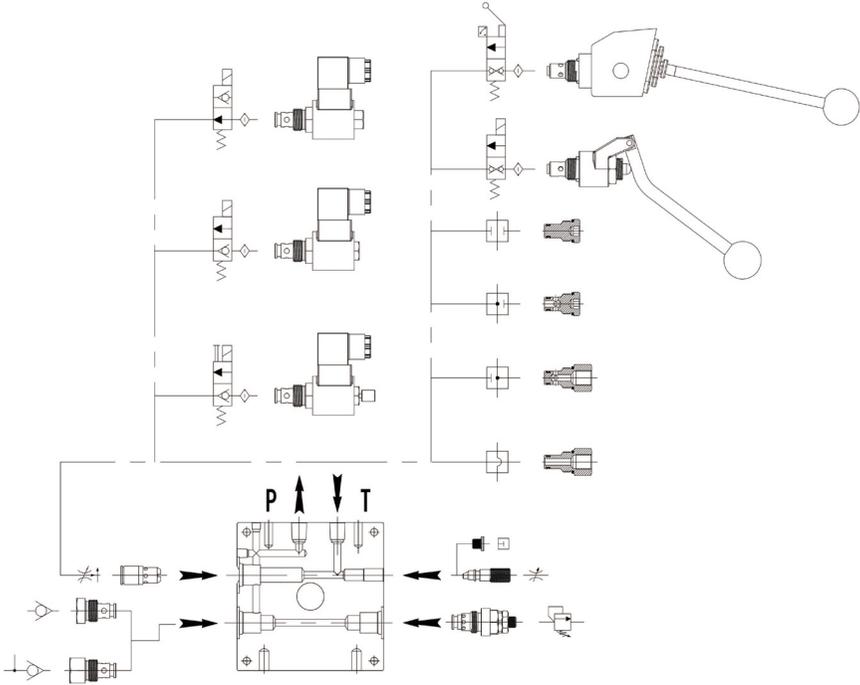
● Recommended

Motor	Pump	Oil tank	Work pressure	Oil port
380V 1.1-3.0Kw	0.75-7.8Cc	Max 50L	250bar	M22*1.5
380V 4.5-7.5Kw	12.0-18.0Cc	Max 300L	150bar	M22*1.5

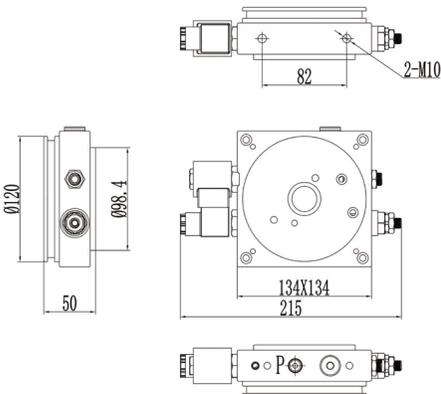
Centermanifold

JC00-01

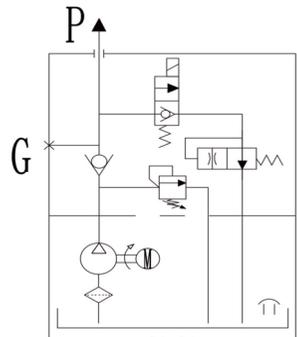
● **Optional cartridge valve**



● **Dimensions**



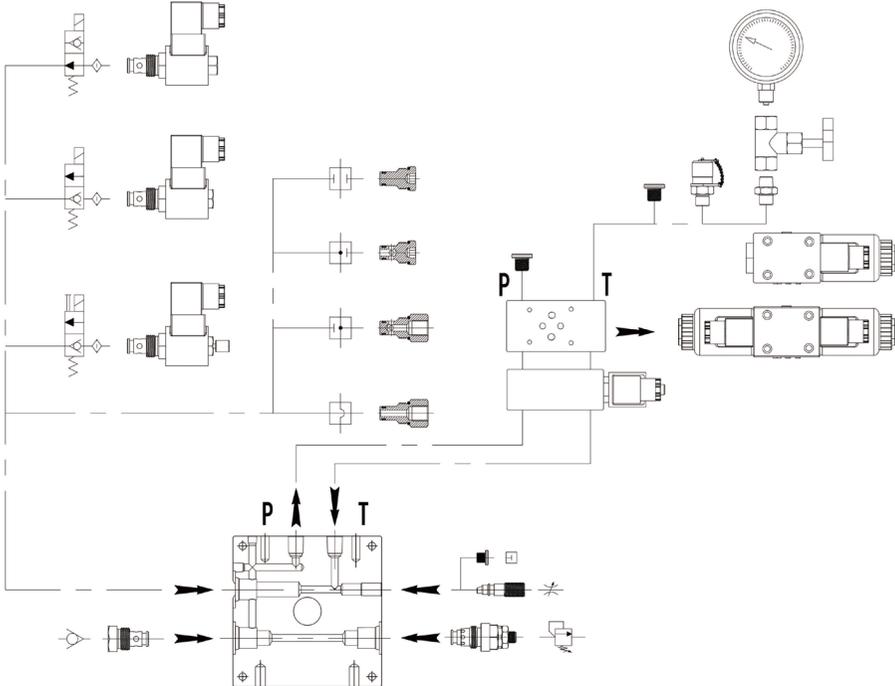
● **Symbol**



Centermanifold

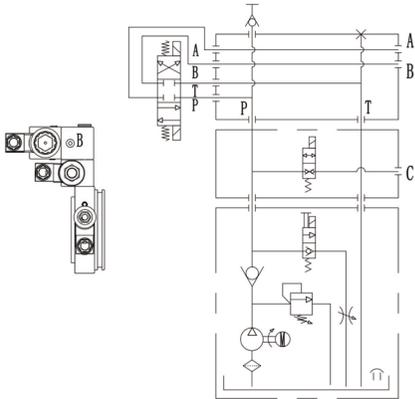
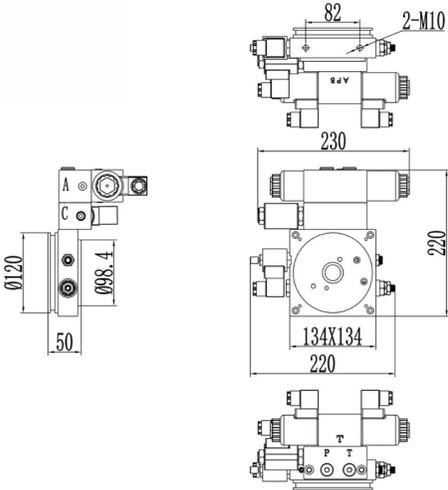
● **Optional cartridge valve**

