



CORE ANALYSIS EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our extensive line of Core Analysis products includes equipment for preparing core samples, routine testing, and advanced analysis.

As an independent manufacturer and supplier, OFITE has one priority, our customers.

Manual Reservoir Permeability Tester

The permeability of a petroleum reservoir is one of the most influential parameters in determining the production capabilities of a producing formation. Permeability is a measure of the ability of a fluid to flow through a porous media when subjected to a differential pressure and is mathematically equated by Darcy's law. The Reservoir Permeability Tester was developed to evaluate how fluids affect the permeability of a core specimen. In addition, the unit may be used to evaluate acidizing techniques and to develop typical Acid Response Curves (ARCs).



Features

- Manual valves enable forward and reverse injection through core holder for 3 separate fluids and nitrogen gas
- Hassler-type core holder rotates for either horizontal or vertical testing orientation
- Wetted materials are 316 Stainless Steel (HC-276 is available on request)
- Two-piece cabinet construction, with storage area below and locking swivel castors for mobility
- Comes with PC and data acquisition software





Technical Specifications and Requirements

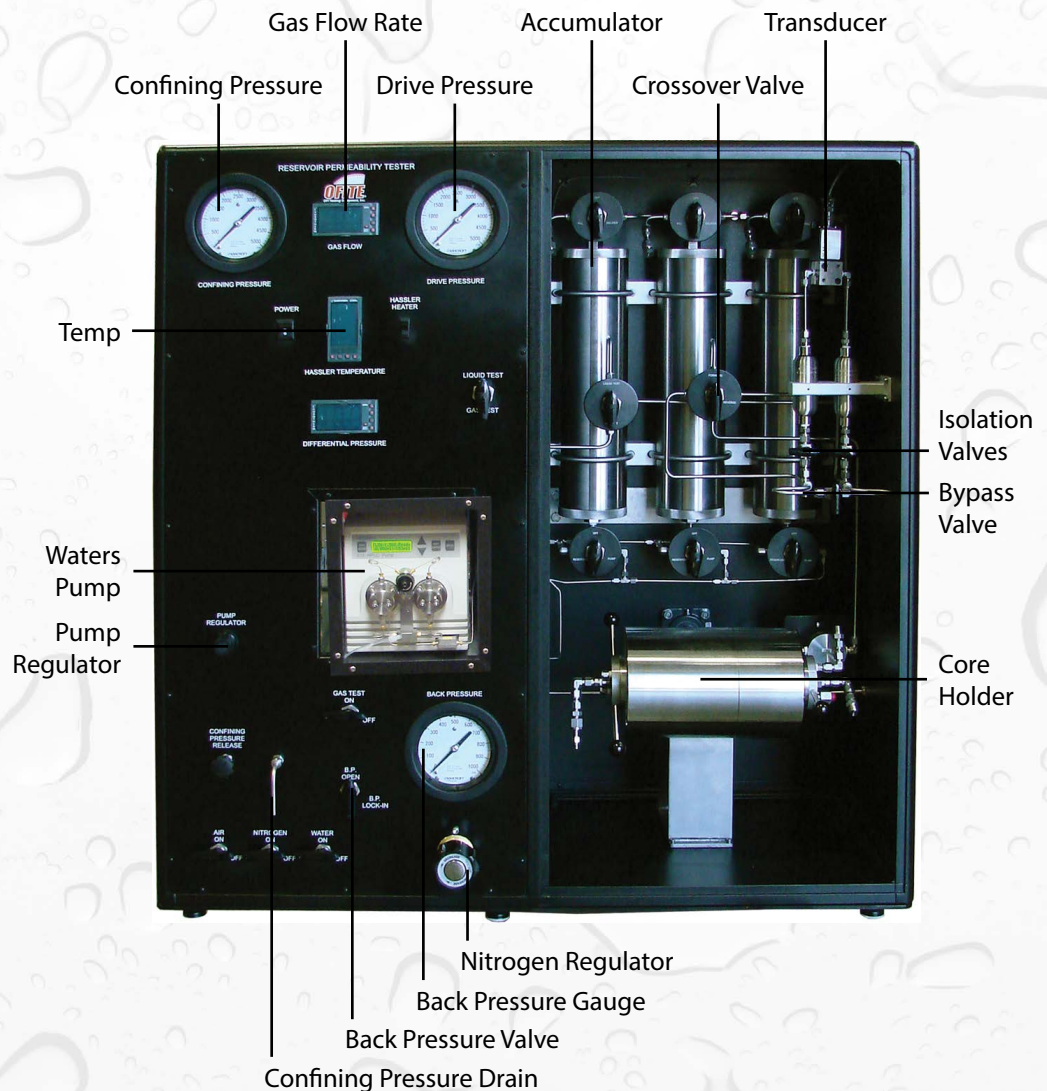
- 127-00 - Manual Reservoir Permeability Tester

