

# SCRSE 15/15-65

## ELECTRONIC SAVING CIRCULATION PUMPS

### Energy-saving d.h.w. SCRSE 15/15-65 circulation pumps

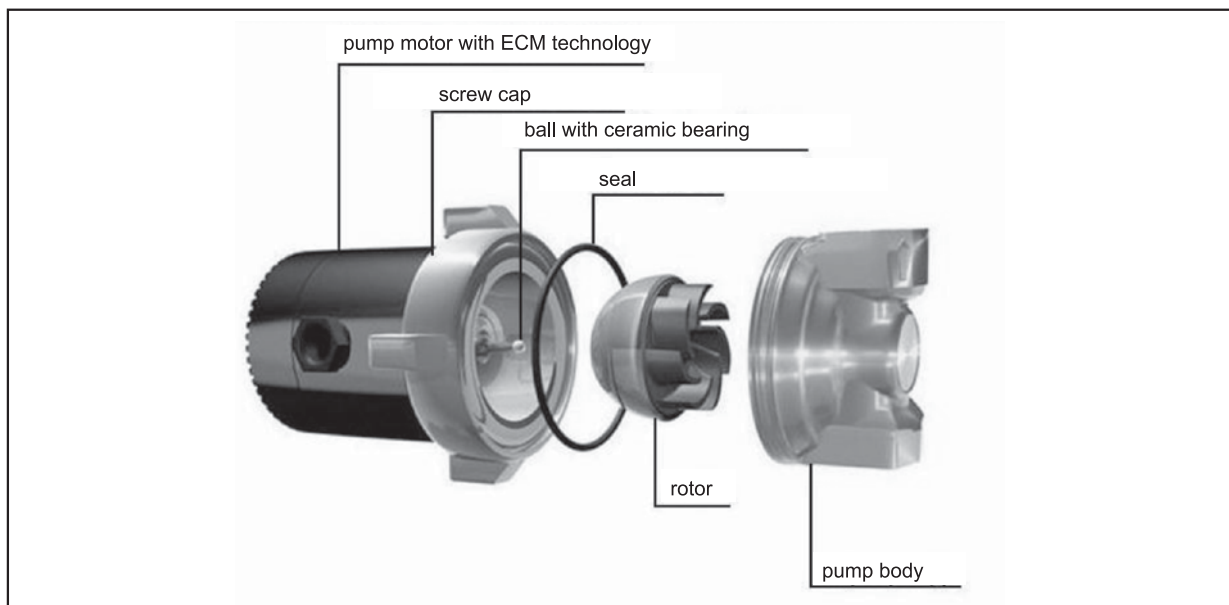
#### SPHERICAL MOTOR SOLUTION

Circulation pumps are installed in domestic hot water circulation installations. Thanks to the circulation process, hot water is available in any room immediately after opening the faucet. SCRSE 15/15-65 pumps have been designed to be used at single family and multi-family houses. Thanks to domestic hot water circulation the water consumption is considerably reduced. Circulation pumps are first of their kind which run on 8 W only. In comparison with conventional pumps energy consumption is reduced by 68%. It became possible thanks to the combination of a spherical motor and ECM technology (Electronically Commutated Motor). Domestic hot water circulation pumps are high-efficiency pumps. Thanks to the ECM technology you can save energy while maintaining the same power. The secret of improved efficiency is the spherical magnet rotor. Instead of being initiated each time, the magnetic field of the rotor is present in the pump since the very beginning. A microprocessor located in the pump initiates variable frequency magnetic field inside stator coils, which sets the rotor in motion. The starting torque, and consequently the safety of users, has improved in comparison with conventional pumps.

