



# DF ducted 403 - 408 Horizontal ducted system

Dehumidification > DF ducted 403 - 408 - Horizontal ducted system

**2** YEAR  
WARRANTY

- + Ducted DF range, available in 5 capacities (3.5 to 12 L/h)
- + 'Air heating' option (electric element or hot water radiator)
- + Very easy to install in the plant room
- + Modularity: right-hand access panel as standard, with an option for left-hand



	DF 403 ducted 1-phase	DF 405 ducted 1-phase	DF 405 ducted 3-phases	DF 408 ducted 1-phase	DF 408 ducted 3-phases
<b>PRODUCT REFERENCE</b>					
Standard model	W28DF403MG	W28DF405MG	W28DF405TG	W28DF408MG	W28DF408TG
Model with electric heating option	W28DF403MGE	W28DF405MGE	W28DF405TGE	W28DF408MGE	W28DF408TGE
	4,5 kW	4,5 kW	4,5 kW	4,5 kW	9 kW
Model with hot water battery option	W28DF403MGB	W28DF405MGB	W28DF405TGB	W28DF408MGB	W28DF408TGB
	15 kW	15 kW	15 kW	18kW	18kW

## ACCESSORIES INCLUDED IN THE PACK



Hygro control box

## TECHNICAL SPECIFICATIONS

Capacity (l/h)	3.5	5	8		
Absorbed power* (W)	1500*	1860*	2600*		
Operating power* (W)	3600*	4465*	6240*		
Air flow (m3/h)	1300			1700	
Available pressure (mmCE)	10				
Electric power supply	230 V / 1 / 50 Hz		400 V / 3N / 50 Hz	230 V / 1 / 50 Hz	400 V / 3N / 50 Hz
Max. absorbed intensity (A)***	13,2 ***	16,1 ***	7,3 ***	24,8 ***	9,5 ***
Refrigerant fluid	R407C				
Refrigerant fluid quantity (kg)	1180	1210		1520	
Evacuation of condensation	PVC Ø 32 1/2 union to glue				
Sound power (dB(A))**	71,5**			73,6**	

For all DF orders a deposit of 30% will be requested with the order.

\* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

\*\* Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

\*\*\* excluding units featuring electrical heating option.

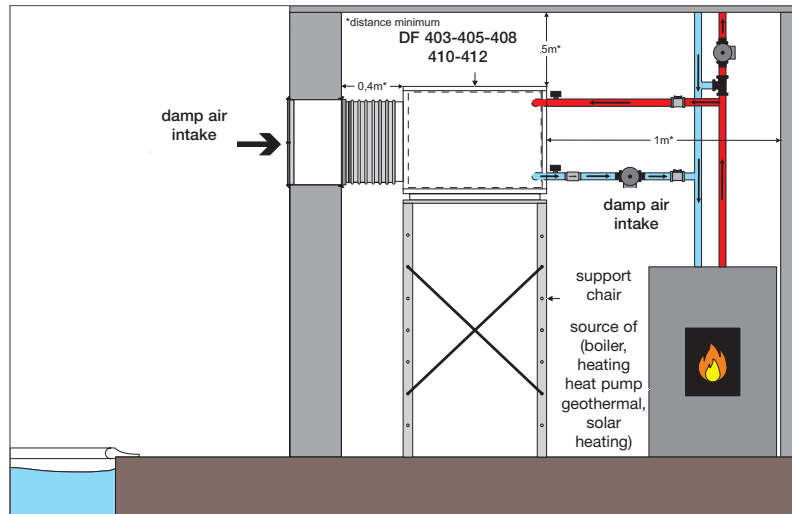
## HOT WATER BATTERY SPECIFICATIONS

	DF 403 ducted 1-phase	DF 405 ducted 1-phase	DF 405 ducted 3-phases	DF 408 ducted 1-phase	DF 408 ducted 3-phases
Power (kW) with primary 50-40 °C / 90-70 °C	3,9/12,4	3,9/12,4	3,9/12,4	4,6/14,8	4,6/14,8
Water flow (m <sup>3</sup> /h) with primary at 90/70°C	0.56	0.56	0.56	0.66	0.66
Load loss (mCE) with primary 90/70°C	0.059	0.059	0.059	0.081	0.081
Connection (mm)	20 / 27 male thread				

## INSTALLATION

- Installation in an adjoining technical room.
- Blower and intake grates mounted on the part to be mortared included with the appliance.
- Possibility of double deflector grates to direct the hot, dry air towards the windows.
- Hot water battery assembled inside the appliance (option).
- Extra electric heating using incorporated electric heating elements (option).
- Filter on the intake.
- Standard access panel (electrical connections) on the right in the direction of air flow. If the panel is difficult to access on this side, the electrical unit can be fitted remotely (option exclusively available with the DF unit).

