

# 350LD

The temperature control unit for thermal oil up to 350 °C

- Control system RT200 or RT100
- High heating capacity max. 80 kW (2 x 40 kW)
- Pump with high flow rate: 90 l/min per circle
- Leak-free pump with magnetic coupling
- Solid-state relay instead of heating contactor



## Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity		Pump capacity/Type		
			280 °C	30 kW	FM65	90 l/min	2.8 kW
Oil	350 °C	20 kW	280 °C	85 kW			

**Technical data**

<b>Outlet temperature</b>			
max.	°C	350	
<b>Heat transfer medium</b>		Oil	
Filling quantity	l	24.0	
Expansion volume	l	20.0	
<b>Heating capacity at 400V</b>	kW	20	
<b>Cooling capacity</b>	kW	30	85
Cooler		1K	2K
at outlet temperature	°C	280	280
at cooling water temperature	°C	20	20
<b>Pump capacity/Type</b>		FM65	
Flow rate max.	l/min	90	
Power consumption	kW	2.8	
Pressure max.	bar	9.5	
<b>Control system</b>		RT100	
Measuring mode (standard)		Pt100	
<b>Operating voltage</b>	V/Hz	200-600 V, 50/60 Hz	
<b>Connections</b>			
Outlet/Inlet		G3/4" IG	
Cooling water mains		G3/4"	
<b>Degree of protection</b>		IP54	
<b>Dimensions W/H/D</b>	mm	546/1621/1465	
<b>Weight</b>	kg	373	
<b>Color</b>	RAL	9006/7016	
<b>Ambient temperature</b>			
max.	°C	40	
<b>Noise level</b>	db (A)	< 70	

## Standard equipment

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- RT100 control system
- Unit in IP54 protection degree
- Leak-free pump
- Filter in the main circuit
- Filter in cooling water circuit
- Water circuit of non-rusting materials
- Pressure gauge outlet
- Pressure gauge inlet
- Solid-state relay (SSR) instead of heating contactor

