

SAFE WORK PROCEDURES FLEXIBLE DRIVE PUMP



SPECIAL INSTRUCTIONS:

1. Always ensure that pump is suitable for the task – do not use impeller type pumps for heavy sludge or slurry with high quantities of solids.
2. Use internal combustion power packs only in well-ventilated areas – DO NOT USE petrol or diesel engine power units in poorly ventilated areas.

Sequence	Identified hazards	Key processes to be followed	Precautions / PPE required
1. Pre-start checks	Damage to parts Loose parts	Ensure that flexible drive connector is fully compatible with drive on engine unit. Ensure that flexible drive connector is correctly locked in position before use. Ensure that hose is undamaged and securely clamped to outlet spigot of pump head. Check that all mounting bolts and screws are in place and securely tightened.	Do not attempt to couple incompatible parts – do not use if faulty or damaged. Avoid hose being run over by traffic. Inspect regularly and tighten loose parts.
2. Set up of pump	Electric shock Harmful atmospheres Over-exertion/strains	Keep electric motor driven units clear of standing water and connect through RCD. Ensure that electric lead is kept off ground and out of water wherever possible. Keep internal combustion motors well clear of excavations and trenches to minimise risk of atmospheric contamination from poisonous exhaust gases. Exercise care when handling pump head and flexible hose and placing in position. Obtain assistance when lifting and carrying pump units where necessary.	Use only double insulated motors that are specifically designed for outdoor use. Place engine units 'downwind' of site to prevent fumes from entering work area. Lift unit by lifting handles only. Observe correct handling practices.
3. Operation	Trip hazard Environmental hazard Damage to pump parts	Position power unit such that flexible drive will not create trip hazard for workers. Place delivery hose so that it is not kinked or restricted when operating. Do not allow discharged water to pollute environmentally sensitive areas. Avoid 'dry running' of pump – switch pump off when water level is below intake slots of pump to prevent damage to impeller and housing.	Keep power unit clear of workers. Extend hose fully before commencing. Do not pump contaminated water into sewers, drains or waterways. Turn of pump when water level is low.
4. Cleaning and maintenance	Build up of contaminant	Flush pump and hose by running in 'clean' water to remove any mud from unit. Wash exterior of pump and keep motor units clean of dirt and waste in cooling fins. Follow manufacturer's instruction when servicing pump and flexible drives.	Don not allow mud and contaminant to dry out in pump or hose. Use correct lubricants in pump units.

PRECAUTIONS:

The following precautions are to be observed in areas where these procedures are carried out.

