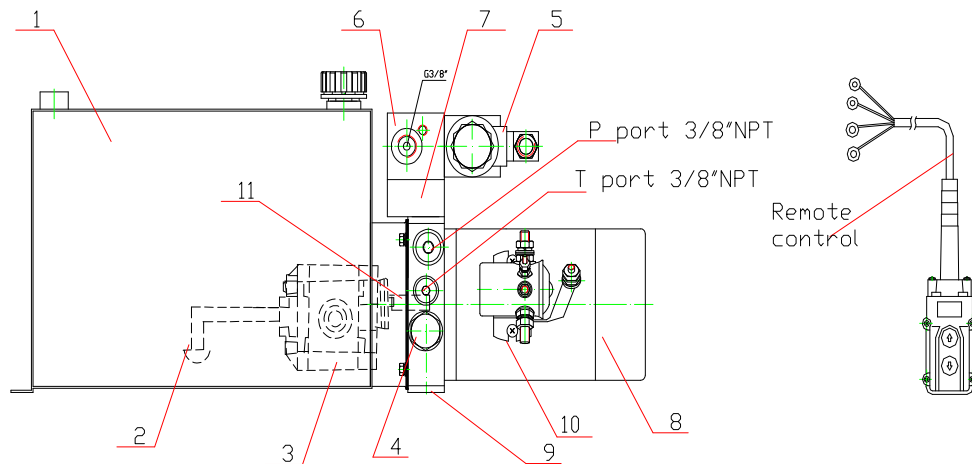




POWER UNIT MAIN PARTS



No.	Description
1	tank (Steel or Plastic)
2	Suction Filter
3	Gear pump
4	Relief valve
5	Solenoid directional control valve
6	CEtop
7	Adaptor
8	Motor
9	Central Manifold
10	starter
11	coupling
12	cartridge valve

CENTRAL MANIFOLD HAS A DIFFERNT VALVE CONTROL OPTIONS (BASE ON HYDRAULIC CIRCUIT DIAGRAMS SEE NEXT PAGE OR CUSTOMIZED DESIGN).

Hydraulic oil specification

Type: mineral oil and hydraulic oil (HM or HV)

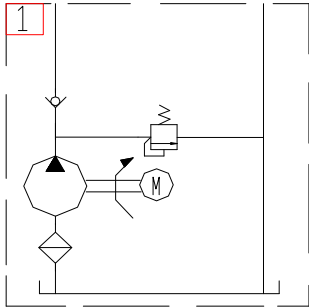
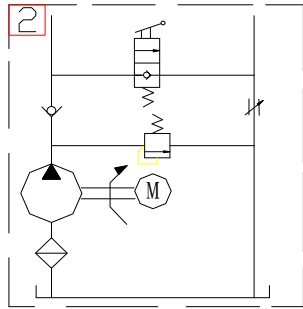
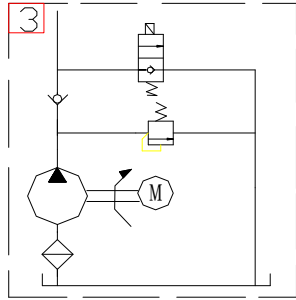
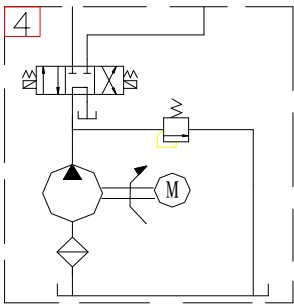
Viscosity: ISO VG22-68 (Ambient > 0 °C)

ISO VG15 (Ambient < 0 °C)



POWER UNIT OPTIONS

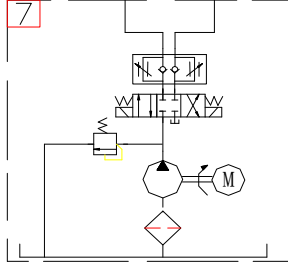
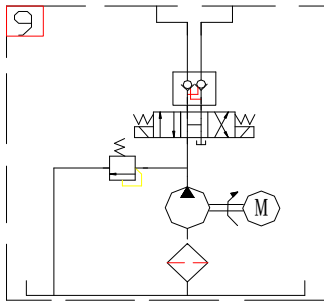
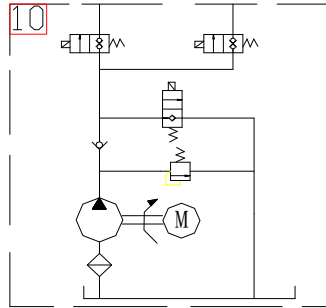
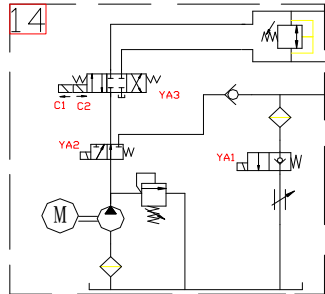
Our Most Popular Hydraulic Circuits as follows.