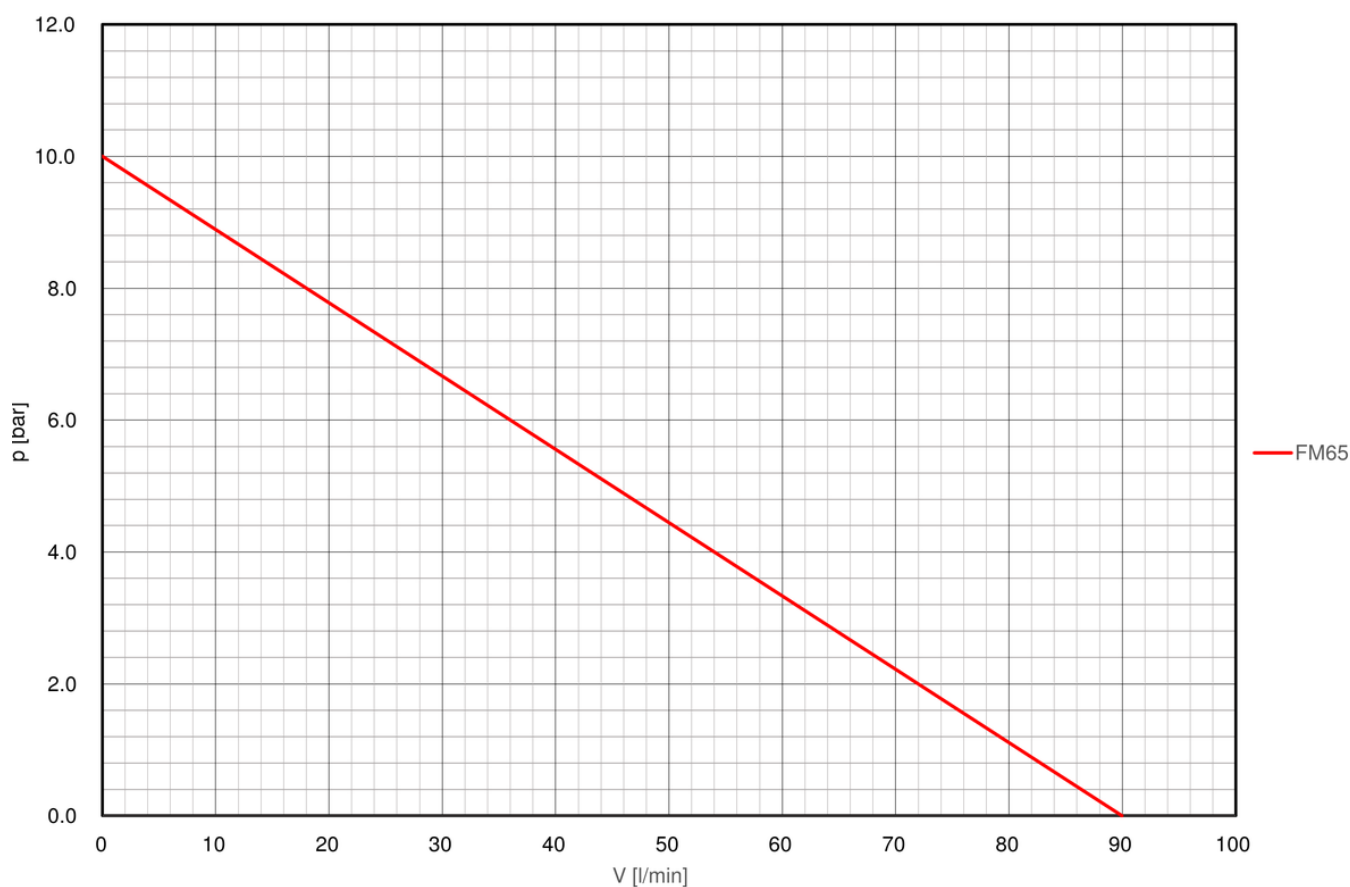
## Options

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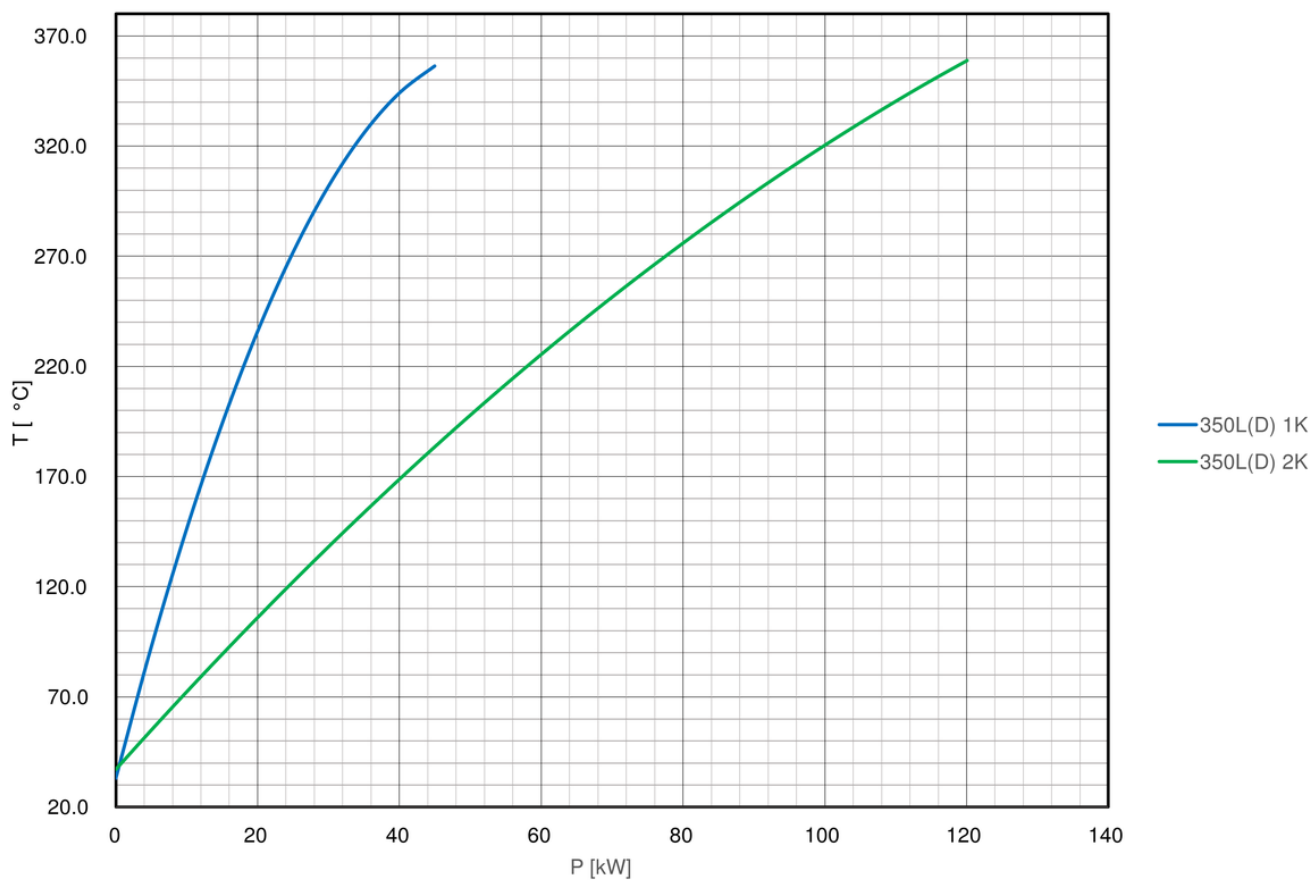
- Inert gas blanket
- Cooler with bypass circuit (2k)
- Electronic flow measurement
- RT200 control system

## Pump curve

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Cooling curve



Representation Slovenia

Uniplast Inzeniring d.o.o  
 Pod Hruševco 46c,  
 1360 Vrhnika  
 Slovenia

Tel + 38 61 5659 440  
 Email info@uniplast.si