

# 300MD

The dual-zone temperature control unit for thermal oil up to 300 °C

- Control system RT200 or RT100
- Heating capacity 24 kW (2 x 12 kW)
- Pump with high flow rate: 60 l/min
- Leak-free pump with magnetic coupling
- Electronic pressure display
- Solid-state relay instead of heating contactor



## Technical specifications

Heat transfer medium	Outlet temperature	Heating capacity at 400V	Cooling capacity	Pump capacity/Type		
Oil	300 °C	12 kW	280 °C   130 kW	FM32	80 l/min	1.5 kW
				FM35	85 l/min	2.2 kW

**Technical data**

<b>Outlet temperature</b>			
max.	°C	300	
<b>Heat transfer medium</b>		Oil	
Filling quantity	l	22.0	
Expansion volume	l	14.0	
<b>Heating capacity at 400V</b>	kW	12	
<b>Cooling capacity</b>	kW	130	
Cooler		1K	
at outlet temperature	°C	280	
at cooling water temperature	°C	20	
<b>Pump capacity/Type</b>		FM32	FM35
Flow rate max.	l/min	80	85
Power consumption	kW	1.5	2.2
Pressure max.	bar	7.5	8.0
<b>Control system</b>		RT100 / RT200	
Measuring mode (standard)		Pt100	
<b>Operating voltage</b>	V/Hz	400-480 V, 50/60 Hz	
<b>Connections</b>			
Outlet/Inlet		G3/4" IG	
Cooling water mains		G1/2"	
<b>Degree of protection</b>		IP54	
<b>Dimensions W/H/D</b>	mm	400/1150/1330	
<b>Weight</b>	kg	235	
<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
- Solid-state relay (SSR) instead of heating contactor
- Unit in IP54 protection degree
- Second level
- Leak-free pump
- Filter in the main circuit
- Filter in cooling water circuit
- Water circuit of non-rusting materials
- Outlet pressure sensor