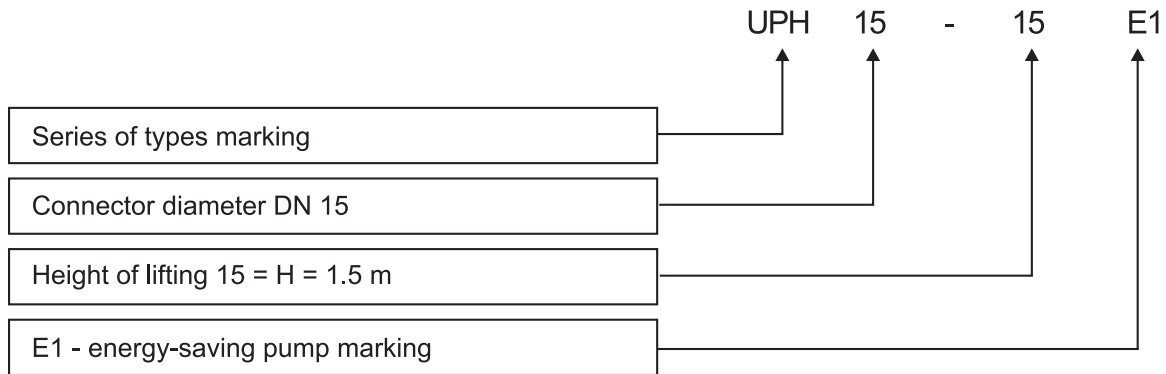
ONLY 8W!



#### Construction of SCRSE 15/15-65 circulation pump



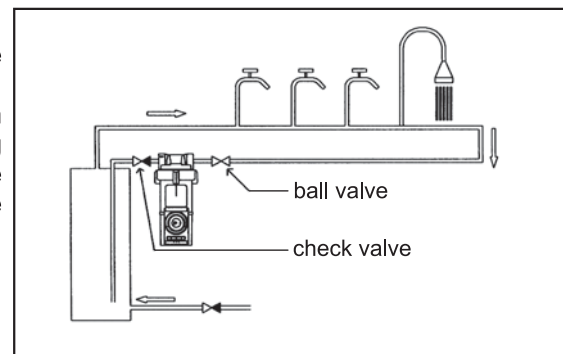
### Pump marking



### Pump mounting

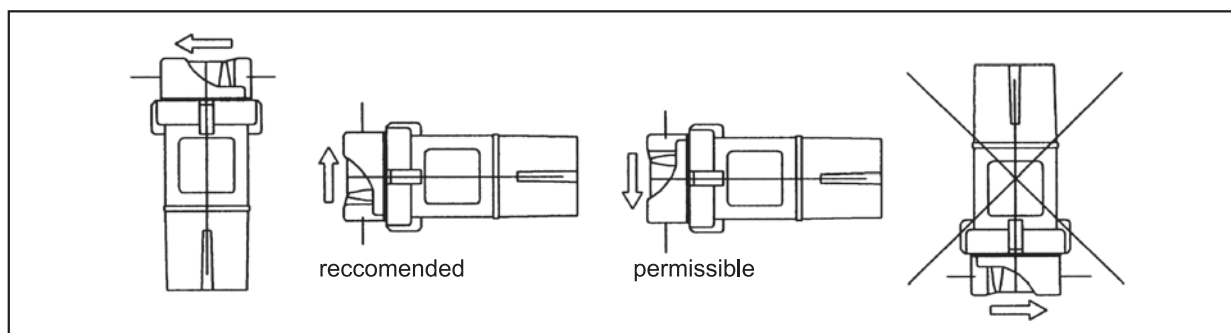
The pump has to be mounted on a circulation pipe, preferably just before the boiler / d.h.w. tank, so that the water from the last place can be pumped again.

The check valve **has to be** mounted behind the pump (on the delivery side). This prevents the water from going back to the pump. Whereas the ball valve should be mounted on the suction side in order to make maintenance easier.



### Pump mounting permissible ways

The pump must be mounted in a way, so that the pumping is turned **upwards or horizontal** (at the same time the pump motor has to be turned downwards). Possible ways of mounting are shown on the following figures. Each pump has to be vented before start-up. In order to vent the pump you need to use the brass nut, which joins the pump body with the motor.