Specifications

- Core holder can test cores 1" or 1 ½" diameter x 6" maximum length
- Accumulators: three separate piston accumulators, 1.5 liters each
- Drive Pressure: 5,000 PSI maximum
- Confining Pressure: 5,000 PSI maximum
- Back Pressure: 1,000 PSI maximum
- Core Holder Temperature: 400°F (204.4°C) maximum
- Fluid Injection Flow Rate: 0 to 10 ml/min
- Size: 44" wide x 20" deep x 60" tall (112 x 51 x 152 cm)
- Weight: 760 lb (344.7 kg)

Requirements

- Air: 100 PSI
- Nitrogen: 2,000 PSI
- Water: tap pressure (30 to 40 PSI is typical)
- Electrical: 230 VAC, 30 amps



Specifications

Size:

Net Size: 44" × 20" × 45.5" (111.8 × 50.8 × 115.8 cm)
Net Weight: 519 lb. (235.4 kg)
Crated Size: 51" × 31" × 60" (129.5 × 78.7 × 152.4 cm)
Crated Weight: 726 lb. (329 kg)

Maximum Pressure:

Drive: 5,000 PSI (34.5 MPa)
Confining: 5,000 PSI (34.5 MPa)
Back Pressure: 1,000 PSI (6.9 MPa)

Temperature Controller:

1 Digital PID with 1° Resolution; Max 400°F (204.4°C)

System Requirements:

Air: 100 – 120 PSI (689.5 – 827.4 kPa)
Nitrogen: 1,000 – 2,000 PSI (6.9 – 13.8 MPa)
Water: 30 – 40 PSI (206.9 – 275.8 kPa)
Electrical: 230 VAC

Components

#127-00-205	Accumulator Cap and Piston O-ring, Qty: 12
#127-00-207B	Hassler Cap Insert, 1.5"
#127-00-207C	Hassler Cap Insert, 1", Qty: 2
#127-00-210	Hassler Cell Cap Rod, Qty: 4
#127-00-212	Hassler Cap O-ring, Qty: 2
#127-00-213	Hassler Insert O-ring, Qty: 2
#127-00-235	Core Sleeve, 1.5"
#127-00-247	75 mL Sample Cylinder with ¼" FNPT Ports, Qty: 2
#127-00-310	Accumulator Fill Pump, 230V
#130-75-71	Monitor
#130-75-74	Desktop Computer
#130-76-03	Thermocouple
#130-79-15	Serial Cable, OB9 M/F
#166-05	230 Volt (European Plug) Adapter
#220-10A-EURO	AC Power Cord, 3-Conductor, International (Continental European), Qty: 3
#700-100-027-2	Core Sleeve, 1" Diameter, 7" Long, Viton, Qty: 40

Optional:

#127-02

#122-073-1	Fuse, 3 Amp, 5 mm × 20 mm, Qty: 12
#122-074-1	Fuse, 5 Amp, 5 mm × 20 mm, Qty: 12
#127-00-205	Accumulator Cap and Piston O-ring, Qty: 20
#127-00-212	Hassler Cap O-ring, Qty: 72
#127-00-213	Hassler Insert O-ring, Qty: 18
#127-00-235	Core Sleeve, 1.5", Viton, Qty: 40
#127-00-240	83 Series ¼" Three-Way Stainless Steel Ball Valve, 6,000 PSI (14.4 MPa), Qty: 2
#127-00-242	83 Series ¼" Two-Way Stainless Steel Ball Valve, 6,000 PSI (14.4 MPa), Compression Fittings, Qty: 2
#127-006	ISCO Pump Repair Kit
#171-45-4	Thermocouple, Qty: 2
#700-100-027-2	Core Sleeve, 1" Diameter, 7" Long, Viton, Qty: 40

Spare Parts for Two Years (Sold Separately):