



HYDROMASTER from 40 to 1000 kW

Equipment for semi-instantaneous production of DHW

DHW PRODUCTION CAPACITY: Wide range of equipment for semi-instantaneous production of DHW, power ratings from **40 to 1000 kW**.

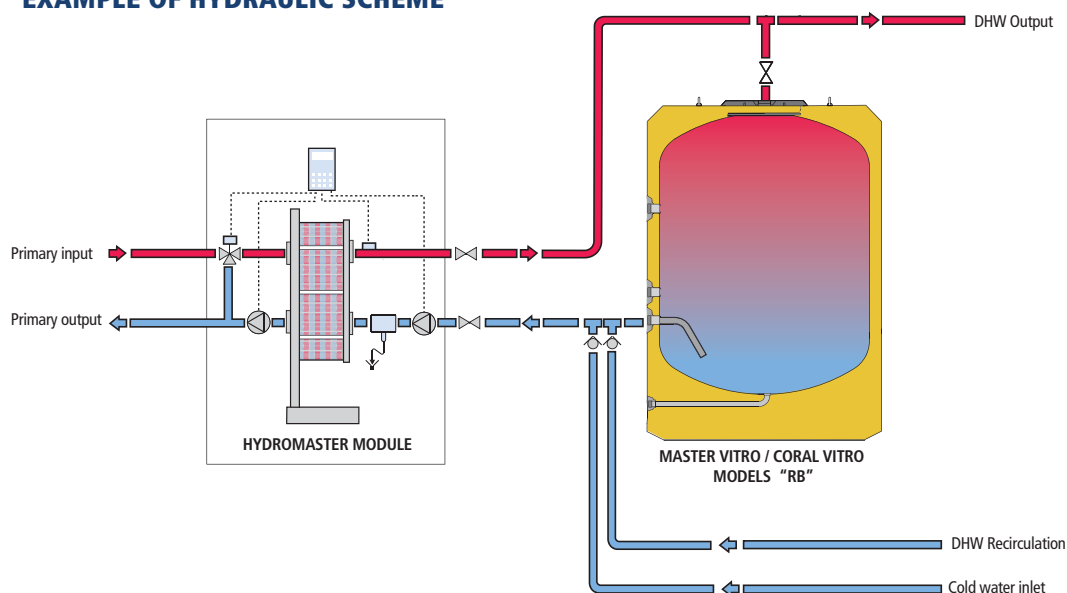
COMFORT: Immediate availability of DHW, in combination with storage tanks **"RB"**.

LONG USEFUL LIFE: High performance plate heat exchanger in **stainless steel AISI-316**.

ANTI-LEGIONELLA FUNCTION: Integrated programming for the periodical anti-legionella treatment via thermal shock.

REDUCED SPACE: Ideal for installations in reduced space, with high requirements for DHW production.

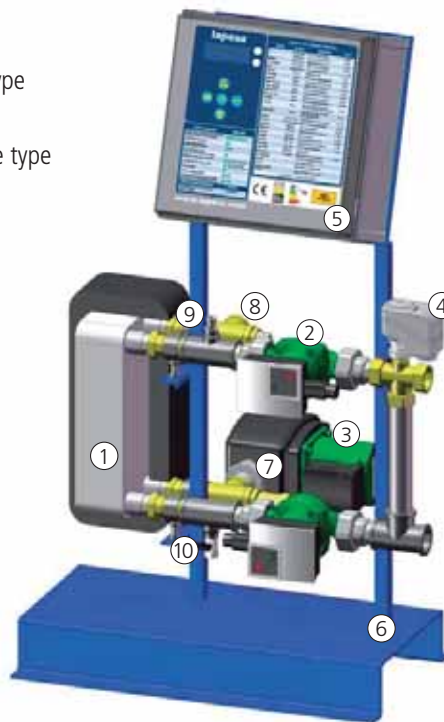
EXAMPLE OF HYDRAULIC SCHEME



HYDROMASTER

COMPONENTS:

- 1- **Plate heat exchanger** AISI-316L with heat insulation
- 2- **Circulation pump for primary circuit** high performance type (class A) with variable speed
- 3- **Circulation pump for secondary circuit** high performance type (class A) with variable speed
- 4- **Three way valve** with servomotor in primary circuit
- 5- **Multifunction screen** for programming and data display. Electric box IP55, 240V 50Hz monophasic
- 6- **Frame made** of steel with RAL 5010 blue finishing
- 7- **Safety valve** 7 bar with thermometer in secondary circuit
- 8- **Probe** DHW
- 9- **Purge**
- 10- **Drain**



FEATURES:

- **Anti-legionella** programming via thermal shock
- **ECO mode** for automatic stop of primary circuit pumps
- **BOOST mode** for prompt power increase in DS model

OPTIONAL:

- Models ECO including heat exchanger with detachable plates
- Expanded control unit with MODBUS, LON and BACNET connections
- Power rating up to 1000kW available
- Other primary temperatures, please consult

HYDROMASTER MODELS SS - DS - DD

Primary 80/45°C Secondary 55/10°C	Power (kW)	Plate heat exchanger	Length (mm)	Width (mm)	Height (mm)
HMSI40SS80 ECO	40	Compact	588	490	985
HMSI70SS80 ECO	70	Compact	588	490	985
HMSI110SS80 ECO	110	Compact	588	490	985
HMSI170SS80 ECO	170	Compact	588	490	985
HMSI240SS80	240	Detachable	700	525	1030
HMSI310SS80	310	Detachable	700	525	1030
HMSI400SS80	400	Detachable	700	525	1030
HMSI470SS80	470	Detachable	700	525	1030

SS model: Single pump on primary side, single pump on secondary side. Semi-instantaneous DHW production
DS model: Double pump on primary side, single pump on secondary side. Semi-instantaneous DHW production
DD model: Double pump on primary side, double pump on secondary side. Semi-instantaneous DHW production
 Instantaneous DHW production: please consult