JC00-0 1



● **Dimensions**

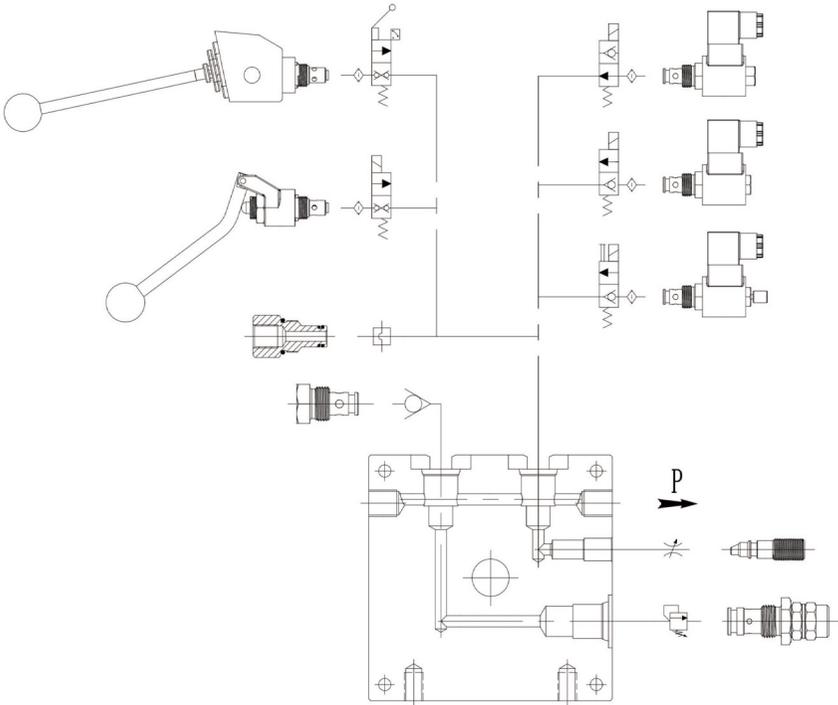
● **Symbol**



Centermanifold

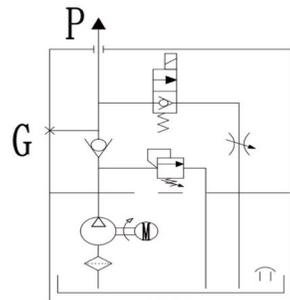
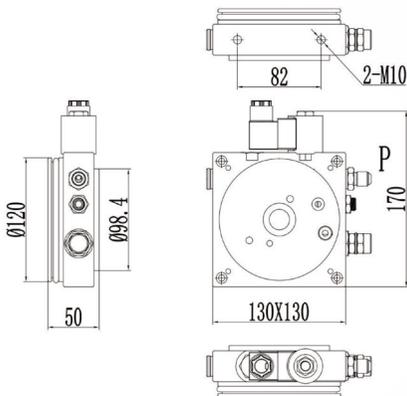
Optional cartridge valve

JC10-02



Dimensions

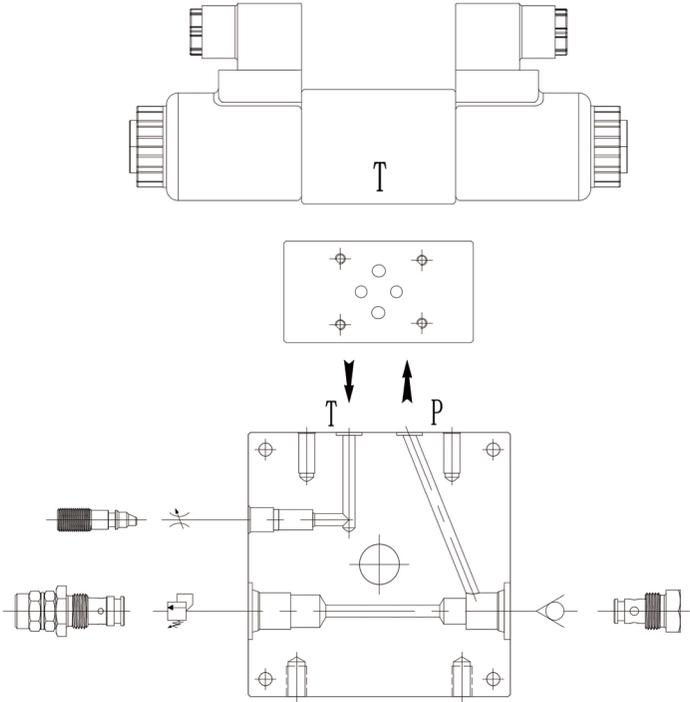
Symbol



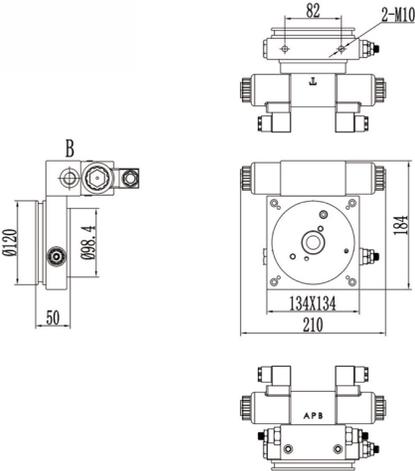
Centermanifold

JC20-02

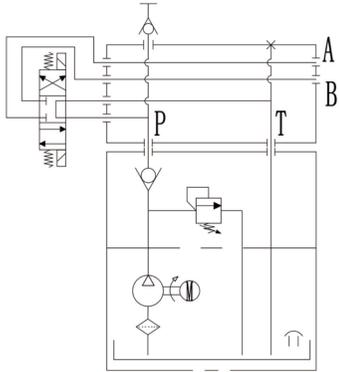
● **Optional cartridge valve**



● **Dimensions**



● **Symbol**



Cartridge valves

● Solenoid valves

Voltage	DC12V	DC24V	DC48V	AC110V	AC220V	AC24V
Technical parameters						
Cavity	08	Working pressure	25MPa	Rated Flow	40L/min	
	10		25MPa		68L/min	
Diagram						

● Technical date

Code	Description	Diagram	Size
SV-08-2NCP	Plug-in solenoid valve NC		
SV-08-2NCP-M			

Cartridge valves

● Technical date

Code	Description	Diagram	Size
SV2-10-2NCP	Plug-in solenoid valve NC		
SV-08-2NOP	Plug-in solenoid valve NO		
SV-08-2NCSP-L	Plug-in solenoid valve NCS		
CV2-08	Cheak Valves		
ICV-G3/8			
NV-08	Flow Control Valves		

