

GROHOD

The most precise fit makes the best choice!



Fan Coil Unit

2-pipe 4-way Cassette - A series

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Control System



- Wireless remote controller is standard; Wired wall controller is optional;
- Auto reset, operation mode control; with room sensor & coil sensor;
- Daily timer or weekly timer
- Auto-diagnose, protections and error code display; jumpers configurations on electronic board
- RS485 ModBus, master-slave network control-Optional

Design Features

Suitable for hot/chilled water system, ceiling installation;

✓ Unit Body

Made of Galvanized steel, with pre-formed expanded polystyrene air passages suitable shaped to allow passage of air, thickness enough for thermal and acoustical insulation.

✓ Panel Assembly

Aesthetic panel design, in ABS material with synthetic washable and removal air filter, auto-swing.

✓ Plastic Wheel-Quite running

One-time injection forming, no welding between the fan blades and inlet cone/end plate, it makes the wheel good balancing; an anti-vibration rubber is installed on the hub to ensure less vibration, low noise on the wheels and motors. Each wheel will be balanced under G0.5mm/s.

✓ Fresh air intake

Fresh air intake is optional

✓ High Efficiency Coil

Coil are made of copper tubes and high exchange surface area aluminum blue fins. All coils are 100% tested against leaks by 30bar(3Mpa) air pressure. with 3/4" pipe connections and air bleed vent.

✓ Condensate Drain Pan

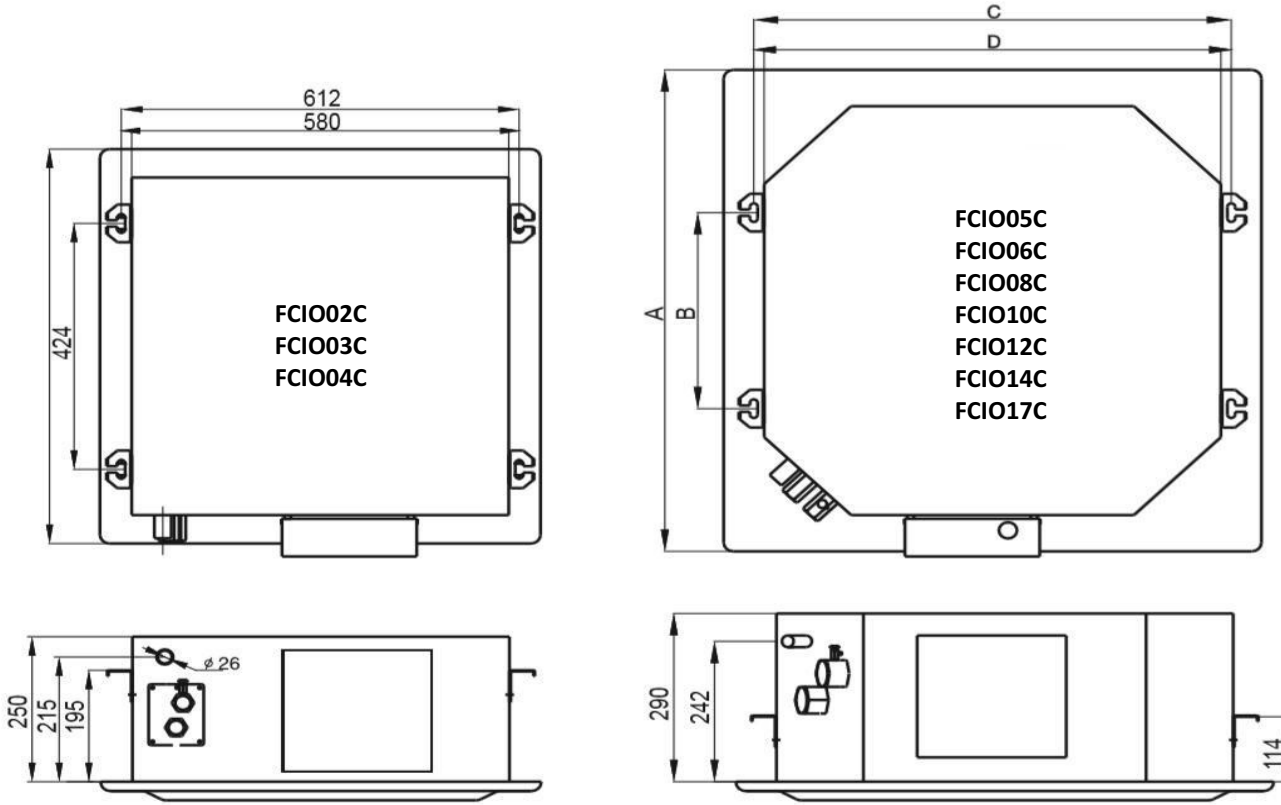
In thermoforming high density expanded polystyrene, covered with a vacuum forming polyvinyl chloride, fitted with a condensates draining pump and a safety float.

