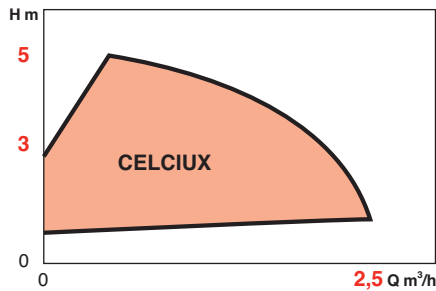


## OPERATING LIMITS

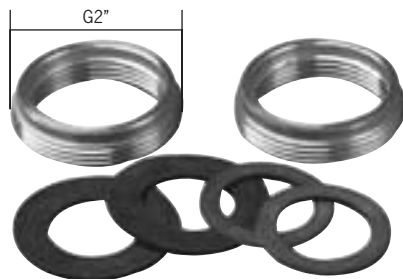
Flow rates up to:	2,5 m <sup>3</sup> /h
Heads up to:	5 m
Max. operating pressure:	10 bar
Max. loop temperature:	+ 60°C*
Max. ambient temperature:	+ 40°C
Water hardness (TH):	35°F
DN ports:	DN 25

\* + 110°C for the circulator



## ADVANTAGES

- **Energy Saving**  
(ECM Technology – P1 min 5,8 W)
- **Reliable**
- **Easy setting**
- **Simple and Fast installation**
- **Water quality preserved**



• Adaptation rings ØG1<sup>1/2</sup>" - 2" Réf. 4051850

# CELCIUX

## HIGH EFFICIENCY CIRCULATORS

**Bronze pump casing**  
**Secondary hot water**  
**50Hz**



## APPLICATIONS

Hot water accelerated circulation in distribution loops.

- Industrial systems.
- Solar circuits.
- Domestic installations and small commercial installations.

**Hot water on opening tap.**



• Celciux

# CELCIUX

## DESIGN

### • Hydraulic part

- Bronze pump casing with threaded ports for mounting directly on pipework.

### • Motor

- Single phase, wet rotor.  
 - Bearings lubricated by pumped liquid.  
 - Self-regulating, adapts to the pressure required by the installation.  
 - Self protected by impedance, requires no external protection system.  
 - Synchronous motor using E.C.M. (Electronically Commuted Motor) technology, fitted with a permanent magnet rotor. The rotating magnetic field of the stator is generated by electronic switching of the coils.

This rotating field creates a continuous torque through the attraction of the unlike magnetic poles of the rotor, controlling its position (synchronous motor).

This gives the motor optimum performance at any speed.

Protection index : IP 44  
 Maximum temperature of pumped liquid : TFT 110  
 CEM compliance : - emission 61000-6-3  
                           - immunity 61000-6-2

## ENERGY-SAVING

High efficiency circulators, with optimization of the operating point.  
 Energy savings of up to 80% compared to a traditional circulator.

## IDENTIFICATION

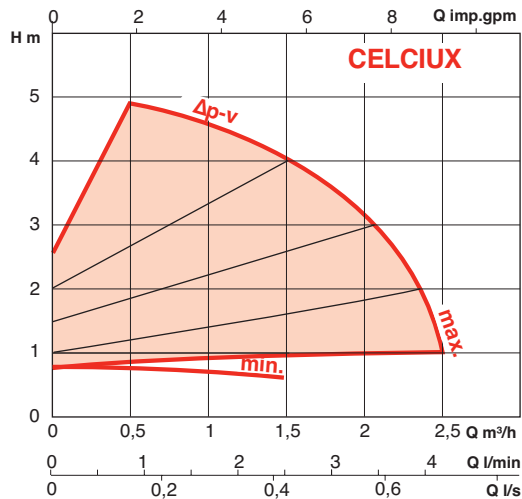
### CELCIUX

Secondary hot water applications  
 Bronze pump casing  
 H max : 5 m  
 DN 25  
 180 mm between threaded ports

## STANDARD CONSTRUCTION

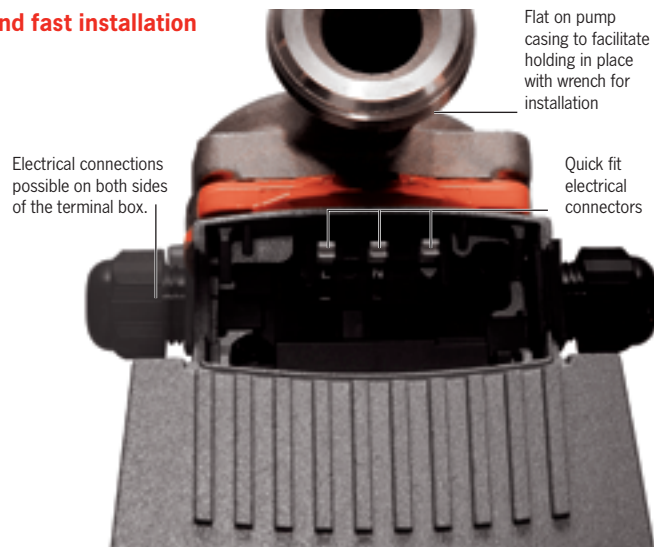
Main parts	Material
Pump casing	Bronze
Impeller	Composite
Shaft- air gap sleeve	Stainless steel
Impeller neck ring	Stainless steel
Bearings	Graphite
Seals	Ethylene-propylene