Cartridge valves

● Technical data

Code	Description	Diagram	Size
FC2-08	One-way throttle valves		
RV-08	Pressure Valves		
RV-SAE8/08S			
CV-08-G	Oil plug		
CV-08-P			
CV-08-L			
CV-08-H			

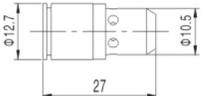
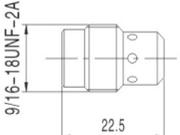
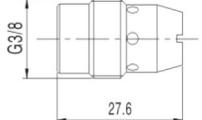
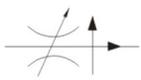
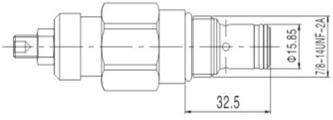
Cartridge valves

● Technical date

Code	Description	Diagram	Size
MRV-08	Manual unloading valve		
MRV2-08	Manual unloading valve With Microswitch		
MRV3-08	Manual unloading valve With Microswitch		

Cartridge valves

● Technical date

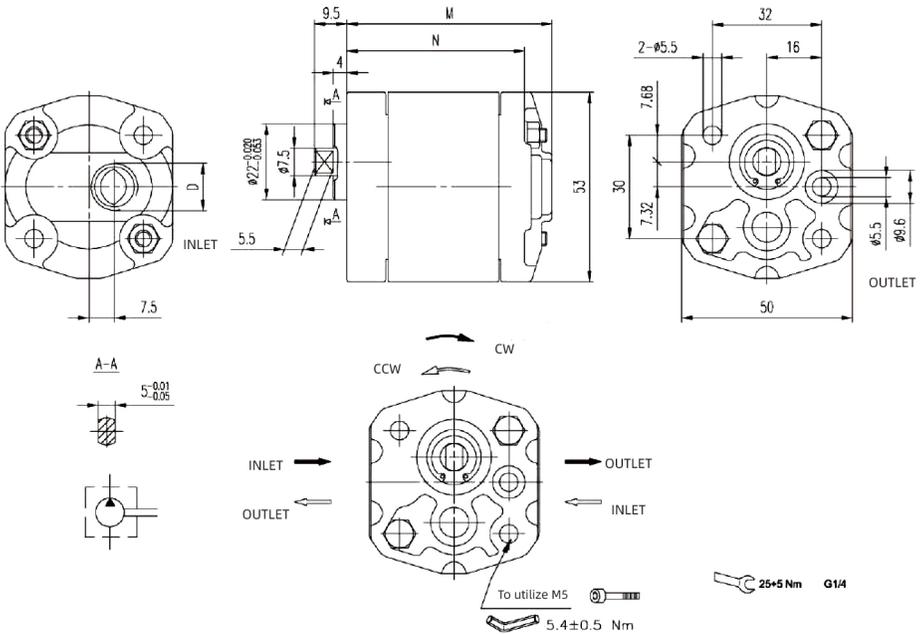
Code	Description	Diagram	Size
IFC-04	Pressure-compensated Valve		
	Code	(L/min)	
	IFC-04-02	2	
	IFC-04-03	3	
	IFC-04-04	4	
	IFC-04-05	5	
	IFC-04-06	6	
IFC-04-08	8		
IFC-6T	Pressure-compensated Valve		
	Code	(L/min)	
	IFC-6T-03	3	
	IFC-6T-04	4	
	IFC-6T-05	5	
	IFC-6T-06	6	
	IFC-6T-08	8	
IFC-6T-10	10		
IFC-6T-12	12		
IFC-G3/8	Pressure-compensated Valve		
	Code	(L/min)	
	IFC-6T-03	3	
	IFC-6T-04	6	
	IFC-6T-05	8	
	IFC-6T-06	10	
	IFC-6T-08	12	
IFC-6T-10	16		
RFA-10	Adjustable Pressure-compensated Valves		

Gear pump

Legend & Selection

Standard Dimensions

TDDL-05-P-0.5-D/S-QH-



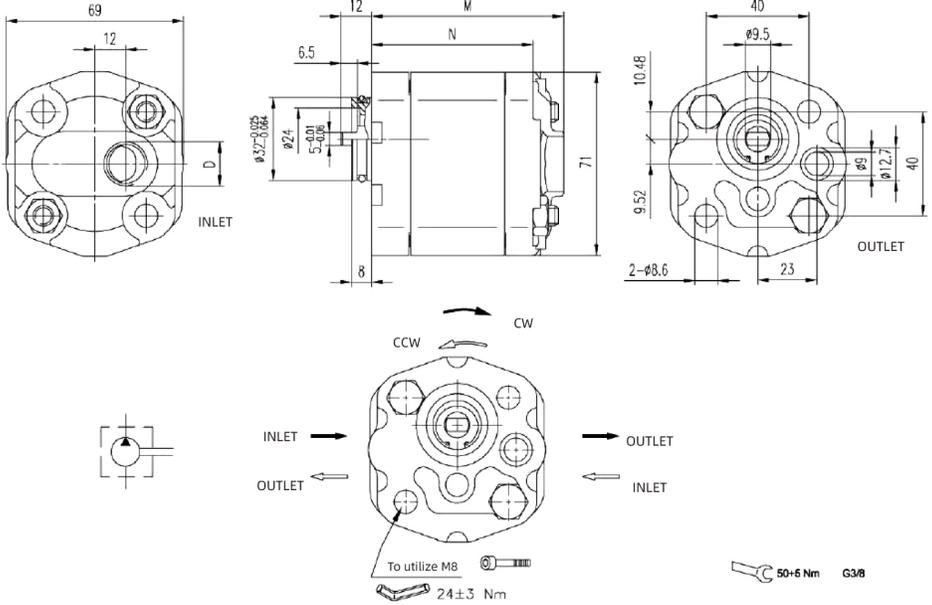
Displacement (cm ³ /rev)	Max pressure			Max speed (r/min)	Min speed (r/mm)	Weight kg	Dimensions		INLET D
	P1(bar)	P2(bar)	P3(bar)				M(mm)	N(mm)	
0.19	200	230	250	7000	1000	0.36	60	51	G1/4
0.26	200	230	250	7000	1000	0.364	60.5	51.5	G1/4
0.38	200	230	250	7000	1000	0.372	61.5	52.5	G1/4
0.50	200	230	250	7000	1000	0.38	62.5	53.5	G1/4
0.65	200	230	250	7000	1000	0.40	63.5	54.5	G1/4
0.75	200	230	250	7000	1000	0.408	64.5	55.5	G1/4
0.88	200	230	250	7000	1000	0.416	65.5	56.5	G1/4
1.00	200	230	250	6000	850	0.42	66.5	57.5	G1/4
1.25	200	230	250	5000	700	0.436	68.5	59.5	G1/4
1.50	200	230	250	4000	600	0.452	70.5	61.5	G1/4
1.75	180	210	230	4000	600	0.468	72.5	63.5	G1/4
2.00	160	190	210	3000	500	0.484	74.5	65.5	G1/4

