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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