

## FLW11006 Powerful recirculating cooler

The powerful FL models are suitable for a wide range of cooling tasks in industrial environments, such as removal of large process heat. 2 variants: Air-cooled (FL) and water-cooled (FLW).



### Your advantages

- Ergonomic design and easy operation
- Splash-proof keypad
- Large, bright LED display
- Permissible temperature in return line +80°C
- Easy filling from the top with hinged protective lid
- Low liquid level protection with optical and audible alarm signal
- Integrated stainless steel bath tanks
- Removable ventilation grid
- Front drain
- No side vents, instruments can be placed right next to other equipment
- RS232 interface for PC connection
- IP class according to IEC 60529: 21
- Alarm output, potential-free change-over contact (max. 30 VA)
- Pressure Indicator
- By-pass valve to adjust pump pressure

### Technical data

<b>Available voltage versions</b>		<b>Bath</b>	
Order No.	9 676 110	Bath tank	Stainless steel
Available voltage versions:			
9 676 110.16	230V/3PPE/60Hz (Without Plug)		
9 676 110.07	400V/3PNPE/50Hz (Plug 32A CEE)		
<b>Cooling</b>		<b>Other</b>	
Cooling of compressor	1-stage Water	Sound pressure level dbA	74
Cooling water pressure max. bar	6	Classification	Classification I (NFL)
Cooling water difference pressure bar	2 ... 6	IP Code	IP 21
Cooling water consumption l/min	18.2	Pump type	Immersion Pump
<b>Electronics</b>		<b>Dimensions and volumes</b>	
Temperature control	PID1	Weight kg	250
Temperature display	LED	Cooling Water Connection in	G $\frac{3}{4}$
Temperature setting	Keypad	Barbed fittings inner diameter	1"
		Dimensions cm (W x L x H)	78 x 85 x 148
		Filling volume l	39 ... 47
		Pump connections	G1 $\frac{1}{4}$ " male
<b>Temperature values</b>			
Setting the resolution of the temperature display °C	0.1		
Return flow temperature max. °C	80		
Temperature display resolution °C	0.1		

**Performance values**

230V/3PPE/60Hz (Without Plug)

230V/3PPE/60Hz					
Cooling capacity (Water Glycol)					
°C	20	10	0	-10	-20
kW	11.5	9	7.3	4.8	2.7
Refrigerant	R404A				
Filling volume g	1800				
Global Warming Potential for R404A	3922				
Carbon dioxide equivalent t	7.06				
Pump capacity flow rate l/min	60				
Pump capacity flow pressure bar	0.5 ... 6				

400V/3PNPE/50Hz (Plug 32A CEE)

400V/3PNPE/50Hz					
Cooling capacity					
°C	20	10	0	-10	-20
kW	11.5	9	7.3	4.8	2.7
Refrigerant	R452A				
Filling volume g	2330				
Global Warming Potential for R452A	2140				
Carbon dioxide equivalent t	4.986				
Pump capacity flow rate l/min	60				
Pump capacity flow pressure bar	0.5 ... 6				

**Benefits**



**Precise**  
PID Temperature control with set control parameters, temperature stability  $\pm 0.02 \dots \pm 0.2$  °C



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