

## PROCEDURE FOR CLEANING AND FLUSHING WITH TRAVAINI TVP DESCALER

When water scale, lime, mud and rust accumulates on the water side of a liquid ring vacuum pump, this not only drastically reduces capacity and overall efficiency but also increases power consumption and ultimately causes the pump to lock up and the electric motor to cut out on overload.

Normally the pump would have to be disassembled and the scaling or rust to be removed from all the internal parts by hand, which is very time consuming. For this reason we have made available TVP DESCALER as a simple non-corrosive, no toxic biodegradable solvent which gives excellent results in a fraction of the time.

In order to remove the water scale, lime, mud, and rust from the internal parts of the pump and associated piping, the following instructions should be followed.

1. Take unit out of service.
2. Remove all drain plugs and allow all water to drain from pump casing. Replace drain plugs.
3. Remove discharge piping.
4. Break seal water piping, drain and close isolation valve.
5. Fill pump completely with TVP DESCALER and allow to sit for a minimum of two – three hours.
6. During this period, rotate the impeller 90 degrees by turning the shaft by hand every 15 minutes.
7. After three hours the pump should be clean and the rotor should turn freely by hand.
8. Drain the pump and flush with water until all residues have been removed.
9. Re-install drain plugs and piping, open seal water isolation valve and run pump for a minimum of 10 minutes to thoroughly flush pump.
10. Pump is now ready for service.