

Blown Film Cooling Coils

AC-C series

❄️ 10/88 kW

The AC-C Series

The AC-C series includes water/air cooling coils with cooling capacity ranging between 10 and 88 kW. It is the result of years of experience in the world of blown film extrusion and although quite simple in concept, it provides for several advantages allowing to optimise the process and significantly reduce energy consumption.

Structure

Constructed from galvanized steel panels with painted epoxy powder coating. Modern design, suitable for positioning within the production area.

Water/Air Exchanger

The highly efficient heat exchanger has a large surface area which is manufactured from aluminium fins and copper tubes. This allows for the reduction of the air speed to the extent that water droplets in the cooling air are completely eliminated.

The exchanger is designed to work with cold water at temperatures only 3°C lower than the required outlet air temperature: this grants a considerable energy savings on the consumption of chilled water compared to more conventional solutions. The oversizing of the exchanger also provides a reduction of electrical consumption of the process fan.



Control

Easy to use control systems regulates the process air temperature.

Standard Supply

- Pressure gauge to measure water pressure on the return line of the circuit.
- Easily removable filter providing easy access for maintenance.
- Mechanical 3-way valve (sizes 120/200) with electronic for remaining models.

Optional

- Water Droplet separator for installation in environments with high humidity.
- Electronic 3-way valve available for smaller units.

GET IN TOUCH TODAY

We have 30+ years experience controlling temperature for the world's most demanding industries.



+44 (0) 1827 213 401

sales@summitprocesscooling.co.uk

www.summitprocesscooling.co.uk

November 2023

Process Air Cooling Coils

AC-C series

Specification		Single Version						
		AC-C 120	AC-C 200	AC-C 380	AC-C 600	AC-C 700	AC-C 800	AC-C 1000
Cooling Capacity (1)	kW	10.2	16.5	31.0	48.0	56.0	65.0	88.0
Min. Air Flow Rate	m ³ /h	450	800	1.300	2.500	4.000	4.000	5.000
Max. Air Flow Rate	m ³ /h	1.000	1.600	3.000	5.000	5.600	6.500	8.000
Air Connections	Pa	160	140	170	160	140	160	140
Min/Max Film Production (2)	∅	160 OK	160 OK	210 OK	270 OK	270 OK	270 OK	350 J
Max. Water Flow Rate	kg/h	120	200	380	600	700	800	1000
Pressure Drop on water side (3-way valve included)	Bar	1,2	1,0	1,0	1,5	1,3	1,5	1,4
Hydraulic Connections IN/OUT	∅	1"	1"	1"	1¼"	1¼"	1¼"	2"
Condensate Drain Connection	∅	1/2"	1/2"	1/2"	1/2"	3/4"	3/4"	3/4"
Min/Max Air Temperature	°C	+6/+20						
Min/Max Water Temperature	°C	+3/+17						
Power Supply	V/Fr	OPT	OPT	110-230/50-60				
Valve for Temperature Control (3)	Type	M	M	E	E	E	E	E
Protection Rate	IP	54						
Dimensions	L [mm]	1.000	1.000	1.000	1.300	1.300	1.300	1.300
	P [mm]	850	900	1.200	1.400	1.400	1.400	1.500
	H [mm]	600	830	830	1.210	1.210	1.210	1.410
Net Weight	kg	65	78	95	150	170	180	250
Marks	-	CE						
Painting	RAL	9002						

1. Ta IN 35°C - Ta OUT 15°C - Tw IN 12°C - RH 40%
2. Referred to film for packaging and industrial bags
3. M: Mechanical - E: Electronic

GET IN TOUCH TODAY

We have 30+ years experience controlling temperature for the world's most demanding industries.



+44 (0) 1827 213 401

sales@summitprocesscooling.co.uk

www.summitprocesscooling.co.uk

November 2023