



**INSTALLATION AND OPERATING
INSTRUCTIONS FOR MMF MOTORS**

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1. Installation of Linde MMF Motor must be carried out according to the circuit and piping diagram.
2. Positive venting is vital for the correct operation of the hydraulic motor. THE MOTOR HOUSING MUST BE COMPLETELY FILLED WITH OIL BEFORE IT IS OPERATED. Venting must be done from the highest vent port depending on mounting orientation.
3. Pipework should be seamless drawn precision steel tube to DIN 2391/C, or hose of suitable rating.
4. Cleanliness of the circuit BEFORE commissioning is crucial to the start up and operation of the hydraulic motor and will influence life expectancy.
5. Filling the hydrostatic transmission must be done in such a way as to purge ALL the air from the system before the system is operated. Oil should be introduced into the reservoir and hydraulic system through a filtering device to insure maximum cleanliness protection.
6. Initial operation should permit the motor to rotate without load, slowly at first. As the system purges itself of air and as the machine warms up, steadily increasing loads with increasing speeds can be applied to the motor.
7. Maintenance of the motor should typically be limited to changing the system's oil filter and fluid. The high pressure lines should not be opened! After initial start-up the filter should be changed at 100 hours and every 500 hours afterwards. Changing of the hydraulic fluid should be done after 1000-2000 operating hours depending on the application. The instructions regarding the initial fill also applies when changing the oil.
8. Linde recommends using only premium grade hydraulic oil which are confirmed by their manufacturer as suitable for high pressure hydraulic systems with a viscosity of approximately 300 sus @ 100F. Minimum allowable viscosity is 50 sus at any time. Maximum allowable operating temperature is 210F.
9. Service repair should only be undertaken by skilled personnel who are familiar with the equipment. Only spare parts shown in the Linde spare parts catalog should be used.