

# CoolantClean - Coolant particle filter for fuel cells and further xEV applications

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# MANN+HUMMEL CoolantClean

## Coolant particle filter for fuel cells and further xEV applications

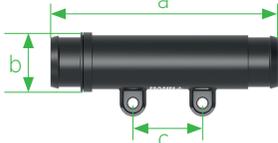
### Product features and concept advantages

- Best protection of liquid cooled computers, fuel cell stacks and battery systems
- Prevention of blocking of the cooling channels: Removal of particles from the coolant, both in case of initial contamination and during operation
- Lowest pressure drop at high flow rates
- Slim and light design allows an easy integration into the coolant loop
- Different housing and mesh material options that are compatible with coolants and prevent leaching of additives which would increase the coolant conductivity
- Additional customized solutions upon request

MANN+HUMMEL memberships and partnerships in e-mobility and fuel cells:



### Technical specification

Size	CoolantClean 50	CoolantClean 250
Application focus	Computer cooling (e.g. self-driving vehicles)	
	Battery cooling (battery electric vehicles)	
	Stack cooling (fuel cell vehicles)	
	Other automotive, industrial & stationary cooling applications	
Stud type / Size	DIN 3021-A 20	DIN 3021-A 46
Dimensions [mm]	 a: 175 b: 50.8	 a: 212.8 b: 55 c: 65
Flow rate	≤ 50 l/min	≤ 250 l/min
Differential pressure	125 mbar @ 50 l/min	125 mbar @ 250 l/min
System pressure	≤ 3 bar	
Materials	PP-GF30 (housing) PP (mesh)	
Cut-off of relevant particle size	> 99 % @ 120 µm	> 99 % @ 175 µm
Operating temperature	-40 °C to +90 °C	
Service interval	Lifetime / Service Part	
Arrangement in the system	<ul style="list-style-type: none"> <li>■ Full flow or bypass mode</li> <li>■ Multiple orientations possible</li> <li>■ Nearby the inlet of the protected component</li> </ul>	



## MANN+HUMMEL Contact

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Watch the video of the coolant particle filter for fuel cells and further xEV applications.



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