

## Specifications

### 1. Pump

- Cylinder assembly: PVC body and end caps.
- PVC-stainless steel plunger: fitted rubber cup washer.
- PVC foot-and discharge-valve plates.
- Large-diameter suction tube, reduces sand intake into cylinder.
- Lever-operated lift pump.

### 2. Drive head:

- Galvanized, fabricated mild steel head with stainless steel fittings.
- Long and heavy handle bar to counter balance the connecting rod weight.
- Welded bearing block with ball races that can be lubricated.
- PVC delivery cup, located in bracket to connect SBF-KATUR pipe system.
- Pump-head cover, secured with one screw to help keep contaminants out of the well.

### 3. General

- Complete set of operator manuals, English.
- 48 mm Ø PVC KATUR, corrosion-proof riser main, in standard 3m lengths.
- 10.8mm Ø x 3m stainless steel pump rods, with M12 threaded couplers.
- Separate assemblies for pump cylinder and drive head.
- Stroke length 150mm.
- Installation and maintenance toolkit, including special tools and spanners.
- Special foundation frame, in galvanized steel.
- 1-year spare part kit.

### Composed of:

#### A. HAND PUMP, submersible, raw water, Kardia K50VA, 4"

- Pump head and foundation frame.
- Pump cylinder: Kardia K50VA.
- Risers in lengths of 3, 1 or 0.5m, including the rods.
- Optional centralizers.
- Tool set, standard installation tool set, in a metal box.
- Tool set, special installation tool, installation clamp for riser pipe.
- Tool set, maintenance set.

**B. HAND PUMP, submersible, raw water, Kardia K65, 4"**

- Pump head and foundation frame.
- Pump cylinder: Kardia K65.
- Risers in lengths of 3, 1 or 0.5m, including the rods.
- Optional centralizers.
- Tool set, standard installation tool set, in a metal box.
- Tool set, special installation tool, installation clamp for riser pipe.
- Tool set, maintenance set.

See the maintenance guideline: <http://www.interaide.org/pratiques/content/livret-pour-la-maintenance-des-pompes-manuelles-kardia-sierra-leone>