

300MD

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

- Control system RT200
- Heating capacity 24 kW (2 x 12 kW)
- Pump with high flow rate: 80 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

Outlet temperature			
max.	°C	300	
Heat transfer medium		Oil	
Filling quantity	l	22.0	
Expansion volume	l	14.0	
Heating capacity at 400V	kW	12	
Cooling capacity	kW	130	
Cooler		1K	
at outlet temperature	°C	280	
at cooling water temperature	°C	20	
Pump capacity/Type		FM32	FM35
Flow rate max.	l/min	80	85
Power consumption	kW	1.5	2.2
Pressure max.	bar	7.5	8.0
Control system		RT200	
Operating voltage	V/Hz	400-480 V, 50/60 Hz	
Connections			
Outlet/Inlet		G3/4" IG	
Cooling water mains		G3/4"	
Degree of protection		IP54	
Dimensions W/H/D	mm	407/1150/1349	
Weight	kg	235	
Color	RAL	9006/7016	
Ambient temperature			
max.	°C	40	
Noise level	db (A)	< 70	

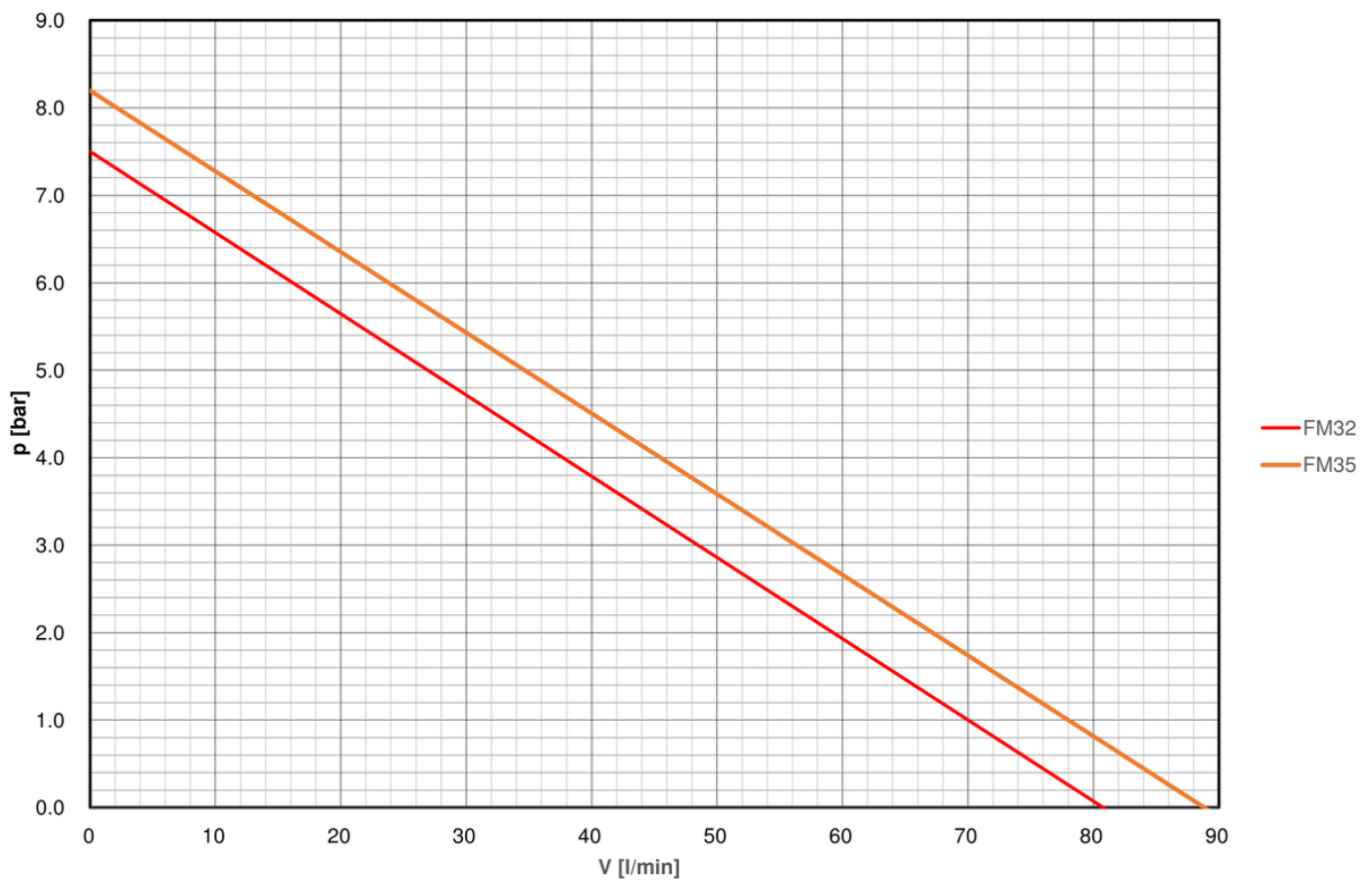
Standard equipment

- 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
- RT200 control system

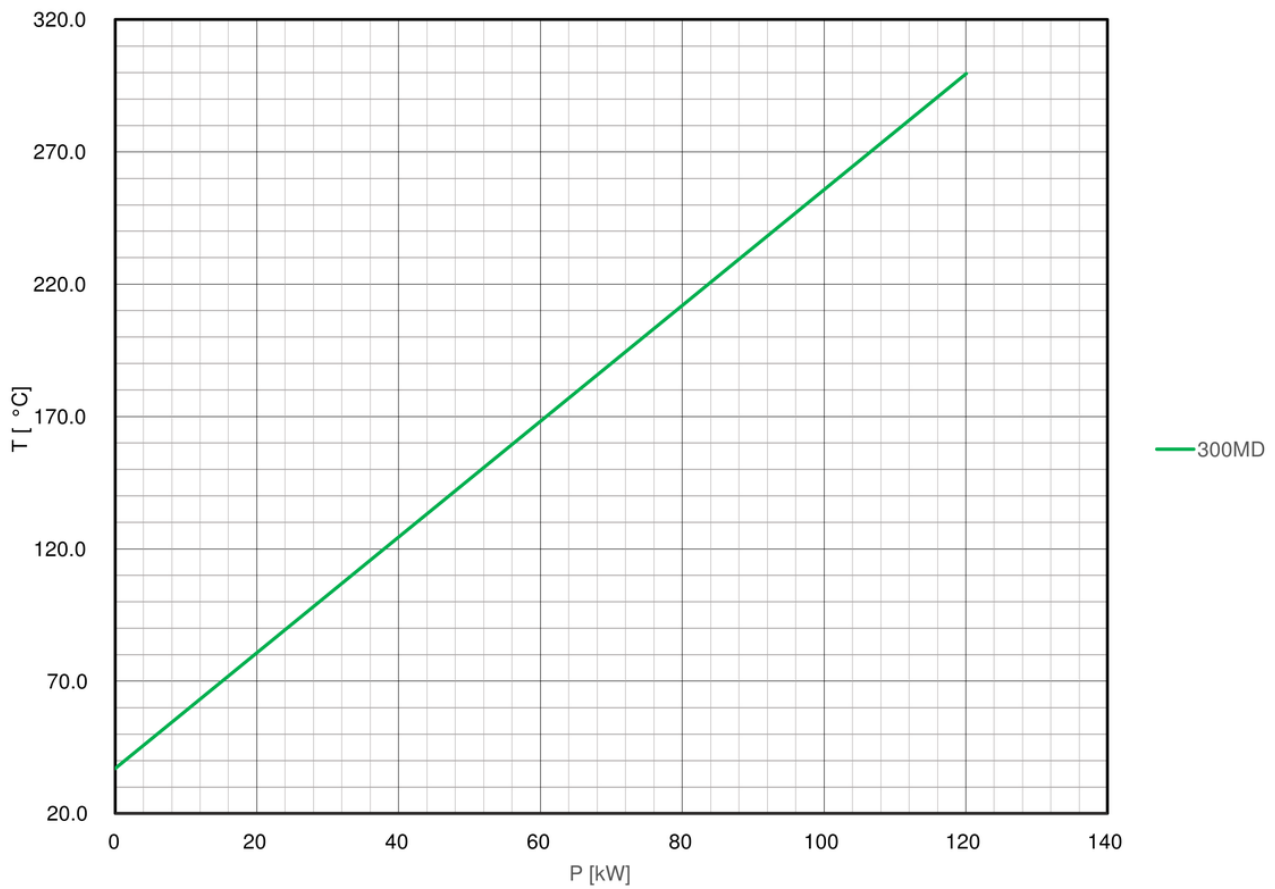
Options

- Electronic flow measurement
- Optional with RT200 control system
- RT100 control system

Pump curve



Cooling curve



Representation Switzerland

Injection Molding, Die Casting, other Applications

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