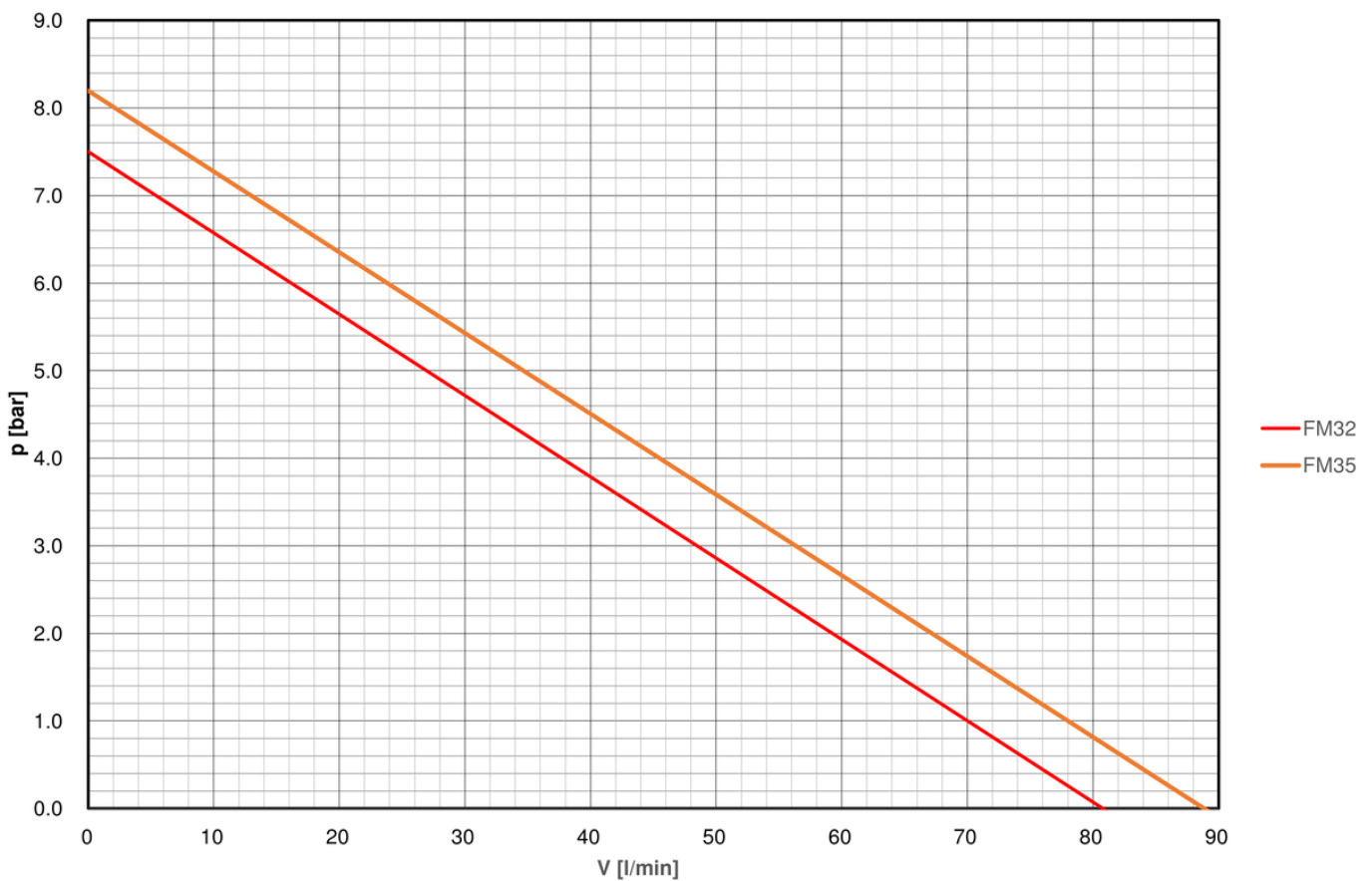
## Options

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- Electronic flow measurement
- Optional with RT200 control system

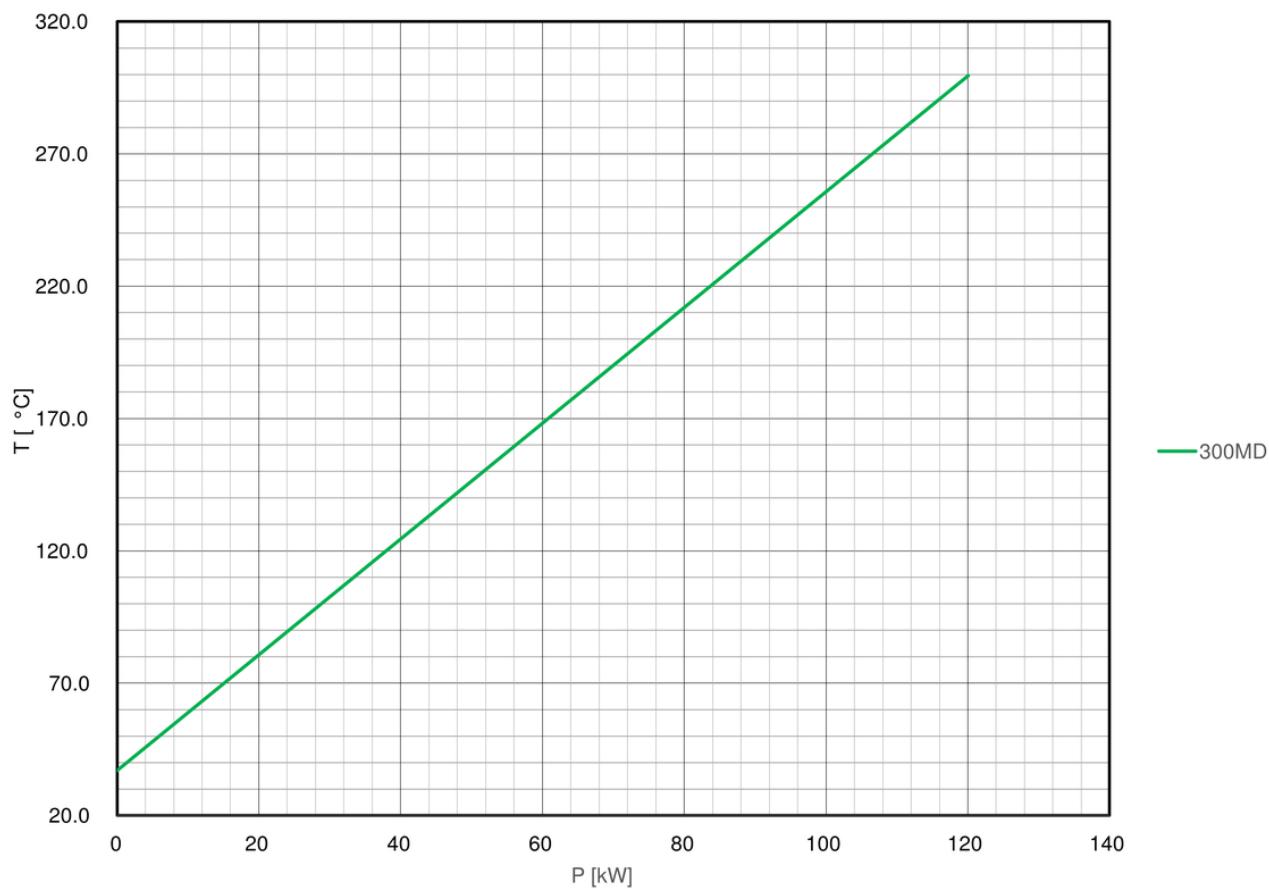
## Pump curve

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**Cooling curve**

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**Representation Slovenia**

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