## HYDRAULIC PERFORMANCE



## INSTALLATION

### • Simple and fast installation



## SETTINGS

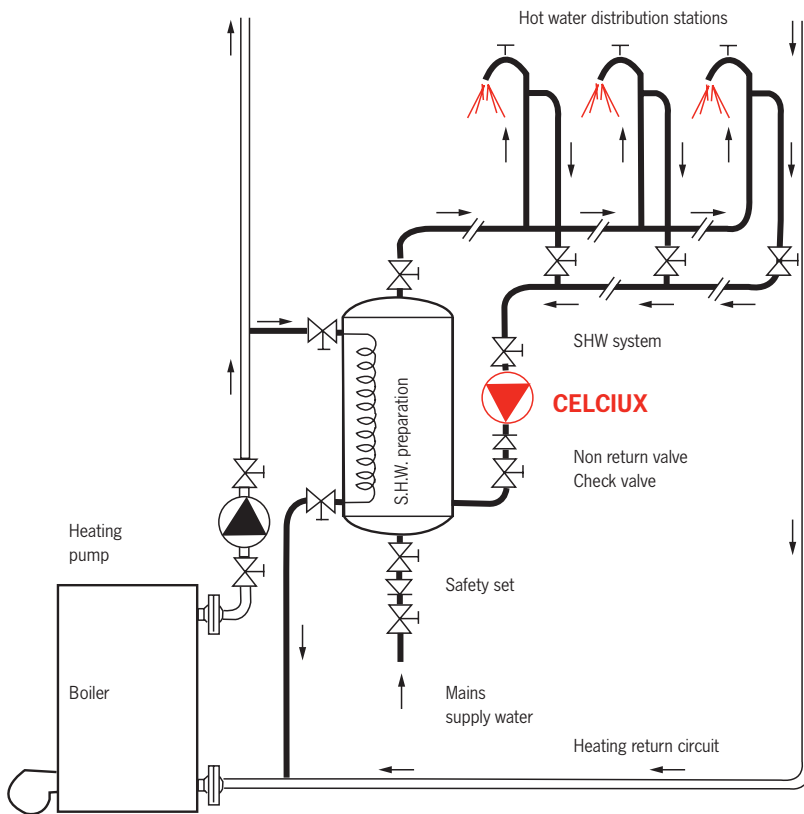
### ONLY ONE SETTING KNOB.



The knob of the selector switch situated on the front of the terminal box allows you to select the hydraulic curve suiting with the needs of the installation.

The numbers 1 to 5 indicate the manometric head in meters. Any intermediate position can be selected.

