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**Product Name :**

Dewatering Pump, 11-22 cbm/hr@50m TMH

**Product Code :**

SLE/WDF/18



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## Description :

**Dewatering Pump, 11-22 cbm/hr@50m TMH** (Product Code: SLE/WDF/18) is an air-powered diaphragm dewatering unit used to keep hand-dug wells free of water while they are being dug and deepened. It delivers up to 22 m³/hr, or 11 m³/hr against a 50 m total manometric head, and it is self-priming, can run dry and handles water with relatively high solid content, which suits well-digging teams and WASH contractors. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

### Specifications

| Parameter | Detail |
|---|---|
| Pump type | Air-powered diaphragm pump, self-priming |
| Application | Dewatering during hand-dug well construction |
| Capacity (as listed) | 11 to 22 m³/hr at 50 m total manometric head (TMH) |
| Maximum capacity | 22 m³/hr |
| Flow rate at 50 m TMH | 11 m³/hr |
| Pump operating pressure | 9.5 bar |
| Duty features | Can run dry; handles water with relatively high solid content |
| Air supply | Air compressor on a two-wheeled trolley, working pressure 7 bar, fitted with a pressure safety valve |
| Drive | Compressor directly flange-coupled to a diesel engine |
| Engine | Air-cooled, direct injection; rope or recoil starter; engine speed governor |
| Fuel tank | Sufficient for 12 hours of continuous normal operation |
| Engine accessories | Oil-bath air filter, soundproof muffler, re-borable liners |
| Product code | SLE/WDF/18 |
| Supplied by | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

### What Is the Dewatering Pump Used For?

Digging a well by hand means working below the water table, where water keeps seeping into the shaft. The Dewatering Pump, 11-22 cbm/hr@50m TMH removes that inflow so the crew can keep excavating and lining the well. Its diaphragm design copes with muddy, sandy water that can quickly wear other pump types, and because it can run dry, it is not harmed when the shaft is pumped empty between inflows.

The pump is driven by compressed air rather than an electric motor. A diesel engine on the two-wheeled trolley drives the air compressor at the surface, so no mains power connection is needed at the

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