

PinkChiller PC19
19 kW_c absorption chiller
Ammonia/water based absorption chiller

Operating instructions / Installation manual



Specification

Product specifications			
Type classification		PinkChiller PC19	
Generation		5.4	
Technology		single-effect ammonia–water absorption chiller	
Sorbent / Refrigerant		Water / Ammonia	
Cooling capacity	kW	19,0	
Dimensions			
Width / Depth / Height	m	0,8 (1,05) / 0,6 / 1,95	
Total volume	m ³	1,0	
Total weight (working solution incl.)	kg	ca. 440	
Operating weight (working solution incl.)	kg	ca. 490	
Filling quantities			
Sorbent (Water)	kg	15,0	
Refrigerant (Ammonia)	kg	19,0	
Cold water cycle		Cooling ceiling	Fan-Coil
Cooling capacity	kW	19,5	18,6
Temperature in	°C	18,0	12,0
Temperature out	°C	15,0	6,0
Mass flow rate	kg/h	5603	2672
Pressure drop	mbar / kPa	app. 450 / app. 45	app. 300 / app. 30
Max. allowable operating pressure	PS bar	4,0	
Allowable operating temperature	°C	-10 to +20	
Water capacity	Liter	20,0	
Hot water cycle		Cooling ceiling	Fan-Coil
Heating capacity	kW	27,0	30,0
Temperature in	°C	75,0	85,0
Temperature out	°C	68,0	78,0
Mass flow rate	kg/h	3325	3695
Pressure drop	mbar / kPa	app. 600 / app. 60	app. 600 / app. 60
Max. allowable operating pressure	PS bar	4,0	
Allowable operating temperature	°C	+65 to +110°C	
Water capacity	Liter	1,5	
Recooling cycle (wet cooling tower)		Cooling ceiling	Fan-Coil
Heating capacity	kW	49,0	
Temperature in	°C	24,0	
Temperature out	°C	30,0	
Mass flow rate	kg/h	7040	
Pressure drop	mbar / kPa	app. 850 / app. 85	
Max. allowable operating pressure	PS bar	4,0	
Allowable operating temperature	°C	+20 bis +35	
Water capacity	Liter	25,0	
Hydraulic connections			
Cold water cycle	"	1" internal thread	
Hot water cycle	"	1" internal thread	
Recooling cycle	"	6/4" internal thread	
Electrical Input			
Voltage	V	230V / ~1 Ph 50 Hz	
Power	W	app. 450	

Table 1: Specification