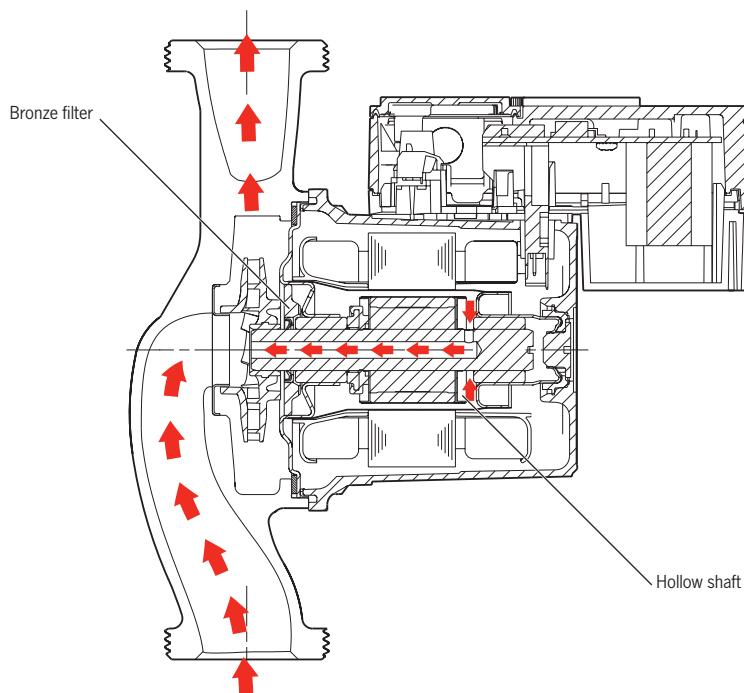
## INSTALLATION DIAGRAM



### Domestic hot water distribution loop

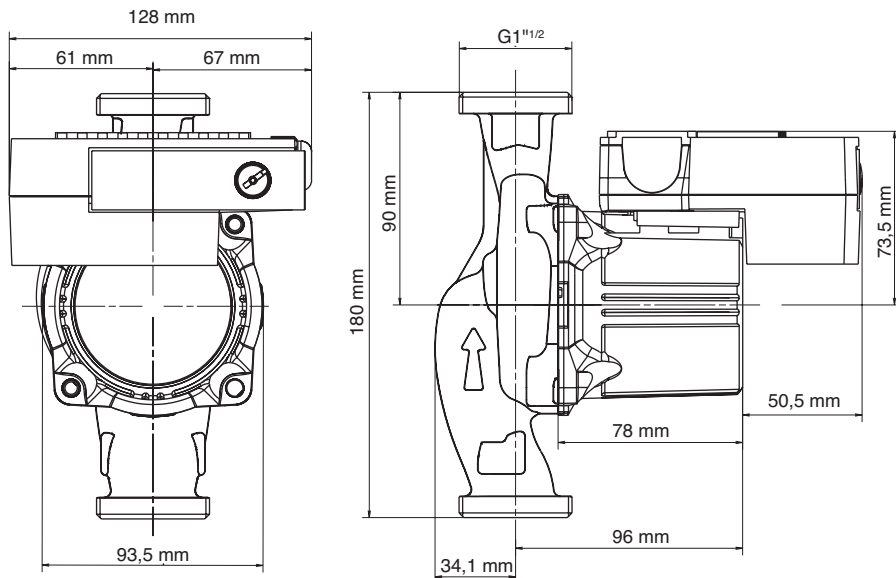
- Loop maximum temperature 60° C (according to Standard Local Rules)
- Recommended flow speed between 0.5 and 1 m/s maximum
- Circulator assembled on the backflow of the loop, after the drawing points.

## SECTIONAL VIEW



# CELCIUX

## ELECTRICAL DATA AND DIMENSIONS



## FEATURES

### a) Electrical

- Single-phase, 230-V, 50Hz (60Hz) , with capacitor built into terminal box.
- Motor protection circuit-breaker not required.

### b) Installation

- Motor shaft always horizontal.
- Installation using union fittings.

### c) Packaging

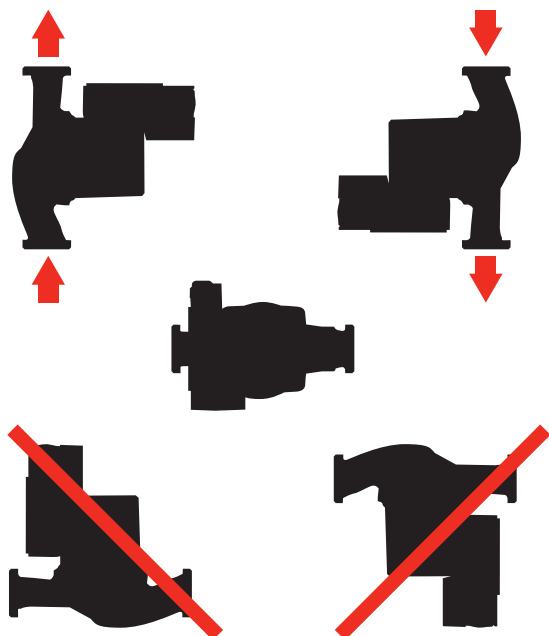
- Supplied with seals, without union fittings.

### d) Maintenance

- Standard exchange of circulator.

ORDER REFERENCE	MOTOR						PUMP				weight (kg)
	Speed (rpm)		P1 (W)		I1 (A)		Body casing length	(connexion on threaded pipe)			
	Min	Max	Min	Max	Min	Max		Ø 3/4"	Ø 1"	Ø 1 1/4"	
CELCIUX	1 400	3 500	5,8	59	0,07	0,46	180 mm	RED 2027 n° 61361	RU 2634 n° 61362	RU 3342 n° 58 672 + Adaptation rings n°4051850	2,9

## FITTING POSITIONS



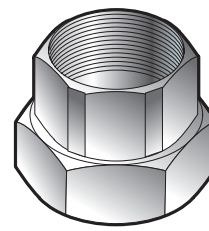
## ACCESSORIES



• Adaptation rings ØG 1"1/2 - 2"  
Réf.: 4051850



• Union with valve  
RU 2634 - Réf.: 4063825



• Union