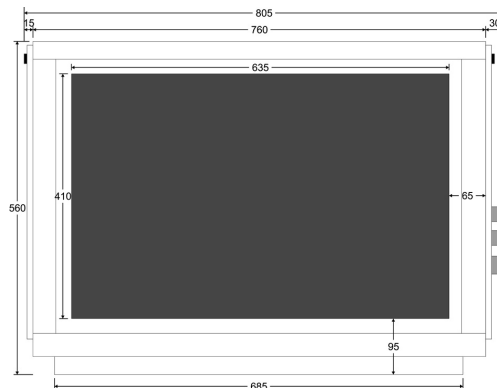
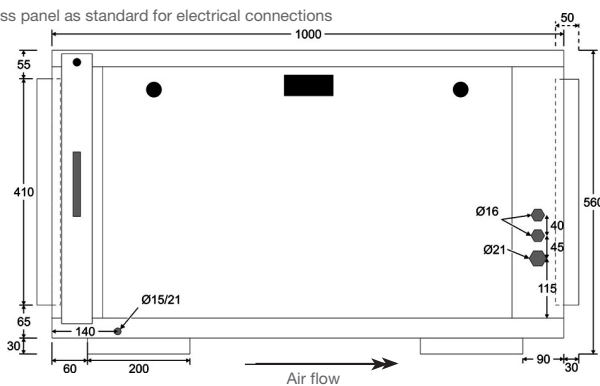
### Installation of an appliance with the hot water battery option (models 403 G to 412 G).



## DIMENSIONS (MM) AND WEIGHT

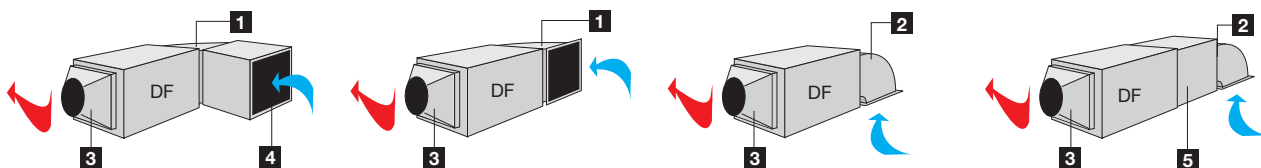
	DF 403 ducted 1-phase	DF 405 ducted 1-phase	DF 405 ducted 3-phases	DF 408 ducted 1-phase	DF 408 ducted 3-phases
Weight (kg)	113	113	113	117	117

Access panel as standard for electrical connections



## OPTIONAL ACCESSORIES

	Double deflector supply grade <b>1</b>	Vertical angle 90° <b>2</b>	Outlet DF Ø 315 <b>3</b>	Outlet DF Ø 400 <b>3</b>	Standard outlet 625 x 425 <b>4</b>	Circular sound trap with core Ø 315	Sound trap rectangular length 500 mm <b>5</b>	DF Chassis support	Remote control electrical unit
reference	WCH03716	WCH03717	WCH03715	WCH03729	WTT02355	WCH03681	WCH03718	WTO04000	W28DEPORT
ex VAT Price	439,23 €	380,39 €	291,08 €	323,65 €	183,90 €	714,55 €	629,43 €	836,44 €	458,44 €





# DF ducted 410 - 412 Horizontal ducted system

Dehumidification > DF ducted 410 - 412 - Horizontal ducted system

**2** YEAR  
WARRANTY

- + Ducted DF range, available in 5 capacities (3.5 to 12 L/h)
- + 'Air heating' option (electric element or hot water radiator)
- + Very easy to install in the plant room
- + Modularity: right-hand access panel as standard, with an option for left-hand



	DF 410 ducted 1-phase	DF 410 ducted 3-phases	DF 412 ducted 3-phases****
<b>PRODUCT REFERENCE</b>			
Standard model	W28DF410MG	W28DF410G	W28DF412G
Model with water condenser option	W28DF410MGC	W28DF410GC	W28DF412GC
Model with electric heating option	W28DF410MGE	W28DF410GE	W28DF412GE
	4,5 kW	9 kW	9 kW
Model with electric heating option and water condenser	W28DF410MGEC	W28DF410GEC	W28DF412GEC
	4,5 kW	9 kW	9 kW
Model with hot water battery option	W28DF410MGB	W28DF410GB	W28DF412GB
	23 kW	23 kW	23 kW
Model with hot water battery option and water condenser	W28DF410MGBC	W28DF410GBC	W28DF412GBC
	23 kW	23 kW	23 kW

## ACCESSORIES INCLUDED IN THE PACK



Hygro control box

## TECHNICAL SPECIFICATIONS

Capacity (l/h)	10		12
Absorbed power* (W)	3470		4170
Operating power* (W)	7630		9180
Air flow (m <sup>3</sup> /h)	2000		
Available pressure (mmCE)	10		
Electric power supply	230 V / 1N / 50 Hz	400 V / 3N / 50 Hz	
Max. absorbed intensity (A)***	20.5	11.9	14
Refrigerant fluid quantity (kg)	2700 / 2820 (1)		2900 / 3820 (1)
Evacuation of condensation	PVC Ø 32 1/2 union to glue		
Sound power (dB(A))**	-		76.7

For all DF orders a deposit of 30% will be requested with the order.

\* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.

\*\* Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.

\*\*\* excluding units featuring electrical heating option.

\*\*\*\* DF412 in single phase on request.

(1) for units with water condenser option.

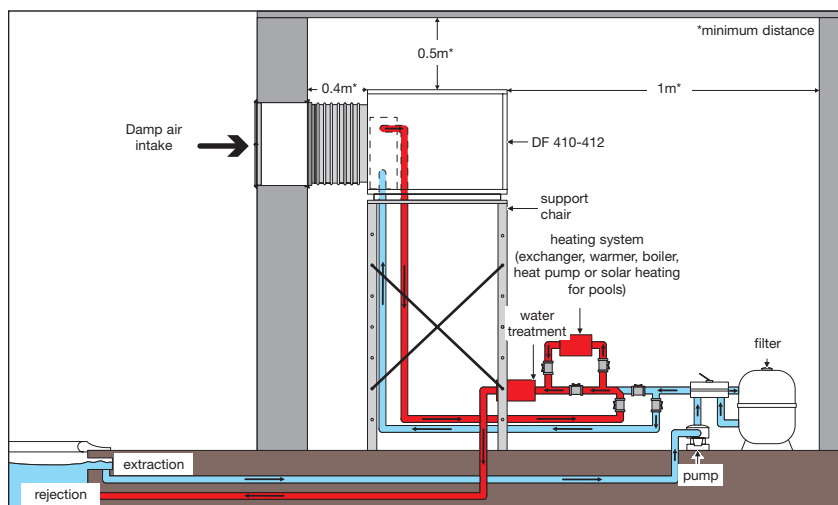
### HOT WATER BATTERY SPECIFICATIONS

	DF 410 ducted 1-phase	DF 410 ducted 3-phases	DF 412 ducted 3-phases****
Power (kW) with primary at 90/70°C	23	23	23
Power (kW) with primary at 45/40°C	7	7	7
Water flow (m3/h) with primary at 90/70°C	1.1	1.1	1.1
Load loss (mCE) with primary 90/70°C	0.204	0.204	0.204
Connection (mm)	20 / 27 male thread		

### INSTALLATION

- Installation in a technical facility close to the pool hall.
- Hot water battery assembled on the blower (option).
- Extra electthree phasec heating by through-the-wall electthree phasec heating elements (option).
- Available pressure 10 mmCE making it possible to install a duct network to carry hot, dry air the length of the window bays.
- Duct diameter: Ø315 min. or 400 x 200.
- Standard access panel (electrical connections) on the right in the direction of air flow. If the panel is difficult to access on this side, the electrical unit can be fitted remotely (option exclusively available with the DF unit).

Installation of an appliance with the condenser option (models 410 G and 412 G only).

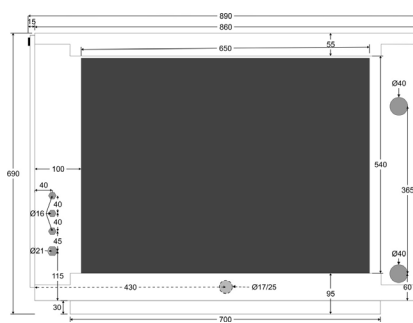
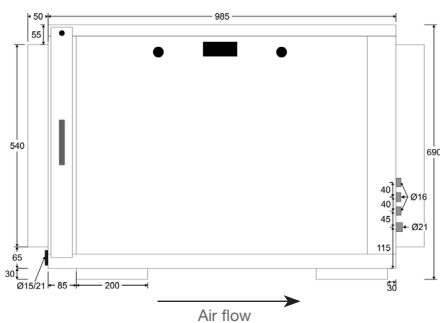


Spare parts p.282

### DIMENSIONS (MM) AND WEIGHT

	DF 410 ducted 1-phase	DF 410 ducted 3-phases	DF 412 ducted 3-phases****
Weight (kg) (basic model)	147	147	149

Access panel as standard for electrical connections



### OPTIONAL ACCESSORIES

	1	2	3	4	5		
	Horizontal angle 90°	Vertical angle 90°	Outlet DF Ø 400	Standard outlet 625 x 425	Sound trap rectangular length 635 x 525 long. 500 mm	DF Chassis support	Remote control electrical unit
reference	WCH03698	WCH03699	WCH03700	WTT02355	WCH03709	WTO04000	W28DEPORT
ex VAT Price	484,42 €	433,98 €	407,71 €	183,90 €	715,60 €	836,44 €	458,44 €

