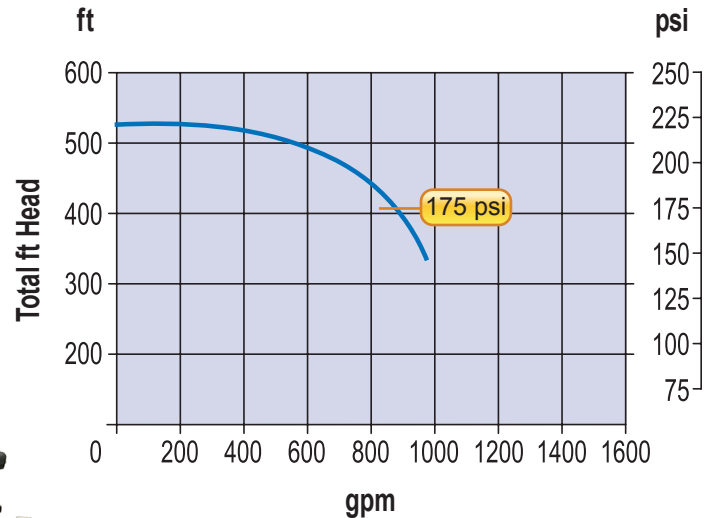


HTU 500 HYDROSTATIC FILL AND TEST UNIT

with Hydraulic Driven Test Pump

Fill Pump Performance @ Maximum Rated HP



Remote Control
Panel



Operator's Control
Station

FEATURES

Ease of Operation – the HTU is designed to fill and test pipelines using a single power source. Push button controls are provided for independent operation of the fill and test pumps. The fill pump can output up to 600 gpm @ 500 ft of head, and the test pump output is fully variable up to 3,205 psi @ 23 gpm.

High Flow Centrifugal Fill Pump with inlet suction strainer and a butterfly valve on the outlet to facilitate priming and flow regulation

High Pressure Triplex Test Pump with full variable speed control and pulsation dampener for smooth operation

High Pressure Check Valve which allows automatic switchover function from fill to test

Enclosed Diesel Engine Power Pack with electric over hydraulic clutch engagement PTO

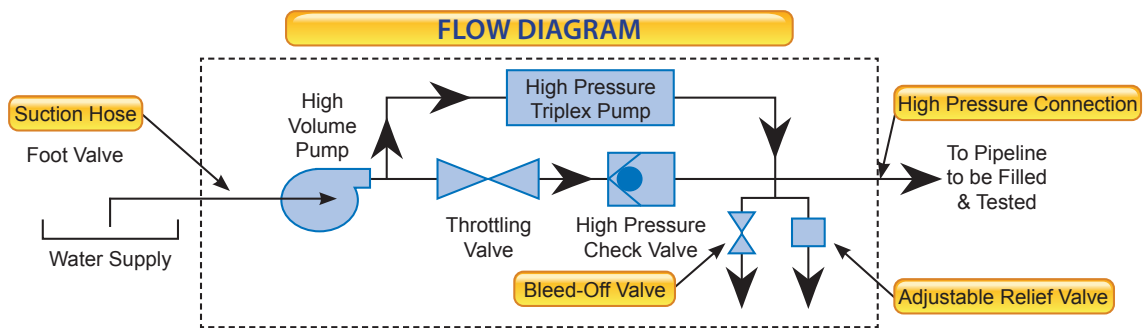
Fully Equipped Tandem Axle Trailer with leveling jacks and lifting lug

Operator's Control Station includes all engine and operating controls with gauge display and a remote control panel with 100 ft cord

Operation Readings including suction temperature, suction pressure, fill pressure, fill flow, test pressure, test flow and test volume.

Drain Valves to release pressure and drain fluid from system

Optional 20ft suction hose with quick connect



SPECIFICATIONS

Engine	
Emission Certification	CARB Tier 4 (F), EU Stage IV, US EPA Tier 4 (F)
Cylinders	4
Displacement	275 in ³ (4.5 l)
Maximum Rated Speed	2500 rpm (Set to 2,000 Maximum rpm)
Power Rating @ 2,000 rpm	173 hp (129 kW)
Maximum Torque @ 1,500 rpm	520 lbft (705 Nm)
Minimum Idle Speed	700 rpm
Specific Fuel Consumption (based on 2000 rpm with No. 2 diesel fuel)	0.347 lb/hph (211 g/kWh)
Voltage	12V
Mechanical Power Take-off, Heavy Duty	Hydraulic Actuation
Fill Pump	
Type	Centrifugal, Multi Stage
Liquid	Water
Flow at Maximum Efficiency (NPSHR @ 8.2 ft)	800 gpm
Shut Off Head	525 ft
Test Pump	
Type	Triplex Plunger Pump
Plunger Size	1-1/4 in (31.7 mm)
Maximum Pressure	3,205 psi (221 bar)
Displacement Volume @ 420 rpm	23 gpm (89 lpm)
Maximum Continuous Speed	420 rpm
Maximum Intermittent Speed	460 rpm
Displacement	0.0558 US gpm/rpm (0.2112 lpm/rpm)
Displacement/Stroke (per plunger)	0.0186 US gpm/stroke
Test Pump Drive	
Type	Hydraulic, Fully Variable, Electronic Control
Reservoir	5 Gallons (18.9 L)
Operating Pressure	3,626 psi (250 bar)
Trailer	
Type	10,000 lb Utility Trailer, Tandem Axle
Brakes	Electric on all Wheels
Wheels	6" x 15", 6-Hole, Single
Tires	ST225/75R 15 LR D
Ball Coupler	2-5/16" Adjustable
Safety Chains	(2) 5/16"x12" Long w/ Safety Hooks
Leveling Jacks	(2) 5K Side Winds, Swivel Type
Lights and Wiring	Running and Tail Lights with 7-Way RV Plug
Accessories	Spare Tire, ST225 Mounted on 15" Rim
Connections	
Suction	6" x 150 lb Flange
Discharge	4" x 900 lb ANSI Flange
Fuel	
Type	Diesel
Capacity	75 gal (284 l)
Shipping Weights	
Trailer Model	8,900 lb (4,036 kg)
Skid Mounted Model	8,600 lb (3,900 kg)
Overall Dimensions	
Trailer Model	96"Wx204"Lx103"H
Skid Mounted Model	96"Wx204"Lx80"H