

*Regulus*

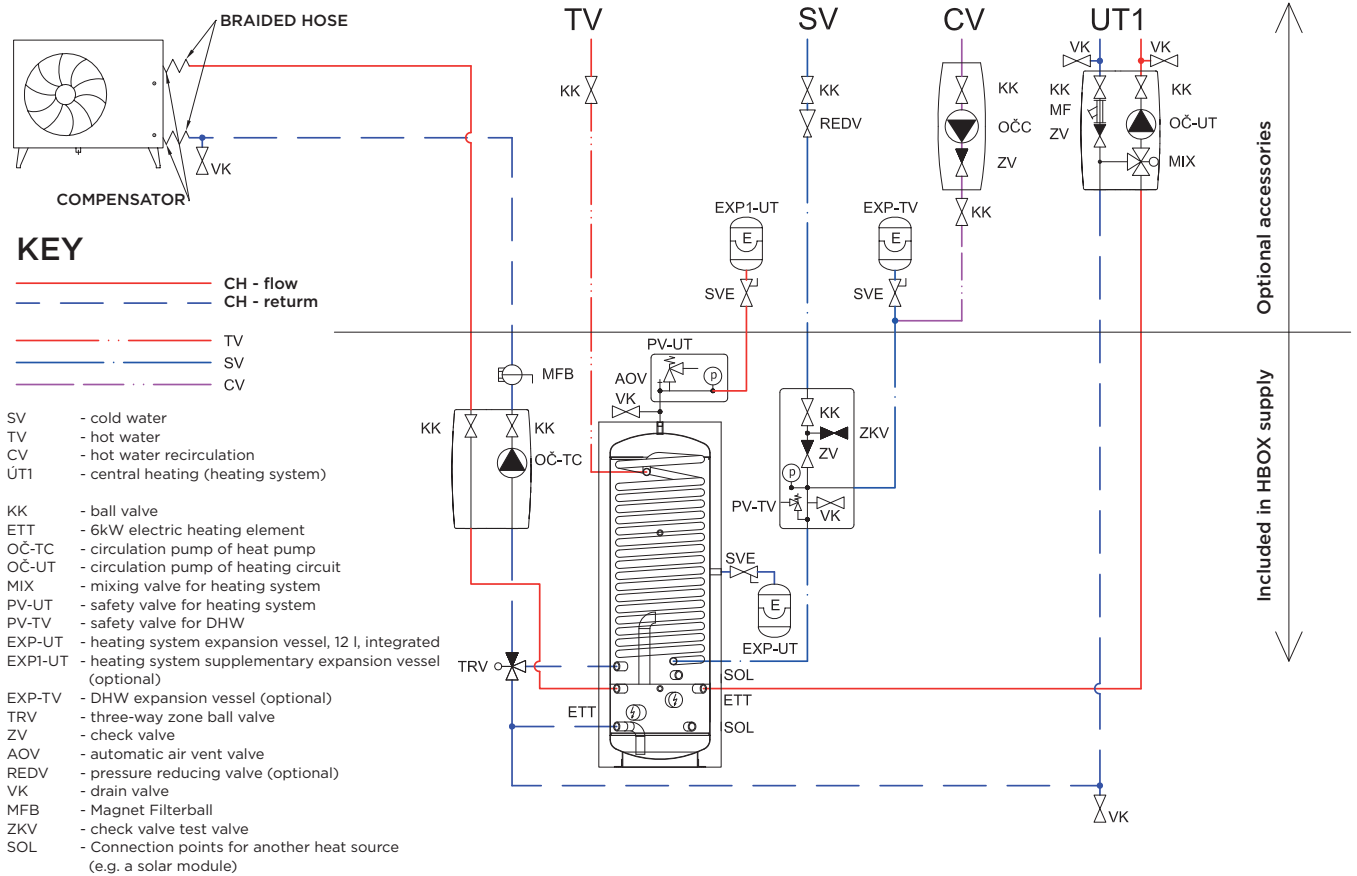
Regulus**HBOX**



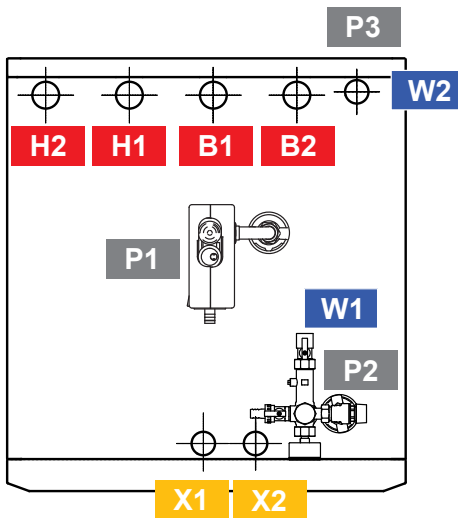
**Indoor Unit  
with DHW Heating**

# INDOOR UNIT WITH DHW HEATING

## Hydraulic Layout



## Connection points



Pos.	Description	Connection	Height [mm]
W1	Cold water	G 3/4" F	1755
W2	Hot water	G 3/4" M	1700
B1	Incoming from heat pump	G 1" M	1700
B2	Return to heat pump	G 1" M	1700
H1	Flow to heating system	G 1" M	1700
H2	Return from heating system	G 1" M	1700
P1	Safety group - heating	G 1" M	1705
P2	Safety kit - DHW	G 3/4" Fu	1725
P3	Waste pipe from safety valves	hose, DN 20	1600
X1	Incoming from solar thermal system (optional)	G 3/4" M	1700
X2	Return to solar thermal system (optional)	G 3/4" M	1700

