

ONEJET50 HIGH PRESSURE PUMP



Technical specifications of the Ultra High Pressure pump 50HP

Nominal power of the main engine	37 kW(50 hp)
Nominal current of the main motor	380 V/50 Hz- 72 A
Main Engine Brand	SIEMENS/SIEMENS BEIDE
Main engine Low start	SIEMENS Soft starter
Pressure control system	Dual system pressure auto - control (Low/high range 70~380 MPa)
Maximum Circuit Breaker at 380V/50Hz	160 A Schneider Main switch
H.P Control System / Language PLC	SIEMENS PLC Control / English language or OMRON + Touch screen
Inlet Water Pressure range request	3.0~6.0 bar
Inlet water pressure after Booster	6~10 bar
High Pressure Attenuator volume	1.49 Liter maintenance free attenuator
Inlet water Filter assembly	5 μ m, 1 μ m, 1 μ m 3 filters
Request for water treatment	According to the requirement of inlet water quality
Intensifier bearing pressure	420 MPA (4137 bar/60000psi)
Hydraulic High Pressure piping	3 layers steel wired hydraulic piping
Outlet High Pressure tubing	1/4" High Pressure tubing imported
High Pressure tubing Inside Pump	3/8" High Pressure tubing imported
Display information	Inlet water pressure, outlet high pressure, oil pressure, oil temperature

Pressurization / intensifier rate

Hydraulic 1:20 (oil : water)

Intensifier Type

50 hp Short type

High Pressure stable

25~380 MPA (3500~55,000 psi)

Hydraulic Tank Capacity

120 Liter

Maximum water flow rate

3.5 liter /min

Temperature of machine working

Min. 5 °C (40 °F) maxi 40 °C (104 °F)

oil Pump brand & model

Liyuan-Rexroth Type: A10V or Rexroth

Directional valve

SUNNY(U.S.A) or Rexroth

Oil Type and Brand

46# anti-wear hydraulic oil

Controlled oil temp range

25~50 °C

Maximum Flow Rate at 1440rpm

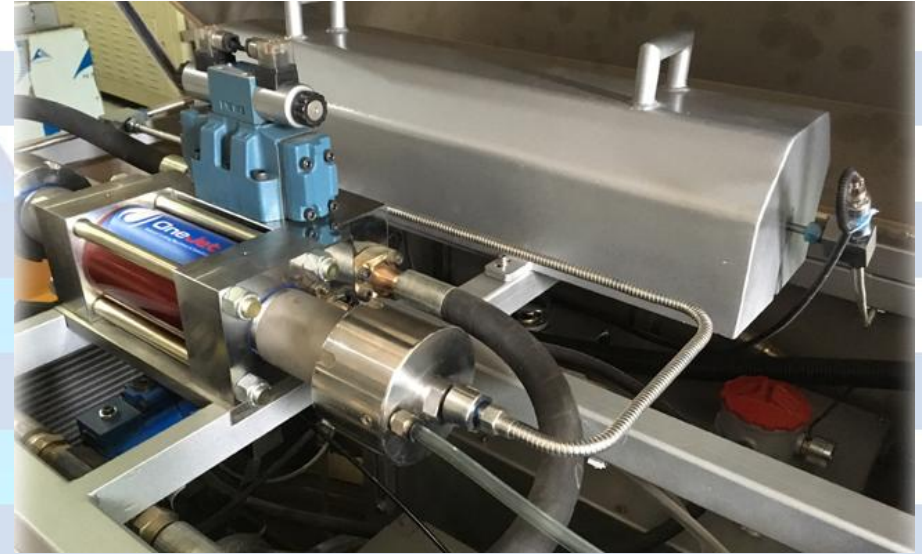
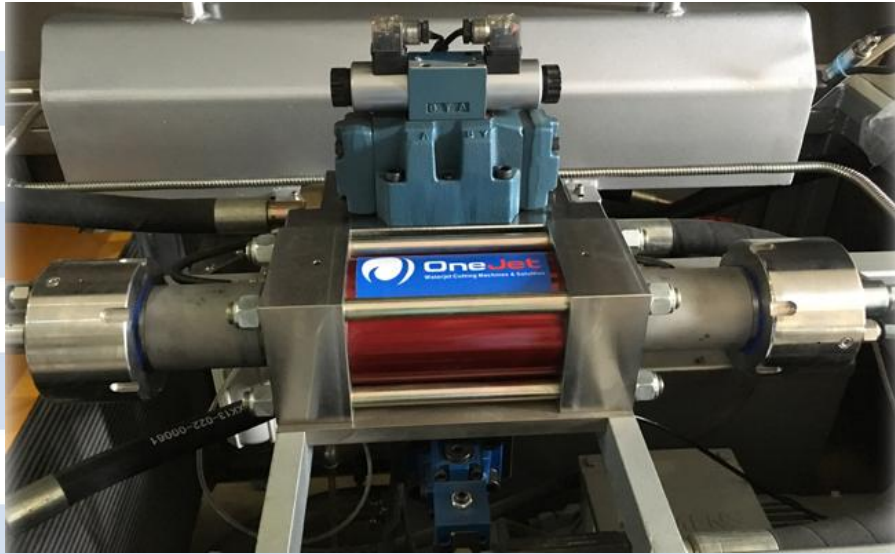
156 liters / min

Maximum Torque

160 Nm

Maximum noise level

75 dB (A)



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