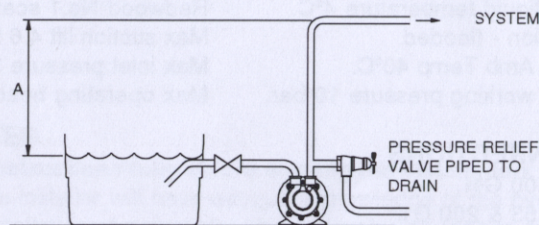


MAXIMUM OPERATING HEAD

	Max. operating head at zero static inlet head
Pump type	Dim A
RG100	6 bar
RG153	5.5 bar
RG202	6.9 bar



Max. operating head chart

These pumps must never be run above the maximum operating head as stated in the above chart and on the pump identification label. To ensure this can never occur an appropriately rated pressure relief valve set to the maximum operating head should be fitted close to the pump in the discharge pipework. The above chart states the maximum operating head when there is NO positive or negative inlet heads on the pump.

Whatever the inlet head conditions, positive or negative, it should be reasonably constant.

Maximum positive inlet head = 30m (3 bar)

Maximum suction lift 4.6m (.46 bar).

Pressure relief valve settings will increase in direct relationship with positive static inlet heads eg:-

Maximum operating head + static inlet head = pressure relief valve setting.

Pressure relief valve settings will decrease in direct relationship with suction lifts eg:-

Max operating head - suction lift = pressure relief valve setting.

ELECTRICAL INSTALLATION



Before starting work on the electrical installation ensure the power supply is isolated.

The single phase pumps are suitable for a supply of 230V - 1 Phase - 50Hz. The pump must be permanently connected to the fixed wiring of the mains supply via a starter complete with suitably sized thermal overload.

Three phase pumps are suitable for a supply of 400V - 3 Phase - 50Hz and should be connected via a starter complete with suitably sized thermal overload.

The starter to which the pump is connected should be mounted in an easily accessible position and labelled if confusion is possible to allow easy isolation of the unit.

WIRING

Cable selection and corresponding fuse size should be chosen in accordance with the current involved/surrounding conditions. For information on cable fitting consult the wiring diagrams. All electrical installation work should be carried out by a competent person.

WARNING: This appliance must be earthed.

COMMISSIONING

Peripheral pumps should never be allowed to run dry. Before operating the system, both pump and pipework should be primed. Vent plugs are fitted as standard on all models. To prime, release the vent plug until all air is expelled and liquid emerges from the threads then re-tighten. Check pressure relief valve is correctly set. Further checks should be made for leaks and when all is satisfactory the electrical supply to the pump may be switched on.

Ensure pump is rotating in correct direction (anti-clockwise when looking on pump end).



WARNING: The motor casing can become very hot under normal operating conditions, care should be taken to ensure it cannot be touched during operation.

NOISE

The equivalent continuous A-weighted sound pressure level at a distance of 1M. from the pumpset is as follows:-

RG100 - 78dB(A)

RG153 - 83dB(A)

RG202 - 83dB(A)

LIQUID SUPPLY: Always ensure that water storage capacity is adequate to meet the demand. Ensure the pump chamber is full of water before starting the pump. Failure to do this could result in seal damage.

MAINTENANCE



No routine maintenance is required, but provision should be made for easy access to the pump to allow for repairs due to normal wear and tear. Isolate the pump from the electricity supply, turn off liquid supplies to the pump and release pressure by opening liquid outlets before

attempting repair.

All pumps are fitted with a mechanical seal which may leak. Appropriate precautions must be taken in consideration of this to ensure any spillage is contained.

STORAGE

If this product is not installed immediately on receipt, ensure that it is stored in a dry, frost and corrosion free location in its original packaging.