Pump station for heat pump circuit with Wilo Para 25/8 iPWM1 circulation pump.

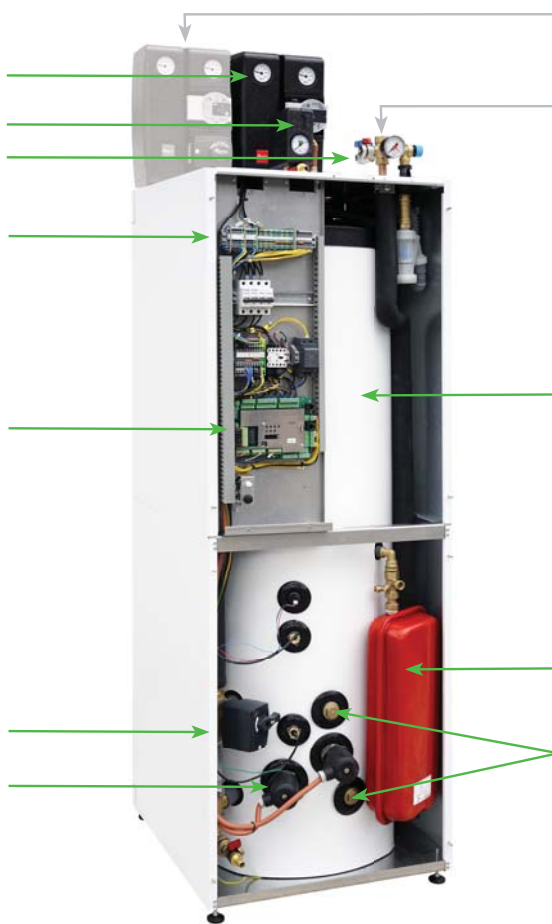
Heating system safety group  
Safety kit

Electric wiring incl. terminal block for easy connection of a heat pump and other accessories incl. basic element protection.

IR RegulusHBOX Controller

Three-way zone ball valve for heat pump switching between space and DHW heating.

Heating elements of 12 kw output, switched in 2 kW steps



Connection points for heating circuit pump station (not included in supply - see accessories 1a, 1b).







Connection point for DHW recirculation pump station (not included in supply - see accessories 2).

