

Superflow

AFRIDEV

DEEPWELL HANDPUMPS



visit us at : www.ashokasuperflow.com



★ **QUALITY IS OUR BUSINESS** ★

★ Manufacture by ★

ASHOKA INDUSTRIES, KANPUR

122/1 C Sarojini Nagar, Kanpur-208012

Phone Nos. : 00 91 512 2230024, 2296528, 2212543 Email : superflow@sify.com

AFRIDEV DEEP WELL HANDPUMP

Description

The AFRIDEV Pump is a conventional lever action handpump. The configuration includes an open top cylinder, i.e. the piston can be removed from the cylinder without dismantling the rising main. The footvalve is retractable with a fishing tool. The riser pipes are made of u-PVC. The pump rods are of stainless- or mild steel with hook and eye connectors, allowing removal without tools. Engineering plastics like POM and PA 66 are used for the pumping elements, plunger/footvalve and for the bearings. This pump is corrosion resistant in the stainless steel rod configuration.

Technical data

Cylinder diameter (mm):	50
Maximum Stroke (mm):	225
*) Approx. discharge at about 75 watt input m3/h:	
at 10 m head	1.4
at 15 m head	1.1
at 20 m head	0.9
at 30 m head	0.7
Pumping lift (m):	10 – 45
Population served (nos.):	300
Households (nos.):	30
Water consumption (lpcd):	15 – 20
Type of well:	borehole

Material

Pump head	galvanised steel
Handle	galvanised steel
Pump stand	galvanised steel
Pump rods	SS or galvanised steel
Rising main	u-PVC pipe 63 mm
Pump cylinder	u-PVC pipe 2 inch
Plunger/footvalve	Polyacetal POM

Local manufacturing

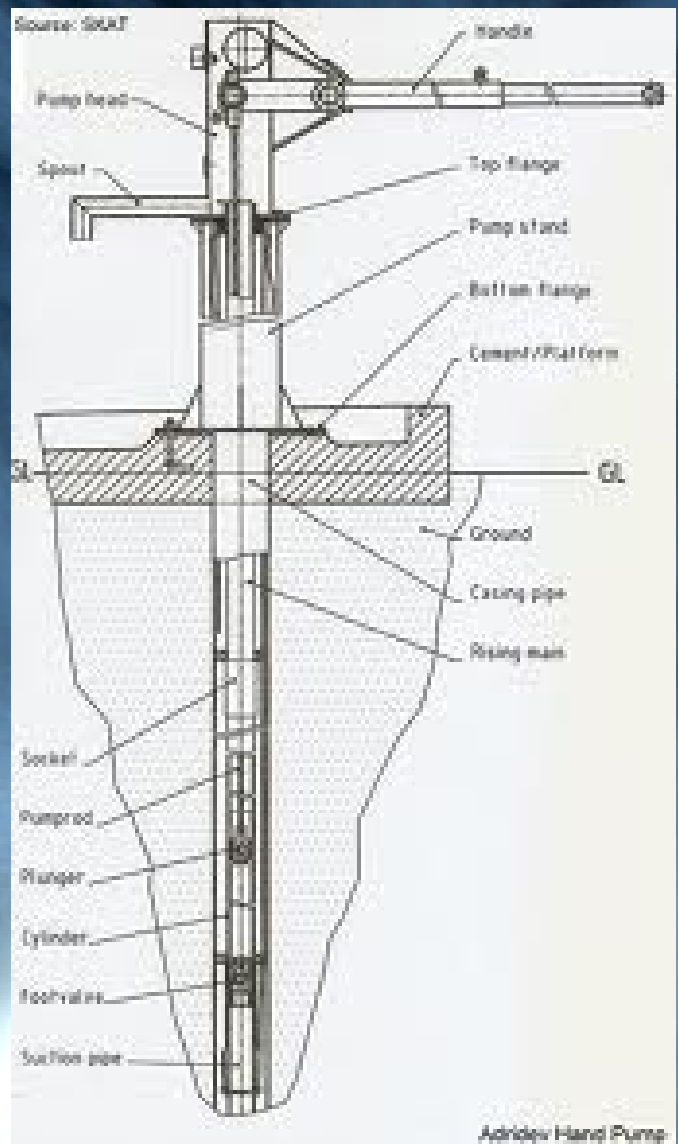
All steel parts of this pump have a potential for local manufacturing. Local companies who manufacture u-PVC pipes and have the knowledge of processing engineering plastics are able to produce the “down hole components”. The cost of the tooling requirement is substantial and therefore the number of manufacturer will be Limited.

Installation

The installation of the AFRIDEV Pump is not difficult and does not need any lifting equipment.

Maintenance

This pump has an excellent “Community Management Potential”, it is reliable, easy to repair by a village caretaker and popular with the communities. The only tools needed are one spanner and the fishing tool..



AFRIDEV DEEP WELL HANDPUMP