✓ Drain pump and Float Switch

700mm head drain pump with no return valve is installed in the unit; an float switch inside as well to prevent from leaking. If the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

Dimensions

Unit:mm



Dim.	FCIO05C FCIO06C FCIO08C	FCIO10C FCIO12C FCIO14C	FCIO17C
A	830	980	1140
B	338	416	488
C	737	864	992
D	705	832	960

Specifications 2-pipe 4-way Cassette - A series

Model : Cassette 4-way			FCIO02C	FCIO03C	FCIO04C	FCIO045C	FCIO05C	FCIO06C	FCIO08C	FCIO10C	FCIO12C	FCIO14C	FCIO17C	FCIO20C								
CFM			200	300	400	450	500	600	800	1000	1200	1400	1700	2000								
Air Flow Rate	H	m³/h	340	510	680	800	850	1020	1360	1700	2040	2380	2890	3400								
	M	m³/h	280	390	520	580	640	790	1030	1290	1500	1800	2100	2600								
	L	m³/h	180	260	350	390	430	520	690	860	1030	1200	1600	1900								
Cooling	Total Capacity	H	kW	2	2.7	3.7	4.2	4.5	5.6	7	9.1	10.8	12.6	15.3	17.6							
		M	kW	1.8	2.3	3.1	3.8	4.2	4.3	5.7	7.9	8.6	10	11.7	13.5							
		L	kW	1.6	1.8	2.6	2.8	3	3.6	4.5	6.2	6.8	8	9.3	9.9							
	Sensible Capacity	H	kW	1.5	1.9	2.6	2.9	3.5	3.9	5	6.4	7.7	9	11.5	14.8							
		M	kW	1.3	1.7	2	2.6	3.2	3.3	4.3	5.9	6.5	7.5	8.4	11.1							
		L	kW	1.2	1.4	1.8	1.9	2.8	2.9	3.6	4.8	5.4	6.4	6.4	7.8							
	Water Flow Rate		L/h	345	470	640	720	780	970	1260	1710	1920	2160	2640	3027							
	Water Pressure Drop		kPa	7	9	11	14	16	18	19	17	19	22	36	48							
	Heat	Heating Capacity	H	kW	2.8	4.2	5.6	6.3	7	8.4	11.2	13.9	16.7	19.5	23.7	25.5						
M			kW	2.5	3.4	4.5	5.5	6.3	6.5	8.5	12	12.6	15.6	17.5	18.6							
L			kW	2	2.7	4	4.5	5	5.2	6.7	9	10.2	12	13.8	13							
Power Supply			220~240V/1PH/50Hz(or60HZ)																			
Power Input		W	39	52	60	68	76	96	132	152	189	220	330	340								
Sound Pressure		dB(A)	37	39	41	42	43	45	46	47	50	52	57	65								
Fan	Type		CentrifugalFan																			
	Model	mm	315				380				476				530							
	Quantity	pcs	1																			
Motor	Type		3-speedMotor																			
	Quantity	pcs	1																			
Coil	Coil Rows		2																			
	Max. Working Pressure	mPa	1.6																			
	Tube Diameter	inch	3/8"																			
Dimensions	Unit Body	mm	580X580X250				705x705x290				832x832x290				960x960x290							
	Panel Assembly	mm	680X680X30				830x830x30				980x980x30				1140x1140x30							
Connection	Water Inlet/Outlet Pipe	inch	ZG3/4"/ZG3/4"																			
	Condensate Discharge	inch	26																			
Weight(with feet,with casing)		kg	20				25				34				52				50			

1.Cooling: inlet air temp. DB+27°C/WB+19.5°C, water inlet/outlet temp. +7°C/+12°C
2.Heating: +21°C, water inlet temp. +60°C; Same water flow rate as for the cooling