



The hydraulic pump station mainly provides centralized hydraulic power source for all kinds of aircraft hydraulic finished parts test bench or other hydraulic equipment. According to the pressure requirements of different hydraulic equipment, it can provide two pressure levels of 3000PSI and 5000PSI, and can provide two working media of red oil and blue oil in accordance with the needs of the working medium of hydraulic finished parts.

Provide the following function options according to user requirements:

- Provide static pressure test, the maximum pressure can be more than 10,000 PSI;
- Provide remote control interface and control panel;
- Provide online oil cleanliness function;
- Provide water content detection function;
- Provide low voltage output control function;
- Provide multi-channel pressure output function and independent control;
- Provide oil working medium temperature control function;
- Other customization functions proposed by users.

Equipment features:

Hydraulic pump station adopts dual pump modular design, which can provide 3000PSI and 5000PSI pressure according to different hydraulic test bench requirements. It adopts multi-channel output configuration, adjustable pressure at the outlet, and can use purple oil or red oil media according to user requirements.

The pump source control and display system can remotely monitor the pump station system pressure, flow, oil temperature and other parameters, and display in real time on the LCD screen, and also can display the system dynamic hydraulic schematic diagram of each working state and oil tank liquid level. The equipment is equipped with a 19-inch color touch screen, real-time monitoring of the pressure, flow, temperature, pollution, water

content, gas content and other parameters of the whole system, control the pressure, flow and temperature of the output oil of the pump station system, and equipped with starting protection, power off protection, emergency stop protection and other protective measures. The system sets sound and light alarm for fault.

Basic indicators:

- Drive power: 75 KW,132KW (configurable);
- Driving speed: 1450 r/min;
- Hydraulic medium: phosphate ester flame retardant hydraulic oil (purple oil) or red oil;
- Filtration accuracy: 2 μ ;
- Contamination level: applicable to SAE AS4059 level 5, with a sampling port for detecting oil cleanliness;
- Oil supply capacity: 5000PSI@20GPM, 3000PSI@35GPM; 5000PSI@40GPM , 3000PSI@65GPM ;
- Total flow: 100 GPM;
- Stainless steel oil tank: 1500 L;
- System pressure pulsation: $\leq\pm 6\%$;
- Output oil temperature requirement: 20-50 $^{\circ}$ C;
- Noise: not more than 75dB (measured at 1m with pump room);

The continuous working time of the device is not less than 24 hours, and the overall average trouble-free time is not less than 10000 hours.