Gear pump

Legend & Selection

Standard Dimensions

TDDL-05-P-1.0-D/S-QH-



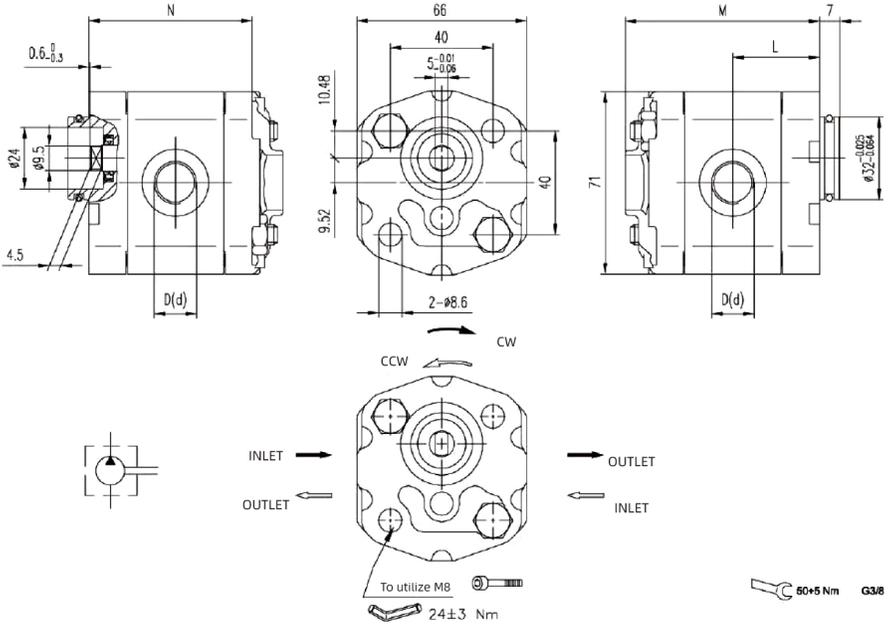
Displacement (cm ³ /rev)	Max pressure			Max speed (r/min)	Min speed (r/min)	Weight kg	Dimensions		INLET D
	P1(bar)	P2(bar)	P3(bar)				M(mm)	N(mm)	
0.8	230	250	270	6000	1000	0.76	73.5	61.5	G3/8
1.1	230	250	270	6000	1000	0.77	74	62	G3/8
1.3	230	250	270	6000	1000	0.78	75	63	G3/8
1.6	230	250	270	6000	1000	0.79	76	64	G3/8
1.8	230	250	270	6000	1000	0.81	77	65	G3/8
2.1	230	250	270	6000	1000	0.82	78	66	G3/8
2.7	230	250	270	6000	800	0.85	80	68	G3/8
3.2	210	230	250	5000	800	0.87	82	70	G3/8
3.7	210	230	250	4500	800	0.90	84	72	G3/8
4.2	210	230	250	4000	800	0.93	86	74	G3/8
4.8	190	210	230	3500	600	0.95	88	76	G3/8
5.8	190	210	230	3000	600	1.02	92	80	G3/8
7.0	160	180	200	2500	600	1.07	96	84	G3/8
8.0	160	180	200	2000	600	1.13	100	88	G3/8

Gear pump

Legend & Selection

Standard Dimensions

TDDL-05-P-1.0-D/S-CC-



Displacement (cm ³ /rev)	Max pressure			Max speed (r/min)	Min speed (r/mm)	Weight kg	Dimensions			INLET D	OUTLET d
	P1(bar)	P2(bar)	P3(bar)				M(mm)	N(mm)	L(mm)		
0.8	230	250	270	6000	1000	0.76	73.5	61.5	32.8	G3/8	G3/8
1.1	230	250	270	6000	1000	0.77	74	62	33	G3/8	G3/8
1.3	230	250	270	6000	1000	0.78	75	63	33.5	G3/8	G3/8
1.6	230	250	270	6000	1000	0.79	76	64	34	G3/8	G3/8
1.8	230	250	270	6000	1000	0.81	77	65	34.5	G3/8	G3/8
2.1	230	250	270	6000	1000	0.82	78	66	35	G3/8	G3/8
2.7	230	250	270	6000	800	0.85	80	68	36	G3/8	G3/8
3.2	210	230	250	5000	800	0.87	82	70	37	G3/8	G3/8
3.7	210	230	250	4500	800	0.90	84	72	38	G3/8	G3/8
4.2	210	230	250	4000	800	0.93	86	74	39	G3/8	G3/8
4.8	190	210	230	3500	600	0.95	88	76	40	G3/8	G3/8
5.8	190	210	230	3000	600	1.02	92	80	42	G3/8	G3/8
7.0	160	180	200	2500	600	1.07	96	84	44	G3/8	G3/8
8.0	160	180	200	2100	600	1.13	100	88	46	G3/8	G3/8

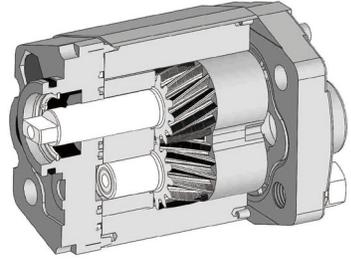
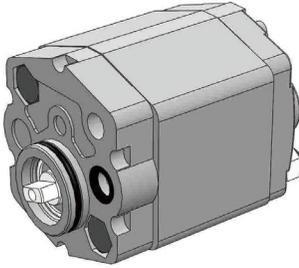
Gear pump

● Legend & Selection

Helical gear pump Dimensions

TDDL-05-X-1.0-D/S-CC-

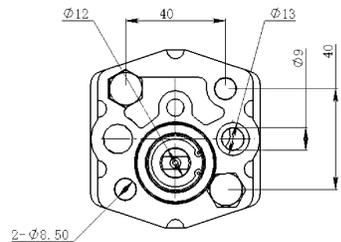
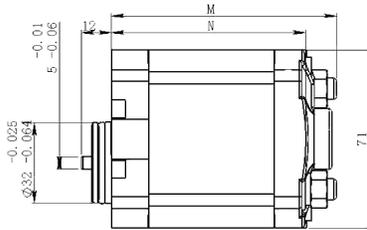
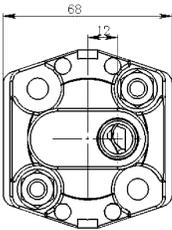
CBKFO



End cover: G3/8 thread depth 12.
To mount the pump, 2-M8 screws,
With a torque wrench setting fixed at
27±3NM.

INLET

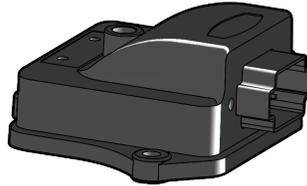
OUTLET



Displacement (cm ³ /rev)	Max pressure			Max speed (r/min)	Min speed (r/min)	Dimensions		INLET D	OUTLET d
	P1(bar)	P2(bar)	P3(bar)			M(mm)	N(mm)		
0.75	230	250	270	6000	1000	54	42	G3/8	G3/8
1.1	230	250	270	6000	1000	56	44	G3/8	G3/8
1.6	230	250	270	6000	1000	57.7	45.7	G3/8	G3/8
2.1	230	250	270	6000	1000	60	48	G3/8	G3/8
2.6	230	250	270	6000	1000	62	50	G3/8	G3/8
3.2	210	230	250	5000	800	64	52	G3/8	G3/8
3.7	210	230	250	4500	800	66	54	G3/8	G3/8
4.2	210	230	250	4000	800	68	56	G3/8	G3/8
4.8	190	210	230	3500	600	70	58	G3/8	G3/8
5.8	190	210	230	3000	600	74	62	G3/8	G3/8
6.8	160	180	200	2500	600	78	66	G3/8	G3/8
7.8	160	180	200	2100	600	82	70	G3/8	G3/8

Wireless remote control

Product legend



Remote control configuration (transmitter)

TD-AL-06

Transmitter dimensions:

109.5mm×63mm×35.5mm

With indicator light. Different indicator lights represent the different working states. According to the indicator light, we can judge the machine is in normal operation or not.

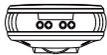


lock screw. The rubber in the middle is thicker than the side of the remote control. It plays a role of protecting the shell if the transmitter falls on the floor.



The keys are made of pure rubber. It can protect our fingers, especially for long time using.

This is an external socket. It can realize the external functions (charging, antenna)



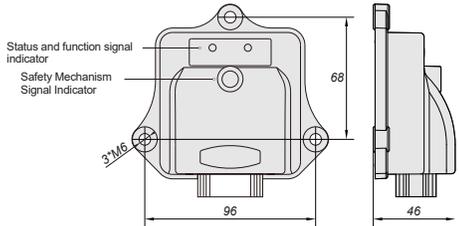
Lanyard position. The rectangular groove design can accommodate a variety of different specifications of lanyards.

Remote control configuration (receiver)

M22-SE-C05-L \ M22-SE-R05-L

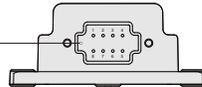
Receiver dimensions and installation dimensions:

110mm×107mm×46mm



Status and function signal indicator
Safety Mechanism
Signal Indicator

Standard waterproof needle seat



Technical date

Transmitter technical parameters

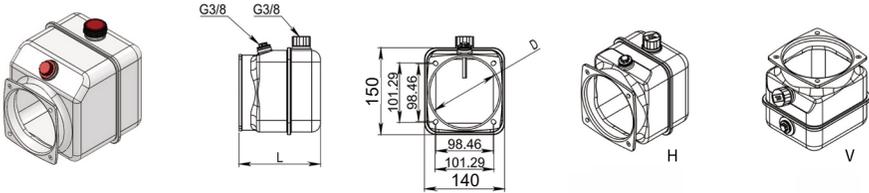
Dimensions	109.5mm×63mm×35.5mm
Shell material	High-strength engineering plastics
Ingress protection	IP65
Communication method	Instant communication (RF-E433-HP22)
Transmit frequency/Channel intervals	420 ~ 450MHz/200k
Transmit power	≤10mW
Operation Format	Push-button type
Number of buttons	≤18
Working Power	4.5V (3*AAA batteries)
working current	≤30mA
Standby current	≤0.5mA
Status display	5*LED
Antenna	Built-in

Receiver technical parameters

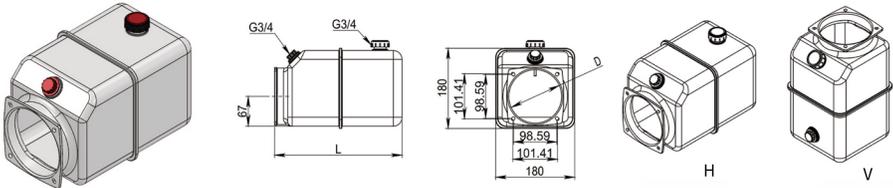
Dimensions	110mm×107mm×46mm
Shell material	High-strength engineering plastics
Ingress protection	IP65
Working Power	12~30V DC
Power rating	≤5W
Status display	Power indication, Safety signal indication, Operating action indication
Antenna	Built-in
Output mode	Switching quantity
Contact capacity	≤5A
Output interface	Standard waterproof needle seat
Standards and grades	
Safety standards	JB/T8437-2015 EN ISO 13849

Oil tank

● Legend & Selection

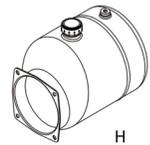
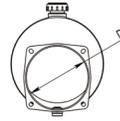
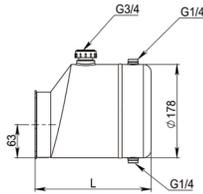


Model	D (mm)	L (mm)	Volume (L)	Description
TDDL-10-SFD-20-015-01	120/123	140	1.5	Surface Color : White Installation:Horizontal Vertical Air Breather And Plug Include
TDDL-10-SFD-20-025-01	120/123	208	2.5	

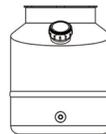
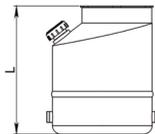


Model	D (mm)	L (mm)	Volume (L)	Description
TDDL-10-SFD-20-040-01	120/123	200	4	Surface Color : White Installation:Horizontal Vertical Air Breather And Plug Include
TDDL-10-SFD-20-050-01	120/123	290	5	
TDDL-10-SFD-20-060-01	120/123	335	6	
TDDL-10-SFD-20-070-01	120/123	365	7	
TDDL-10-SFD-20-080-01	120/123	440	8	
TDDL-10-SFD-20-100-01	120/123	530	10	
TDDL-10-SFD-20-120-01	120/123	550	12	
TDDL-10-SFD-20-160-01	120/123	700	16	
TDDL-10-SFD-20-200-01	120/123	1050	20	

● Legend & Selection



Model	D (mm)	L (mm)	Volume (L)	Description
TDDL-10-TYH-20-040-01	120	225	4	Material : Iron Black Installation:Horizontal Vertical Air Breather And Plug Include
TDDL-10-TYH-20-050-01	120	265	5	
TDDL-10-TYH-20-060-01	120	290	6	
TDDL-10-TYH-20-080-01	120	365	8	
TDDL-10-TYH-20-100-01	120	435	10	
TDDL-10-TYH-20-120-01	120	545	12	

