

▼ PLC Servo Synchronous Hydraulic System



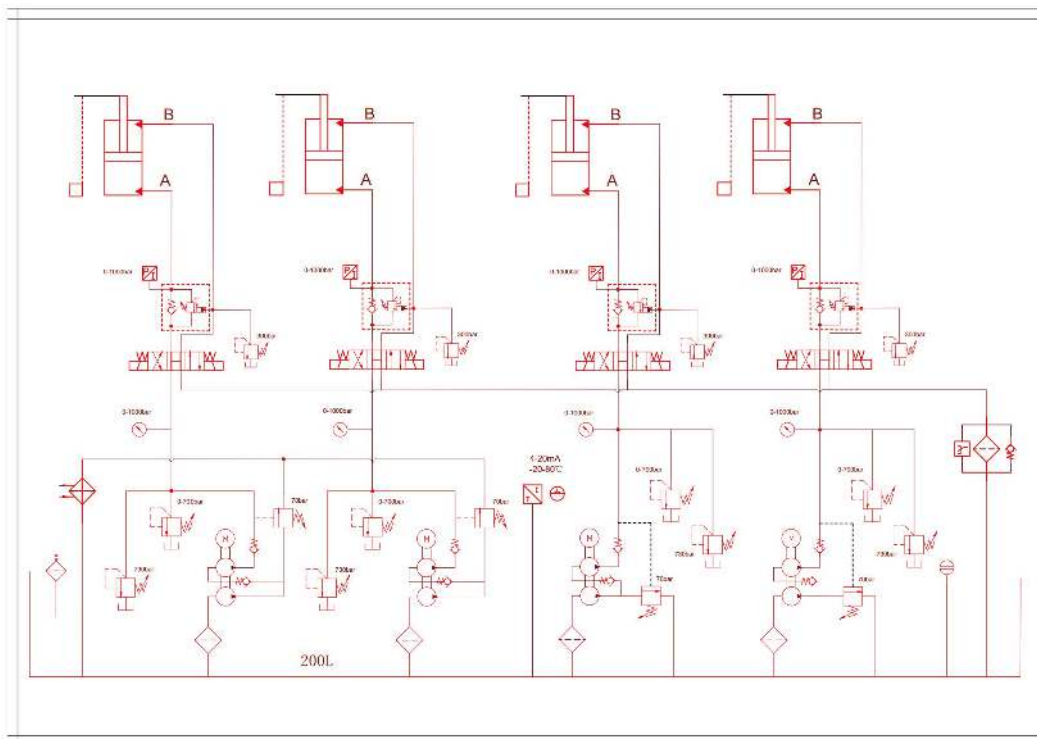
Technical features:

- ◆ Each point independent servo drive high pressure pump and valve group
- ◆ Continuous operation, no stuck, fast jacking speed
- ◆ Standard load balancing valve, high synchronous falling precision
- ◆ Speed continuously adjustable, stepless setting of running speed
- ◆ Pre-jacking, synchronous jacking, synchronous falling function
- ◆ Proportional slope displacement function, each point set the target displacement separately. The same proportion of operation
- ◆ Air cooled radiator, filter system
- ◆ Sensor parameter setting, pre-jacking tonnage setting, alarm pressure setting
- ◆ Overpressure alarm, overdifference alarm, sensor signal error alarm, displacement sensor overstroke alarm, servo alarm, liquid temperature level alarm
- ◆ Full protection frame, rain cover plate, forklift bottom, lifting lug
- ◆ Optional on-line control of multiple pump stations, Realize any combination of points

▼ PLCType Specification Sheet:

Model Number	Voltage (VAC)	Phase (PH)	power (KW)	High Pressure Flow (L/Min)	Reservoirs capacity (L)	Number of points	Displacement sensor range (MM)	Length of the displacement sensor cable (M)	Function
HSE40120-4	230	1	1*4	0.5*4	120	4	1000	20	Pre-jacking/synchronous jacking/synchronous landing
HSE80120-4	380	3	3*4	1.5*4	120	4	1000	20	Pre-jacking/synchronous jacking/synchronous landing
HSE80200-8	380	3	3*8	1.5*8	200	8	1000	30	Pre-jacking/synchronous jacking/synchronous landing
HSE950200-4	380	3	5.5*4	2.7*4	200	4	1000	20	Pre-jacking/synchronous jacking/synchronous landing
HSE950300-8	380	3	5.5*8	2.7*8	300	8	1000	30	Pre-jacking/synchronous jacking/synchronous landing
HSE830120-4-3	380	3	3*12	1.5*12	120*3	4*3	1000	30	Three sets of 12-point joint control, independent

▼ PLC Servo Hydraulic Schematic Diagram:



▼ Operation main interface:

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SETTING MANUAL PRE-JACK AUTO ALARM

	NO.1	NO.2	NO.3	NO.4
ENABLE	OFF	OFF	OFF	OFF
TARGET(mm)	20.0	30.0	40.0	50.0
POSITION(mm)	0.0	-0.7	0.7	0.7
ERROR(mm)	0.0	0.7	-0.7	-0.7
SENSOR(mm)	7.2	4.3	8.7	8.0
PRESSURE(Mpa)	0.1	0.0	0.0	0.0
TONNAGE(T)	0.0	0.0	0.0	0.0
POSITION(%)	0%	0%	0%	0%

SYSTEM STATE

COM LOCAL REMOTE
RUNNING MANUAL AUTO
CLOSE INH

BUTTON & RUNING STATE

UP SELECT UP RUNNING UP REACHED
DOWN SELECT DOWN RUNNING DOWN REACHED
ZERO POSITION ALARM RESET

COMMON SETTING & DISPLAY

SPEED(%) 20 ALARM_ERR(mm) 20.0
OIL LEVEL(mm) 85.2 OIL TEMP(°C) 20.9

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SETTING MANUAL PRE-JACK AUTO ALARM

	1-1	1-2	1-3	1-4	2-1	2-2	2-3	2-4	3-1	3-2	3-3	3-4
ENABLE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
TARGET(mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	30.0	30.0	30.0
POSITION(mm)	-120.6	-116.3	-120.0	-118.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ERROR(mm)	0.0	116.3	120.0	118.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SENSOR(mm)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PRESSURE(Mpa)	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TONNAGE(T)	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SYSTEM STATE

RUNNING MANUAL AUTO
LOCAL1 REMOTE2 REMOTE3
COM1 COM2 COM3
CLOSE INH1 CLOSE INH2 CLOSE INH3

BUTTON & RUNING STATE

UP SELECT UP RUNNING UP REACHED
DOWN SELECT DOWN RUNNING DOWN REACHED
ZERO POSITION ALARM RESET

SETTING & DISPLAY

SPEED(%) 30
ALARM_ERR(mm) 1.0
OIL TEMP(°C) 19.0
OIL LEVEL(mm) 84.7

▼ Typical products:

