

OmniFlow

Ion exchange filter for fuel cells



MANN+HUMMEL OmniFlow Ion exchange filter for fuel cells

Functional description

- **Protection against electrical shorts in the stack:**
OmniFlow keeps the conductivity of cooling liquid in fuel cells low through ion exchange technology
- **Optimum protection:**
high quality ion exchange resin regarding capacity and purity
- **Omnidirectional flow and installation:**
any orientation (horizontal, vertical, etc.) possible

Four sizes available to perfectly fit your specific application

Please refer to our ion exchange filter family IonFree specifically designed for automotive needs and service requirements



Over 12 years experience with ion exchange filters



Open the website for more information about products for electrified powertrains from MANN+HUMMEL.



Watch the video of the ion exchange filter for fuel cell systems.



Visit our E-Mobility Onlineshop to check our offerings and buy directly.

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



Science for a moving society



Arbeitsgemeinschaft Brennstoffzellen
(Fuel Cell Working Group)

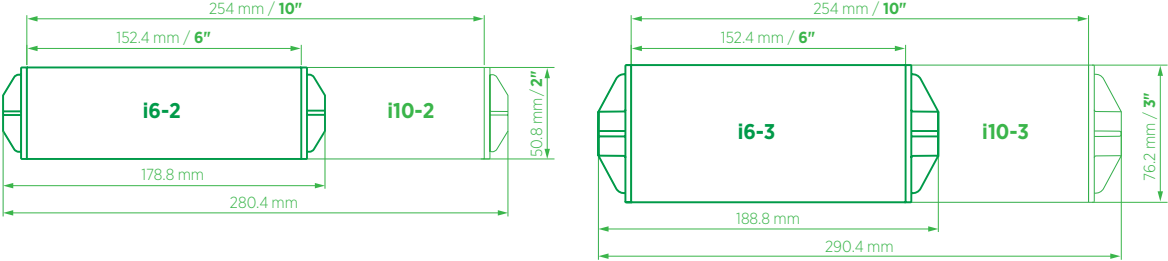


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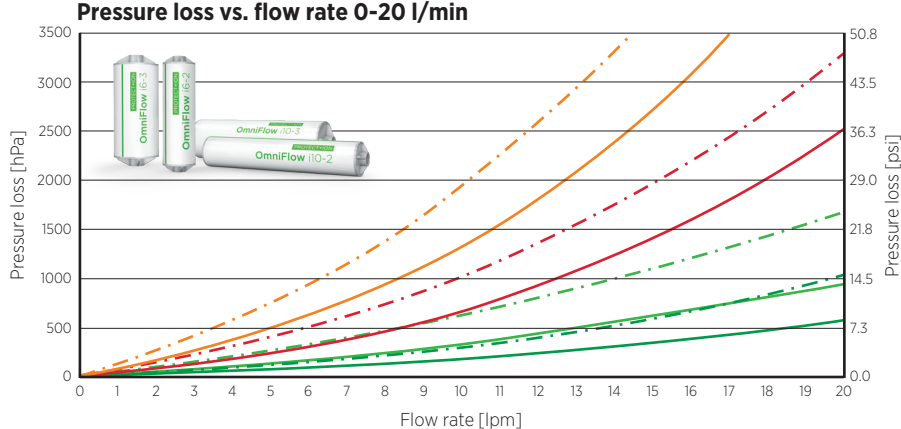
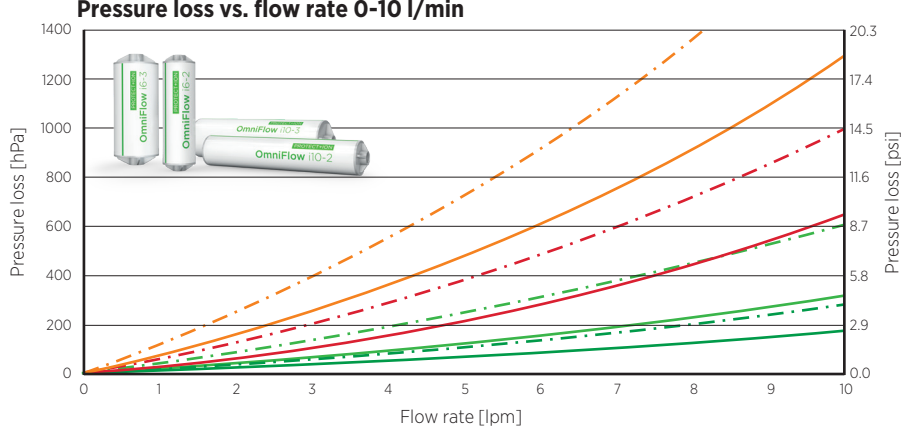
Technical specification

	i6-2	i10-2	i6-3	i10-3
Capacity (cation + anion)	200 meq	330 meq	490 meq	820 meq
Flow direction	Omnidirectional			
Mounting orientation	Omnidirectional			
Connector interface	3/8-inch NPTF threading		1/2-inch NPTF threading	
Ion exchange resin	1:1 mixed bed of anion and cation resin in OH ⁻ / H ⁺ form			
Max. pressure (absolute)	3 bar (43.5 psi)			
Operating temperature	-30 °C (-22 °F) to +90 °C (194 °F)			
Electrical conductivity	< 5 µS/cm			
Housing material	Polypropylene (PP)			

Dimensions



Pressure loss



- i6-2 @ RT
- i6-2 @ 90 °C
- · - i10-2 @ RT
- i10-2 @ 90 °C
- i6-3 @ RT
- i6-3 @ 90 °C
- · - i10-3 @ RT
- i10-3 @ 90 °C



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