Circuit No.	Function	Schematic	Main Parts
01	Power up, hold and gravity down using an external valve to drive single acting cylinder.		Pump Motor Manifold Tank
02	Power up, hold and gravity down using a manual valve, which drives single acting cylinder.		Pump Motor Manifold Tank Manual Valve 2/2
03	Power up, hold and gravity down using a solenoid valve, which drives single acting cylinder.		Pump Motor Manifold Tank Solenoid Valve 2/2
04	Power up, hold and power down by a solenoid valve, which drive a double acting cylinder.		Pump Motor Manifold Tank Solenoid Valve 4/3



POWER UNIT OPTIONS

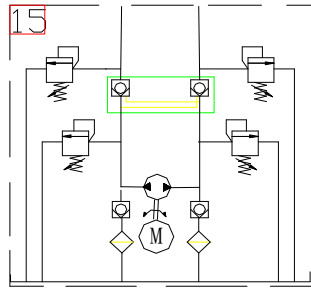
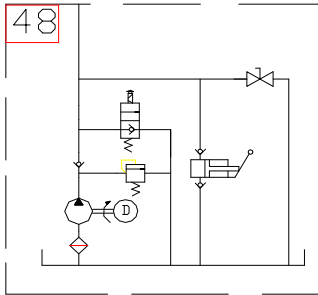
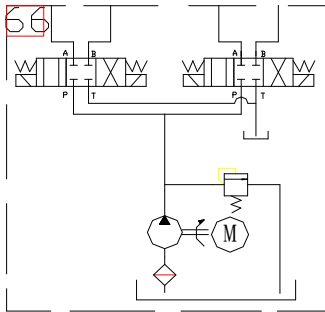
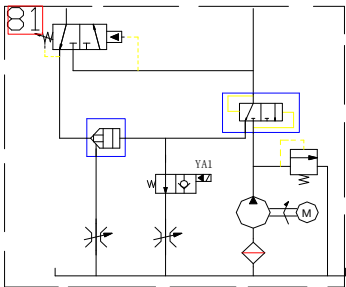
Our Most Popular Hydraulic Circuits as follows.

Circuit No.	Function	Schematic	Main Parts
07	Power up, hold and power down by a solenoid valve, Flow valves control a double cylinder speed.		Pump Motor Manifold Tank Solenoid Valve 4/3 Flow control valves
09	Power up, hold and power down by both a solenoid valve and pilot operated check valves to control a double acting cylinder.		Pump Motor Manifold Tank Solenoid Valve 4/3 Pilot operated check valve
10	Power up, hold and power down by two solenoid valves to drive two single acting cylinders.		Pump Motor Manifold Tank Solenoid Valve 2/2
14 Snowplow Unit	Power up, power angling and gravity down by two solenoid valves and cross over relief to drive cylinders. (Snowplow power unit)		Pump Motor Manifold Tank Solenoid Valve 4/3 Cross over relief valve Solenoid Valve 2/2



POWER UNIT OPTIONS

Our Most Popular Hydraulic Circuits as follows.

Circuit No.	Function	Schematic	Main Parts
15	Power up and power down by a bi-direction motor (small power) to drive a double acting cylinder.		Pump with bi-direction Motor with bi-rotation Manifold Tank Relief valves
48	Power up and gravity down by a solenoid valve. Hand pump to drive a acting cylinder at no electrical power.		Pump Motor Manifold Tank Solenoid valve 2/2 Hand pump
66	Power up and power down by two solenoid valve to drive two double acting cylinders.		Pump Motor Manifold Tank Solenoid valve 4/3
81 Dock Lever unit	Power up and gravity down by valves to drive two acting cylinders (for the main platform and its lip of a warehouse dock)		Pump Motor Manifold Tank Sequence valves Shuttle valve Relief Valve