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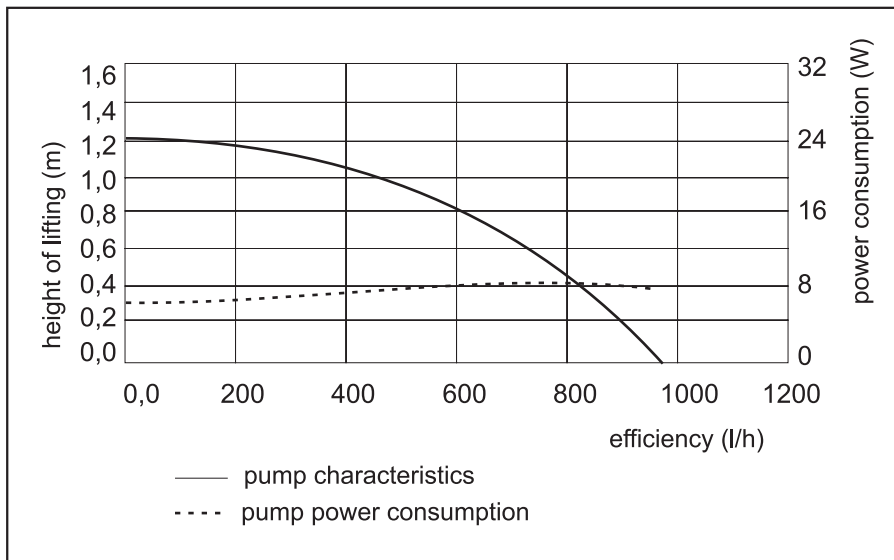
## Technical data

### Pump

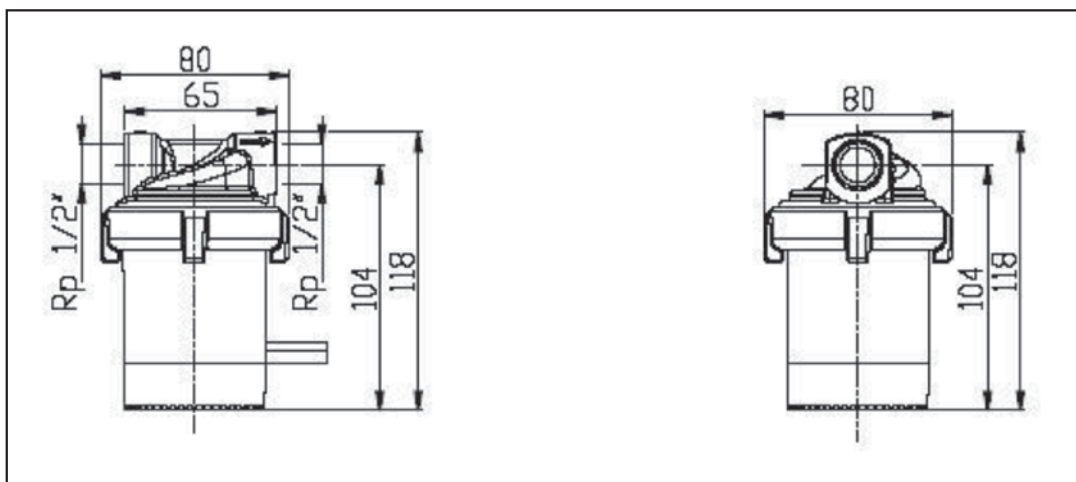
medium: water  
 max. lifting height: 12 kPa  
 max. flow: 0.95 m<sup>3</sup>/h  
 max. pressure: 10 bar  
 operating temperature: -10°C to 110°C  
 connection: R 1/2" GW  
 installation length: 65 mm

### Pump motor

motor type: ECM spherical magnet rotor  
 operating voltage: 230V, 50Hz  
 power consumption: 8 W  
 protection type: IP44/F



## Dimension illustration



### SCRSE 15/15-65

Pump type	Connection	Length Pumps [mm]	Dry-running protection	Safety thermostat 55°C	Safety thermostat regulated
SCRSE 15/15-65	1/2" GW	65	-		