



## humiSteam

### “Wellness”, the new immersed electrode steam generator for steam baths

The new **humiSteam Wellness** model is the evolution of the **humiSteam**, with the addition of a new drain pump, and the new “W” control with large graphic display for the centralised management of:

- daily and weekly time bands;
- different temperature set points for the time bands;
- up to 3 actuators for the distribution of essences, and 1 for the “sanitisation” cycle;
- up to 2 fans and inside cabin light.

In addition, the display-keypad can be detached from the humidifier and connected in a remote position, to simplify integration into OEM products.

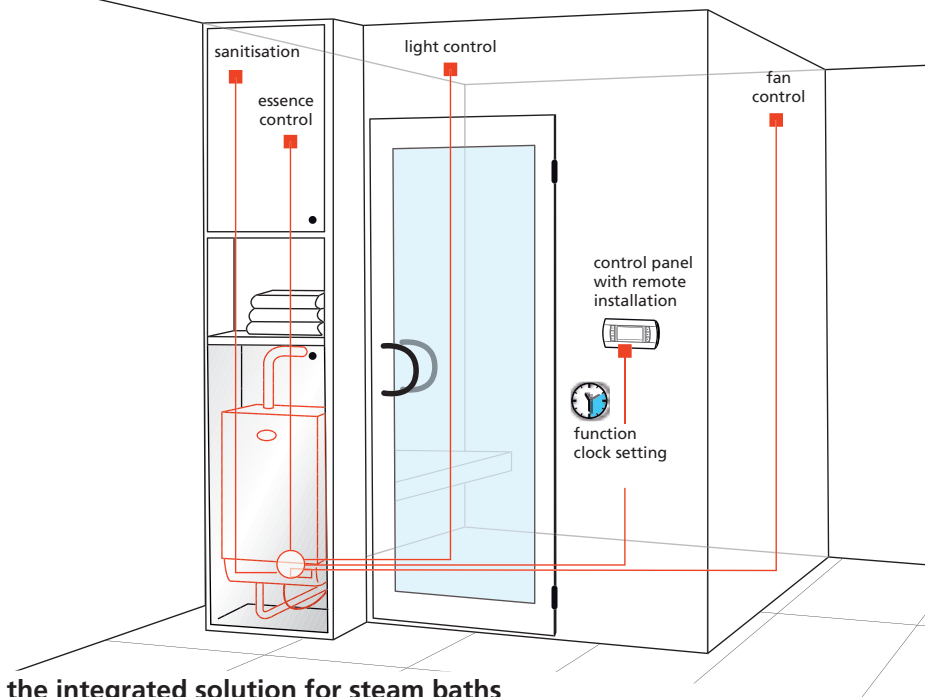
The new control, moreover, is based on pCO technology, one of the strong points in the CAREL product range, which offers the following advantages:

- ease of use thanks to the graphic display with icons and messages in various languages;
- connectivity to various types of LAN (Modbus®, BACnet™, LON);
- remote diagnostics via GSM (optional);
- operating hour counter and alarm log management;
- easy software customisation for OEM applications.

**humiSteam** uses mains water and manages the water concentration completely automatically, preventing the formation of foam for the maximum safety of the steam bath.

The CAREL range also includes:

- temperature probes (ASET303000);
- steam hoses and nozzles.



the integrated solution for steam baths

## Technical specifications

Graphic display with remote installation	✓
Management of time and temperature bands	✓
Management of essences and activation cycle (max. 3)	✓
Sanitisation cycle	✓
Control of 2 fans	✓
Inside light ON/OFF	✓
Modifiable software for customisation	✓
Integrated temperature control	✓
Proportional temperature probe (supplied separately)	✓
2 <sup>nd</sup> proportional temperature probe (supplied separately)	✓
Probe signals supported	0 to 1 V, 0 to 10 V, 2 to 10 V 0 to 20 mA, 4 to 20 mA
Remote ON/OFF	✓
Cylinders for water with low conductivity	optional
Openable cylinders	optional
Water drain pump	✓
Integrated antifoam system (AFS)	✓
Automatic and timed maintenance request	✓
0 to 10 V signal proportional to steam production to control an external utility	✓
Alarm relay	✓
Remote diagnostics	optional: with serial board for external modem
Connectivity	standard: CAREL protocol over RS485 optional: Modbus®, BACnet™, LON®, Ethernet™

model	UE001	UE003	UE005	UE008	UE009	UE010	UE015	UE025	UE035	UE045	UE065	
Max. steam production	kg/h	1.5	3	5	8	9	10	15	25	35	45	65
Field of modulation		20 to 100%										
Power consumption	kWh	1.12	2.25	3.75	6.0	6.75	7.50	11.25	18.75	26.25	33.75	48.75
Power supply (other voltages upon request)		230 V/1		230 V/1		230 V/1		400 V/3				
Steam pressure	Pa	0 to 2000		0 to 1600		0 to 1700			0 to 2300			
Steam connection	mm	Ø 22		Ø 30			Ø 40		Ø 2x40			
Supply water connection		3/4" male										
Instant water flow-rate	l/min	0.6	0.6	0.6	0.6	1.2	1.2	1.2	4	4	4	7
Total hardness limits	°fH	15 to 40										
Conductivity limits	µS/cm	125 to 1250										
Drain connection	mm	Ø 40										
Instant flow-rate	l/min	10	10	10	10	10	10	10	22,5	22,5	22,5	22,5
Dimensions (LxWxH)	mm	365x275 x620			365x275 x710			555x360 x890			650x455 x495	
Weight (empty)	kg	16	16	16	16	20	20	20	39	39	39	51

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