



Firefly Fire Pumps Pvt. Ltd.

C-7, M.I.D.C. Gokul Shirgoan
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TECHNICAL DATA SHEET FOR MFT-1800-D

1. ENGINE:

The pump is driven by a close coupled suitable diesel engine.

The engine is supplied complete with:

- | | | |
|-------------|----------------|------------------|
| Alternator | Radiator | Starter motor |
| 12v battery | Oil filter | Fuel filter |
| Oil cooler | Cooling fan | Exhaust silencer |
| Air cleaner | Heat Exchanger | |

Fuel tank of capacity 45 liters. Sufficient for firefighting at rated performance for more than 3.5 hrs

2. PUMP:

❖ Rated Performance: -

Discharge (lpm)	Pressure (bar)
1600 - 1800	7

*The Performance data stated above is observed at test conditions (3.0 meters suction lift at NTP conditions).

*For capacities other than stated above, please contact technical department.

- ❖ Suction Inlet : - 100 mm
- ❖ Priming: - Firefly's highly reliable reciprocating priming system "Primatic". Capable of priming from 8 meter deep.
- ❖ Discharge Couplings: - 2 x 2.5" instantaneous screw down delivery outlets.
- ❖ The shaft is supported by two ball bearings & one roller bearing. Shaft sealing is by the well known Firefly automatic mechanical seal incorporating a carbon seal running on a stainless steel counter face. The mechanical seal is pre-loaded and requires no maintenance or attention during its life.



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❖ Material Specifications: -

Part Name	Material
Pump Shaft	Stainless Steel
Impeller	Aluminum (LM 25) Gunmetal (I.S. 318)
Volute Casing	Aluminum (LM 25) Gunmetal (I.S. 318)
Renewable Wear Rings	Gunmetal / Stainless Steel

3. INSTRUMENTS: -

A comprehensive illuminated weatherproof control and instrument panel is fitted in a convenient position close to the pump and includes the following:

Pump pressure gauge	Panel light switch
Pump suction compound gauge	Throttle control
Panel light	Fuel contents gauge
Engine water temperature gauge	Starter button
Engine oil pressure gauge	Stop control
Battery condition meter	

4. FOUNDATION & BASE FRAME: -

The pump and engine combination is supported on suitable frame of heavy channels. Rubber pads are provided for vibration damping. A tool box is provided for keeping necessary tools required for pump like strainers, spanners etc. A bracket is provided suction pipe.

* The right of technical modifications & improvement without prior notice is reserved.

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*For capacities other than stated above, please contact technical department.