HSK combination thermal store of 210l total volume, divided by a tight separating partition in the ratio 49l (heating), 140l (DHW heating), 21l (stainless-steel heat exchanger).

12l heating system expansion vessel

Connection points for auxiliary heat sources (see accessories 3a for solar thermal system, 3b for fireplace)

## ACCESSORIES

		CODE
1a	 CSE2 F MIX Pump Station for mixed heating circuit, twin-line	see <b>Catalogue</b> *
1b	 CSE OTS Pump Station for unmixed heating circuit, single-line	see <b>Catalogue</b> *
2	 CSE TV Pump Station for DHW recirculation	<b>18997</b>
3a	 Solar module for connection of a solar thermal system - kit with a plate heat exchanger w. circulation pump, solar pump station and connecting piping	<b>20031</b>
3b	 Anti-scald valve	<b>11057</b>
4	 Blind plug and frame for RegulusHBOX - for installations where the control unit is used as a room unit	<b>18248</b>

\*Various variants available, see Catalogue.

When installed with one heating circuit, the pump station installs directly on RegulusHBOX.

For installations with multiple heating circuits, a manifold shall be used.

# RegulusHBOX

Indoor unit w. DHW heating.

RegulusHBOX CTC is intended for installation with CTC EcoAir 614M & 622M and EcoPart 612M & 616M inverter heat pumps.

RegulusHBOX RTC is intended for installation with single-phase RTC heat pumps.

The unit is designed for heating systems with one or multiple heating circuits fitted with own circulation pump(s). When installed with one heating circuit, the pump station installs directly on RegulusHBOX. For installations with multiple heating circuits, a manifold shall be used.

A solar thermal system or another heat source can be connected to the unit using optional accessories.



- Designed for connecting inverter heat pumps.
- Continuous DHW heating.
- Electric boiler 2-12 kW, pressure transducer, circulation pump.
- Smart controller permitting connection to the Internet, with a control display that can be moved to a living area where it can act as a room temperature & humidity sensor.
- With RTC heat pumps, cooling into floor, walls or ceiling is possible.

## TECHNICAL DATA

### RegulusHBOX

Dimensions	width	[mm]	595
	height	[mm]	1725 (without pump stations and safety groups connected)
	depth	[mm]	650
Weight		[kg]	148
Heating water volume		[l]	49
Output of el. heating elements		[kW]	2-12

### Code: 20026

RegulusHBOX 212 CTC 3/3  
for EcoAir & EcoPart heat pumps

### Code: 20029

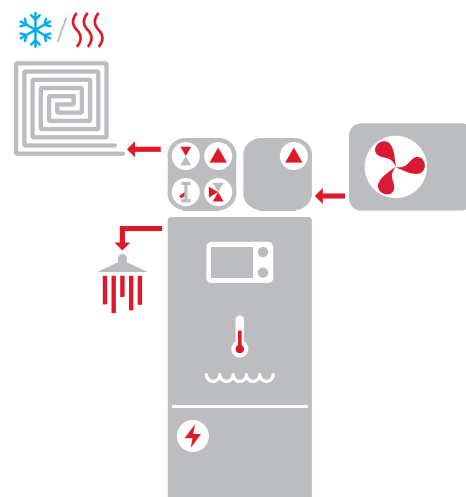
RegulusHBOX 212 RTC 3/1S  
for RTC 6i & 13e heat pumps

## VOLUME OF SUPPLIED DHW (heated from 10°C to 40°C)

Heated volume	entire			entire		
Backup heating	10 kW			none		
Flow rate [l/min]	8	12	20	8	12	20
Temperature in tank	60 °C			60 °C		
Hot water volume [l]	362	250	185	170	163	110
Temperature in tank	50 °C			50 °C		
Hot water volume [l]	156	128	87	114	82	64

## CONNECTION EXAMPLE

RegulusHBOX combined w. a heat pump in systems for space and DHW heating.



REGULUS spol. s r.o., Czech Republic

E-mail: sales@regulus.eu

regulus.eu