

With the aim of improving our units, Friulair provided the replacement of the electronic controller on the CWE and HWE series.

The replacement involves switching from the MCX06 controller to the C-PRO 3 NANO controller model.

Current MCX06



New C-PRO 3 NANO



All information regarding the new C-PRO 3 NANO controller are available in the BULLETIN BULC180010 of April 2018.

The change of the electronic controller also involves the modification of the options and accessories available for the CWE and HWE series.

CURRENT OPTION CWE & HWE SERIES (MCX06 controller)	INITIAL
Single P2 Pump	P2
Single P3 Pump	P3
Single P5 Pump	P5
Double P2 Pump	D2
Double P3 Pump	D3
Double P5 Pump	D5
No-ferrous water piping for single pump units	WP [1]
No-ferrous water piping for double pump units	WD [2]
Pressurized water tank	TP [3]
Non ferrous pressurized water circuit (AISI304 stainless steel water tank)	TP2 [3]
Pressurized water tank with double pump housing	TPI [3]
Non ferrous pressurized water circuit for double pump housing (AISI304 stainless steel water tank)	TPI2 [3]
Open circuit kit (Additional water tank)	TA [4]
Non ferrous atmospheric water circuit (plastic material water tank)	TANF [5]
Disconnecter tank with P2 Pump	X2
Disconnecter tank with P3 Pump	X3
Disconnecter tank with P5 Pump	X5
Water level switch	LS
Automatic water filling kit	WF
Automatic water bypass	BA
Threaded water connections (GAS/NPT)	WC2
Stainless steel threaded water connections (GAS/NPT)	WC2I
Solenoid valve	VL [8]
Evaporator anti freeze heater	RA1
Evaporator and pump anti freeze heater	RA2
Evaporator, pump and tank anti freeze heater	RA3
Electrical switchboard anti-condensation resistor	RS
Water double setpoint – single thermostatic valve with solenoid valve	W1
Electronic thermostatic valve	VE
Condensing control: Continuous speed (Phase cut)	CA
Condensing control: Electronic fans	CE
Condensing control: Low ambient temperature kit	CL [7]
Wind baffles	FWB
Remote panel	ER

Cataphoresis treatment for condensing coil	OEC [6]
Condenser copper - copper	OCC [6]
Rubber anti-vibration mountings for no tank units	FA1
Rubber anti-vibration mountings for units with tank	FA2
Wheels	FW
Wooden basement	PWB
Wooden crate	PWC
Heating resistors	RH [6]

[1] WP option provides EPDM piping and AISI304 stainless steel connections. Combine WP with an option P2, P3, P5 but it's not available with TP, TP2, TPI, TPI2, TA.

[2] WD option provides EPDM piping and AISI304 stainless steel connections. Combine WD with an option D2, D3, D5 but it's not available with TP, TP2, TPI, TPI2, TA.

[3] To combine with an option P2, P3, P5, D2, D3, D5.

[4] To combine with an option TP, TP2, TPI, TPI2.

[5] To combine with an option P2, P3, P5.

[6] Contact our company.

[7] Include EC fans, wind baffles, electrical switchboard anti-condensation resistor and liquid reciver.

[8] Solenoid valve as standard for all heat pump units (HWE).

NEW OPTION CWE & HWE SERIES (C-PRO 3 NANO controller)	INITIAL
Single P2 Pump	P2
Single P3 Pump	P3
Single P5 Pump	P5
Double P2 Pump	D2
Double P3 Pump	D3
Double P5 Pump	D5
No-ferrous water piping for single pump units	WP [1]
No-ferrous water piping for double pump units	WD [2]
Pressurized water tank	TP [3]
Non ferrous pressurized water circuit (AISI304 stainless steel water tank)	TPI [3]
Pressurized water tank with double pump housing	TP2 [4]
Non ferrous pressurized water circuit for double pump housing (AISI304 stainless steel water tank)	TPI2 [4]
Open circuit kit (Additional water tank)	TA [5]
Non ferrous atmospheric water circuit (plastic material water tank)	TANF [6]
Disconnecter tank with P2 Pump	X2
Disconnecter tank with P3 Pump	X3
Disconnecter tank with P5 Pump	X5
Water level switch	LS [7]
Automatic water bypass	BA
Evaporator anti freeze heater	RA1
Evaporator and pump anti freeze heater	RA2
Evaporator, pump and tank anti freeze heater	RA3
Electrical switchboard anti-condensation resistor	RS
Shut-off compressor valve	VSC
Solenoid valve	VL
Electronic thermostatic valve	VE
Condensing control: Continuos speed (Phase cut)	CA
Condensing control: Electronic fans	CE
Condensing control: Low ambient temperature kit	CL [8]
Ductable fans	ZAP
Condenser copper - copper	OCC
Condensing coils anticorrosive treatment	OCT [9]
Water double setpoint (from MODBUS and/or keyboard)	WE
Shut-off double pump valves	VSP

Heating resistors	RH [10]
Monocompressor version	MC
Wind baffles	FWB
Threaded water connections (GAS)	WC2
Stainless steel threaded water connections (GAS)	WC2I
Automatic water filling kit	WF
Rubber anti-vibration mountings for no tank units	FA1
Rubber anti-vibration mountings for units with tank	FA2
Wheels	FW
Wooden basement	PWB
Wooden crate	PWC

[1] WP option provides EPDM piping and AISI304 stainless steel connections. Combine WP with an option P2, P3, P5 but it's not available with TP, TP2, TPI, TPI2, TA.

[2] WD option provides EPDM piping and AISI304 stainless steel connections. Combine WD with an option D2, D3, D5 but it's not available with TP, TP2, TPI, TPI2, TA.

[3] To combine with an option P2, P3, P5.

[4] To combine with an option D2, D3, D5.

[5] To combine with an option TP, TPI, TP2, TPI2.

[6] To combine with an option P2, P3, P5.

[7] Only combined with TANF option.

[8] Include EC fans, electrical switchboard anti-condensation resistor and liquid reciver.

[9] Contact our company.

[10] Choice of: cataphoresis (black), pre-painted aluminium fin (blue), hydrophilic fin (blue), pre spray-painted fin (grey).

[11] Only combined with pressurized water tank (TP/TP2/TPI/TPI2). Contact our company.

* Solenoid valve as standard for all heat pump units (HWE).

Implementation date

New C-PRO 3 NANO will be phased in gradually to all chiller/heat pump CWE/HWE starting from 1st June 2018.

Starting from this date, the new options and accessories list presented will be valid.

For any additional info you may require, contact Friulair via your regular contact channels.