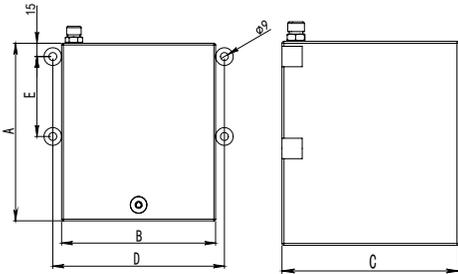
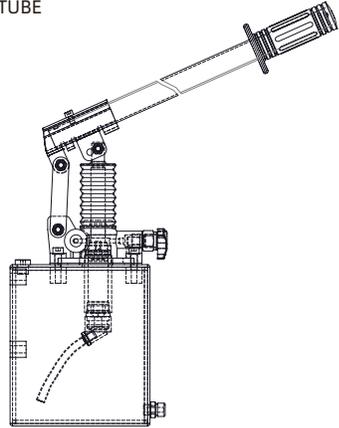
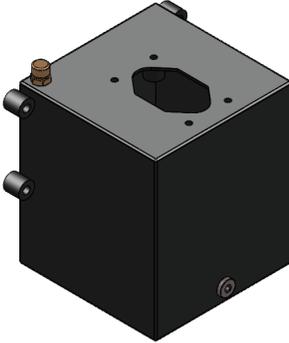


Model	D (mm)	L (mm)	Volume (L)	Description
TDDL-10-TYV-20-040-01	120	225	4	Material : Iron Black Installation:Horizontal Vertical Air Breather And Plug Include
TDDL-10-TYV-20-050-01	120	265	5	
TDDL-10-TYV-20-060-01	120	290	6	
TDDL-10-TYV-20-080-01	120	365	8	
TDDL-10-TYV-20-100-01	120	435	10	
TDDL-10-TYV-20-120-01	120	545	12	

Hand pump oil tank

● Legend & Selection

IRON RESERVOIR, BLACK OIL PROOF PAINTING,
THERESERVOIR IS INCLUDING THE BREATHER PLUGS AND DRAFT TUBE

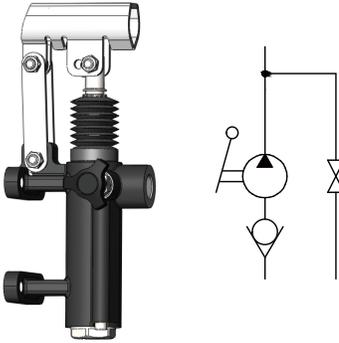


Mineral oil	ISO 6743/4 (DIN 51524)
Oil viscosity	15-250 mm ² /s (15 to 250 cSt)
Max contamination index with filter	ISO 4406:1999 Classe 19/17/14
Oil temperature	-20°C +80°C -4°F +176°F
Environment temperature	-20°C +50°C -4°F +122°F
It is necessary a filter use to protect the valve (advised filtration 15 um)	

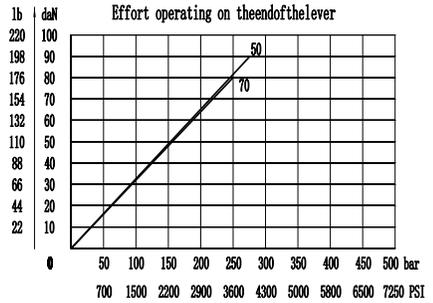
TYPE	L CAPACI TY	A	B	C	D	E	KG WEIGHT
TDDL-10-TFD-SD-010-01	1	120	100	150	120	90	2.2
TDDL-10-TFD-SD-020-01	2	185	100	150	120	90	2.7
TDDL-10-TFD-SD-030-01	3	255	100	150	120	90	3.5
TDDL-10-TFD-SD-040-01	4	150	175	175	195	90	4.2
TDDL-10-TFD-SD-050-01	5	200	175	175	195	90	5
TDDL-10-TFD-SD-070-01	7	275	175	175	195	90	5.5
TDDL-10-TFD-SD-100-01	10	380	175	175	195	90	7.1
TDDL-10-TFD-SD-160-01	16	350	230	230	260	120	12.8

HP50/70 Hand pump

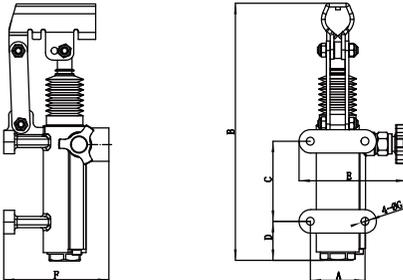
● Legend & Symbol



● Performance



● Dimensions



● Technical date

Mineral oil	ISO 6743/4 DIN51524
Flow	10-500 mm ³ /s 45 to 2000 ssu (6 to 420 cst)
Internal Leakage	ISP 4406:1999 Classe 19/17/14
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F

The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long
It is necessary a filter use to protect the valve (advised filtration 15micron)

● Ordering code

HP-

01	02
----	----

01	Displacement	A	B	C	D	E	F	G
	50cm (3.05 in ³)	60 (2.36)	275(10.83)	87(3.43)	39(1.54)	120(4.72)	116(4.57)	9(0.35)
70cm (4.27 in ³)	80 (3.15)	300(11.81)	95(3.74)	35(1.38)	132.5(5.22)	121.5(4.78)	11(0.43)	

02	WRV	(Without unloading valve with relief valves)
	W	(Without unloading valve)
	L	(with unloading lever 01.06 inch)
	P	(With rubber protection)
	J	(With joisted)
RRV	(With unloading and relief vaves)	

Hand pump *HP2-08*

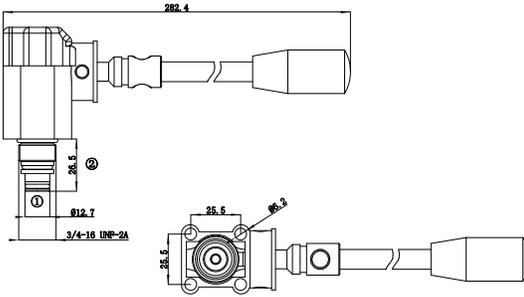
● Product legend



● Symbol



● Dimensions



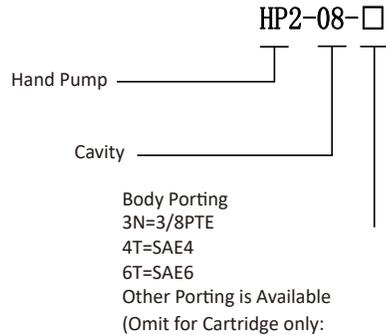
● Working condition

When the piston is advancing, the manual pump discharges 2cc flow from the ② port, and draws the oil from the ① port when the piston is pulled out.

