



# Fill & Test Pump

## Challenger Model FT-83



### Standard Components

- Caterpillar C 6.6 Diesel Engine
- Wheatley-Gaso P323 / T365M Triplex Piston Pump  
1 1/2" to 2" inch diameter plungers
- Pioneer SC-66 Centrifugal Pump Single stage
- 60 Gallon Fuel Tank
- Skid Mounted—8 inch wide Flange I Beam

#### Engine includes:

- Electric start, alternator & batteries.
- Murphy Instrument panel.
- Twin Disc power take-off
- Automatic shut-offs for high water temp/low oil pressure

#### Triplex Piston Pump Includes:

- 1 1/2 inch plungers for 2,700 psi
- 2.5 inch NPT female connection on suction port.
- 2.0 inch NPT female connection on discharge port.
- Ductile iron fluid end.
- Stroke counter.

#### Centrifugal Pump Includes:

- 14 inch impeller, 6 inch suction, 6 inch discharge.
- Enclosed type five vane with AISI 150# flanges.
- Capable of handling solids up to 1"

### PERFORMANCE—TEST

- 33 GPM @ 2,700 psi (max.)  
(7.50 m<sup>3</sup>/hr. @ 186.2 bar)  
1 1/2" plunger
- 93 GPM @ 1,000 psi (max.)  
(21.13 m<sup>3</sup>/hr. @ 69 bar)  
2 1/2" plunger

### PERFORMANCE—FILL

- 2,200 GPM @ 270 feet of head  
(500 m<sup>3</sup>/hr.)
- 1,000 GPM @ 325 feet of head  
(227 m<sup>3</sup>/hr.)

### OPTIONS

- Pressure and temperature recorder
- Dead Weight Tester
- High head fill pump
- Trailer Mounted
- Wheatley P-323 triplex pump

### Dimensions

Length	118 inches	2,997 mm
Width	90 inches	2,286 mm
Height	57 inches	1,448 mm
	(exhaust pipe & muffler removed)	
Weight	5,900 pounds	2,540 kg
Cubic Volume	336 cu. ft.	9.5 cu. meters

CHALLENGER SERVICES  
4530 S. Jackson Ave.  
Tulsa, Oklahoma 74107 USA

Phone: (918) 447-0055  
Fax: (918) 447-0067

email: sales@challengerservices.com  
www.challengerservices.com