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The Afridev and Aquadev handpumps

The Afridev handpump has a number of design features that reduce the quantity of different types of spares required for maintenance.



The Afridev pump has an open top cylinder which uses a 'fishing' tool connected to the rods to remove the foot valve after the piston has been removed. The Aquadev pump is almost identical to the Afridev but it uses unique rod connectors and uses a fishing tool on a rope to remove the foot valve. Rod connectors on both pumps were originally designed to allow the rods to be easily disconnected without the need of a spanner. However, the hooked rods formerly used with the Afridev have often not performd well so many people specify traditional screwed rods. See http://www.rural-water-supply. net/en/implementation/public-domainhandpumps/afridev.

Identical plastic bearings are used for handle and rod pivots. These are corrosion resistant and easy to replace, usually every year.





rods for the Afridev (or to a piece of rope for the Aquadev)

Rope support safety device (see note at pumphead)

Suction tube/entry pipe. (Larger diameter than rising main to reduce inlet velocity and intake of sand)

Important features of the Afridev and Aquadev handpumps

For further information visit: http://wedc-knowledge.lboro.ac.uk/