● Technical date

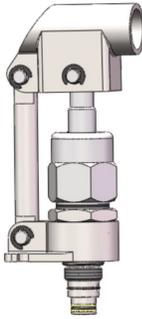
Max Working Pressure	207bar
Flow	2cc per stroke
Internal Leakage	≤2 drops/min at 138 bar
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
Cavity	08-2

● Ordering code

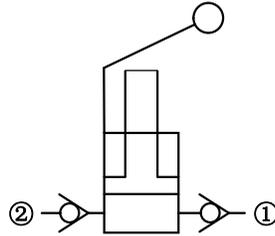


HP-08 Hand pump

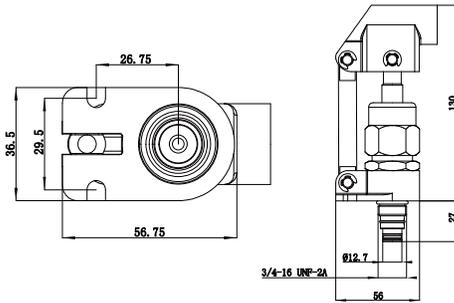
● Product legend



● Symbol



● Dimensions



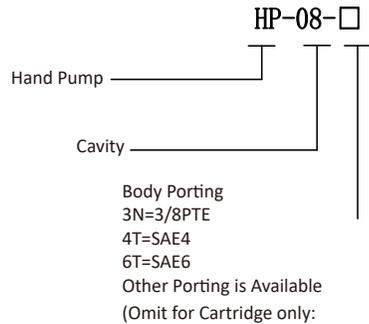
● Working condition

When the piston is advancing, the manual pump discharges 6cc flow from the ② port, and draws the oil from the ① port when the piston is pulled out

● Technical date

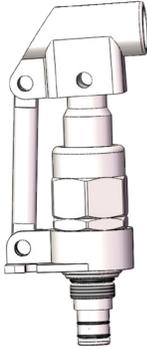
Max Working Pressure	207bar
Flow	6cc per stroke
Internal Leakage	≤2 drops/min at 138 bar
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
Cavity	10-2

● Ordering code

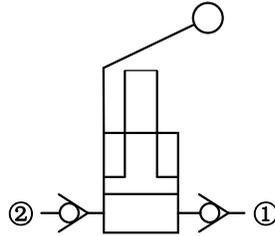


Hand pump *HP-10*

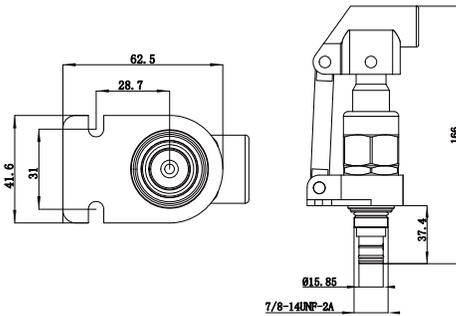
● Product legend



● Symbol



● Dimensions



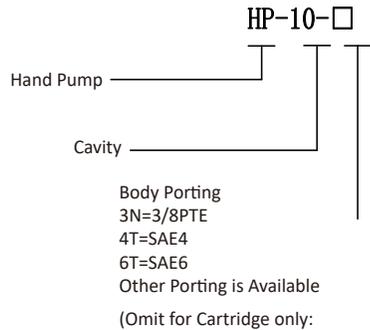
● Working condition

When the piston is advancing, the manual pump discharges 8.8cc flow from the ② port, and draws the oil from the ① port when the piston is pulled out.

● Technical date

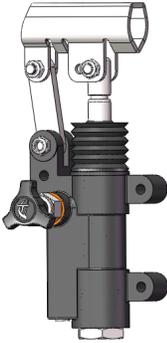
Max Working Pressure	207bar
Flow	8.8cc per stroke
Internal Leakage	5 drops/min at 207 bar
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
Cavity	10-2

● Ordering code

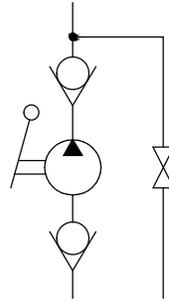


HP-20 Hand pump

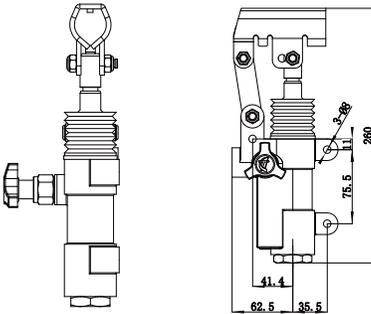
● Product legend



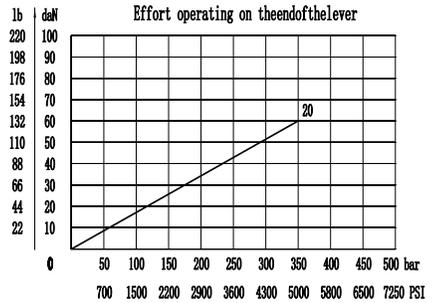
● Symbol



● Dimensions



● Performance



● Technical date

Mineral oil	ISO 6743/4 DIN51524
Flow	10-500 mm ³ /s 45 to 2000 ssu (6 to 420 cst)
Internal Leakage	ISP 4406:1999 Classe 19/17/14
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long It is necessary a filter use to protect the valve (advised filtration 15micron)	

● Ordering code

HP-20-

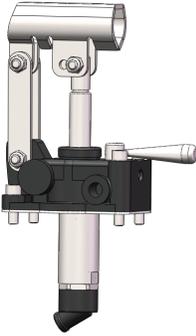
01	02
----	----

	Type	Displacement	Work pressure bar-PS1	Max pressure bar-PS1	Approx weight kg/lbt
01	20	20cm ³ (1.21 in ³)	80 (1160)	280 (4060)	4.2 (9.25)

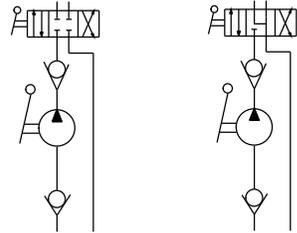
02	WRV	(Without unloading valve with relief valves)
	W	(Without unloading valve)
	L	(With unloading lever 01.06 inch)
	P	(With rubber protection)
	J	(With joystick)
	RRV	(With unloading and relief vaves)

