

## CSW water cassette

Available in 6 models 2 pipes system , and 4 models 4 pipes system, the water cassettes series CSW has the modularity 600x 600 and 900x900 suitable for the standard concealed installation  
4 models are available ( 2 pipe version) with infrared remote handset.

### AVAILABILITY

- CSW** Model with 1 coil, arranged for wire remote control panel  
**CSW T** Model with 1 coil, with infrared remote handset  
**CSW DF** Model with 2 coils, arranged for wire remote control panel

### CONSTRUCTIVE FEATURES

- > HEAT EXCHANGER with high efficiency, made with copper piping and high efficiency aluminum fins, complete with an air vacuum valve and draining tube, connected to the auxiliary drip tray for the condensate collection.  
Auxiliary drip tray ,supplied as a standard , collects the water regulation valve condensation.
- > Electrical motor : 3 speeds with low Rpm ,and thermal protection for the windings.
- > Centrifugal fan with backward blades extremely silent, statically and dynamically balanced and coupled directly to the 3 speeds electric motor. **The versions with infra-red remote control have as standard a 4-speed motor.**
- > Bearing structure with internal and external acoustic and thermal insulation.  
The basic unit is complete with pre-sheared holes for fresh air intake and air ducting installation.
- > Condensate drainage pump: complete with a flow switch for the collection of the drip tray condensation.  
The drainage pump is complete with one way valve and timer to delay the switch off, after receiving the flow switch signal to insure an adequate drainage of the condensate present in the drip tray
- > Electrical components:
  - Timer for the drainage pump
  - Electrical connection board to the wall mounted panel for the automatic control of the water cassette and water regulation valve.
  - Electronic board which manages the functioning of the units equipped with infra-red remote control. 2 probes detecting the air and water temperature are linked to the board.
- > Flap wings: the inclination of the air outlet deflectors can be manually regulated or motorized in the CSW T version with remote control.
- > Filter : washable made of synthetic material, inserted in the intake grilles on the front panel ,and is easy to remove for maintenance.  
The front panel is provided with receiver and working indicator in the CSW T version with remote control.
- > Infra-red remote control as standard in the CSW T version, with the following functionalities:



- Setting and regulation of the air ambient temperature
- Regulation of the manual or automatic fan speed, according to difference between temperature detected by the air probe (located on the air suction) and temperature set on the control.
- Setting of the modes (heating - cooling) manual or automatic, according to the ambient air temperature.
- Working independtely from water temperature.
- Timer for the automaticcally swithcing on/ off of the cassette
- Movement of the air outlet flaps.



### OBBLIGATORY ACCESSORIES

3 ways valves with hydraulic kit for 2 pipes and/ or 4 pipes systems.

The water regulation valve are 3 ways / 4 connections ,motorized On/Off , 230 V and intercept the hot and cold water after receiving the thermostat signal .

The valves are complete with a hydraulic kit to connect it to the coil.

### ACCESSORIES ON REQUEST

#### > Mycomfort

Available in the Basic, Medium and Large versions. It allows the user the complete managing of the CSW and CSWDF cassettes, their regulation valves, the displaying of all the functional parameteres (air and water temperature and humidity) and the possibility to create master/slave nets.  
CSW units when managed by **MYCOMFORT MEDIUM** o **LARGE** control panels can be integrated with **ERGO** nets to manage air conditioning systems.



#### > MCSW

Water probe for MYCOMFORT microprocessor control panel.

- > **KP** power interface to manage up to 4 units with one control only.

CSW - CSW T RATED TECHNICAL DATA								
CSW			136	186*	246	249	369*	489
Total cooling capacity	High	kW	2,88	3,83	4,85	6,50	7,45	8,84
Sensible cooling capacity		kW	2,38	3,11	3,90	5,15	6,11	6,97
Water flow		l/h	494	658	832	1115	1278	1517
Water pressure drop		kPa	9	14	22	28	17	28
Heating capacity	High	kW	6,99	9,07	10,82	13,20	15,86	17,04
Water flow		l/h	613	795	949	1158	1391	1496
Water pressure drop		kPa	10	15	21	18	11	21
Female gas water connection		inches	3/4	3/4	3/4	3/4	1	1
Power supply		V - ph - Hz	230 - 1 - 50					
Drain pump		mm	22	22	22	25	25	25
Drain pump available head		m	0,50	0,50	0,50	0,50	0,50	0,50
Power input	High	W	43	66	104	80	126	145
Current absorbed	High	A	0,17	0,25	0,44	0,36	0,56	0,65
Air flow	High	m <sup>3</sup> /h	550	710	870	1140	1380	1610
	Med	m <sup>3</sup> /h	420	520	630	890	1140	1290
	Low	m <sup>3</sup> /h	240	260	340	770	850	1010
Sound power	High	dB(A)	49	53	61	55	58	60
	Med	dB(A)	40	43	51	51	55	57
	Low	dB(A)	33	33	42	47	53	55
Grille dimensions	H x L x P	mm	40x720x720			20x953x953		
Unit dimensions	H x L x P	mm	310x570x570			300x835x835	365x835x785	
Net weight		kg	22	22	22	37	43	45

COOLING MODE: water temperature 7/12°C, air temperature with dry bulb 27°C, air temperature with moist bulb 19°C (47% relative humidity)

HEATING MODE :water temperature 70/60°C, water flow rate same as in cooling mode, inlet air temperature 20°C

SOUND POWER :measured according to ISO 3741 and ISO 3742.

\*CSWT water cassettes with infrared remote handset do not include these models

CSW DF RATED TECHNICAL DATA								
CSW DF			136	246	249	489		
Total cooling capacity	High	kW	2,64	3,82	4,71	7,24		
Sensible cooling capacity		kW	2,15	3,24	3,76	6,18		
Water flow		l/h	453	656	808	1243		
Water pressure drop		kPa	6	11	8	8		
Female gas water connection		inches	3/4	3/4	3/4	1		
Heating capacity	High	kW	3,67	5,45	7,18	9,7		
Water flow		l/h	322	478	630	851		
Water pressure drop		kPa	15	31	9	7		
Female gas water connection		inches	1/2	1/2	1/2	3/4		
Power supply		V - ph - Hz	230 - 1 - 50					
Drain pump		mm	22	22	25	25		
Drain pump available head		m	0,5	0,5	0,5	0,5		
Power input	High	W	43	104	80	145		
Current absorbed	High	A	0,17	0,44	0,36	0,65		
Air flow	High	m <sup>3</sup> /h	550	870	1140	1610		
	Med	m <sup>3</sup> /h	420	630	890	1290		
	Low	m <sup>3</sup> /h	240	340	770	1010		
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