



Service Letter

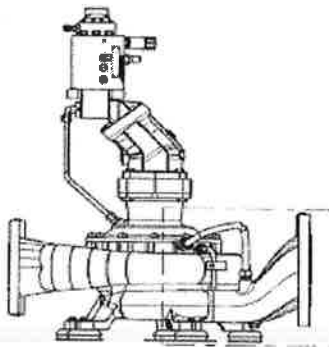
MSL-0017

Framo standard pumps – Cofferdam warning sign



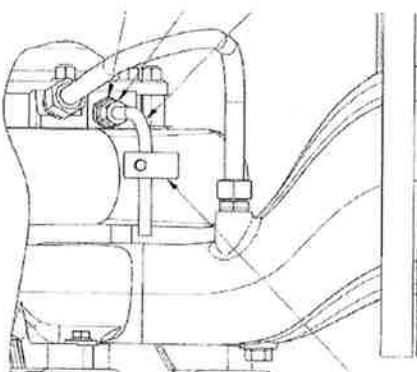
The Framo standard pumps type MA / MB as well as type 4VF-1 are mainly used as tank cleaning pumps on all vessels equipped with Framo cargo pumping system. In addition we have delivered VH pumps as dry mounted ballast pumps on smaller vessels.

New sign



All these pumps are equipped with an atmospheric cofferdam segregating the hydraulic oil side from the water side. Since 2004 we have installed a small vent pipe in the connection port at the cofferdam housing. Before 2004 the pumps were delivered without pipe and the connection port left open.

MA/MB pump



Unfortunately we have several times seen this cofferdam port being plugged due to either water or hydraulic oil leakages. This might in worst scenario result in contamination of the hydraulic system by sea water or hydraulic oil into the ballast water.

In order to reduce the risk of this happening we have made up a warning sign which we strongly recommend is being attached to the cofferdam vent pipe or to the cofferdam housing.

Detailed vent pipe arrangement

We have included a certain numbers of warning signs which we trust you will distribute to your vessels which have subject pumps installed.