Double acting hand pump *PM*

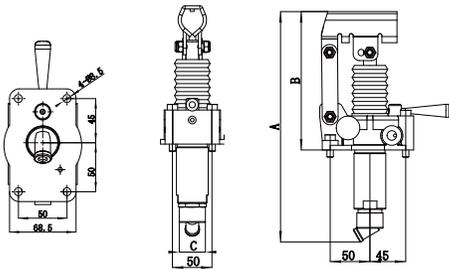
● Product legend



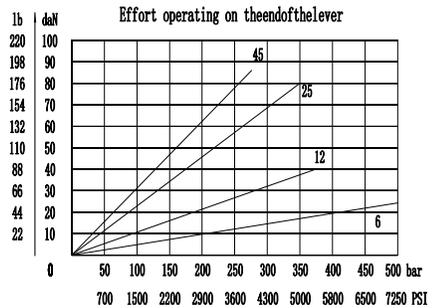
● Symbol



● Dimensions



● Performance



● Technical date

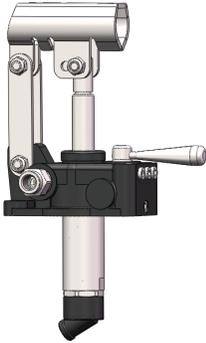
Mineral oil	ISO 6743/4 DIN51524
Flow	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cst)
Internal Leakage	ISP 4406:1999 Classe 19/17/14
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long It is necessary a filter use to protect the valve (advised filtration 15micron)	

● Ordering code

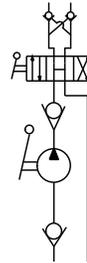
PM-		01	02	03	
01	O				
	Y				
02	Displacement		A	B	C
	6	6cm ³ (0,36 in ³)	253(9,96)	166(6,53)	33(1,33)
	12	12cm ³ (0,73 in ³)	253(9,96)	166(6,53)	33(1,33)
	25	25cm ³ (1,52 in ³)	273(10,74)	172(6,77)	33(1,33)
	45	45cm ³ (2,75 in ³)	283(11,14)	172(6,77)	40(1,57)
03	WRV	Without unloading valve with relief valves			
	W	Without unloading valve			
	RV	With relief valve			

PMT Double acting hand pump with pilot check valves

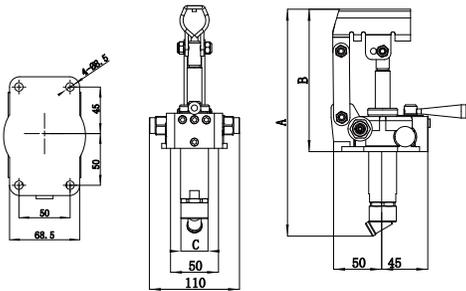
● Product legend



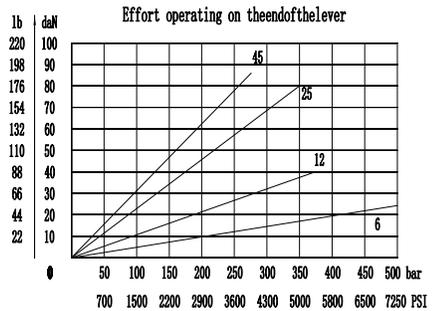
● Symbol



● Dimensions



● Performance



● Technical date

Mineral oil	ISO 6743/4 DIN51524
Flow	10-500 mm ² /s 45 to 2000 ssu (6 to 420 cst)
Internal Leakage	ISP 4406:1999 Classe 19/17/14
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
The pump is supplied with shaped seal, fixing screws and acting lever 23 in. long It is necessary a filter use to protect the valve (advised filtration 15micron)	

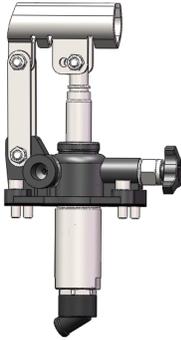
● Ordering code

PMT- 01

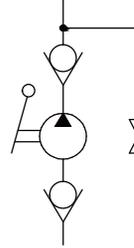
		Displacement	A	B	C
01	6	6cm ³ (0.36 in ³)	253(9.96)	166(6.53)	33(1.33)
	12	12cm ³ (0.73 in ³)	253(9.96)	166(6.53)	33(1.33)
	25	25cm ³ (1.52 in ³)	273(10.74)	172(6.77)	33(1.33)
	45	45cm ³ (2.75 in ³)	283(11.14)	172(6.77)	40(1.57)

Single acting hand pump PMS

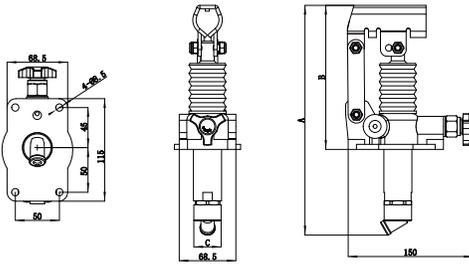
● Product legend



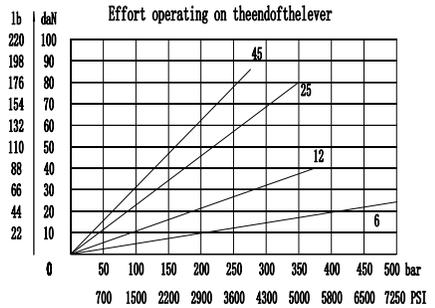
● Symbol



● Dimensions



● Performance



● Technical date

Mineral oil	ISO 6743/4 DIN51524
Flow	10-500 mm ³ /s 45 to 2000 ssu (6 to 420 cst)
Internal Leakage	ISP 4406:1999 Classe 19/17/14
Fluid Temperature	-20°C +80°C -4°F +176°F
Ambient Temperature	-20°C +50°C -4°F +122°F
The pump is supplied with shaped seal, fixing screws and acting lever 23 in long. It is necessary a filter use to protect the valve (advised filtration 15micron)	

● Ordering code

PM-		S	02	03	
01		TYPE	MAX PRESSURE _{test} -PSI	APPROX WEIGHT kg/lb	
		PMS6	350(5075)	4,4(9,7)	
		PMS12	350(5075)		
		PMS25	350(5075)		
		PMS45	280(4060)		
02		排量 / Displacement	A	B	C
		6 6cm ³ (0,36 in ³)	253(9,96)	166(6,53)	33(1,33)
		12 12cm ³ (0,73 in ³)	253(9,96)	166(6,53)	33(1,33)
		25 25cm ³ (1,52 in ³)	273(10,74)	172(6,77)	33(1,33)
45 45cm ³ (2,75 in ³)	283(11,14)	172(6,77)	40(1,57)		
03		WRV	Without unloading valve with relief valves		
		W	Without unloading valve		
		RV	With relief valve		