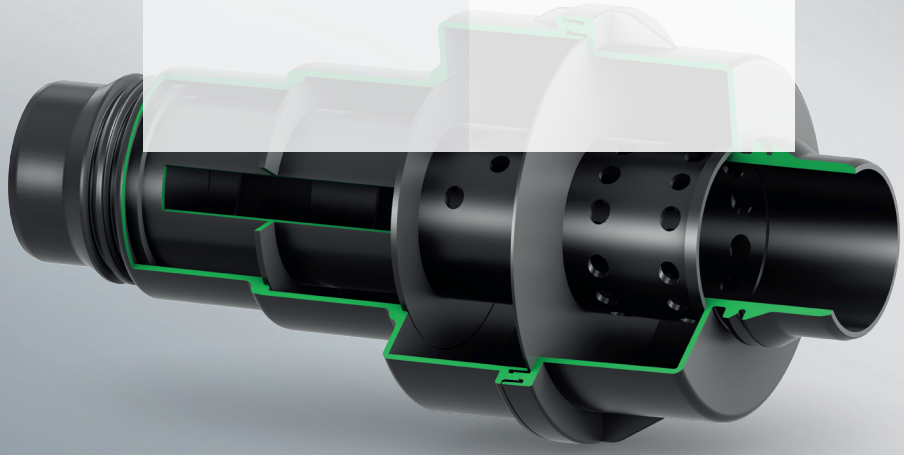
SoundPro
Reduction of aeroacoustics in fuel cell air paths



- ✓ Broadband damping
- ✓ High efficiency
- ✓ Diverse use

Leadership in Filtration

MANN+HUMMEL

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Technical specification

Performance class	**HIGH**	**HIGH+**
Fuel cell stack power [kW]	~ 80 - 130	~ 150 - 200
Air volume flow * [m³/min]	2.0 - 6.5	3.5 - 10.0
Installation position	air intake path: horizontal and vertical exhaust path: vertical	
3-Chamber design		
Acoustic damping (transmission loss) [dB]	**≥ 15**	**≥ 15**
Frequency range V1 [Hz]	1.150 - 7.000	1.500 - 7.000
Frequency range V2 [Hz]	1.540 - 7.000	1.150 - 7.000
Dimensions (A/B/C/D) [mm]	53/66/125/184	63/70/152/202
4-Chamber design		
Acoustic damping (transmission loss) [dB]	**≥ 15**	**≥ 15**
Frequency range V1 [Hz]	800 - 7.000	
Frequency range V2 [Hz]	1.200 - 7.000	
Dimensions (A/B/C/D) [mm]	53/66/131/216	63/70/161/252

** T = 20°C | p = 1013 hPa | φ = 50% rel. humidity*

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

EUROPEAN BATTERY ALLIANCE | EBA250

elektromobilität süd-west

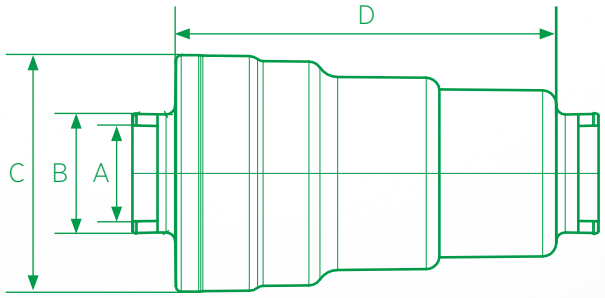
brennstoffzelle BW

FVV

Hydrogen Council

VDMA Arbeitsgemeinschaft Brennstoffzellen

European Clean Hydrogen Alliance

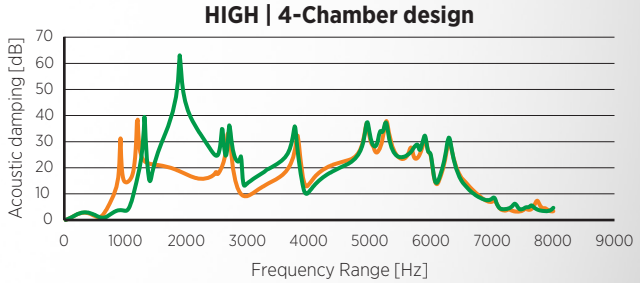


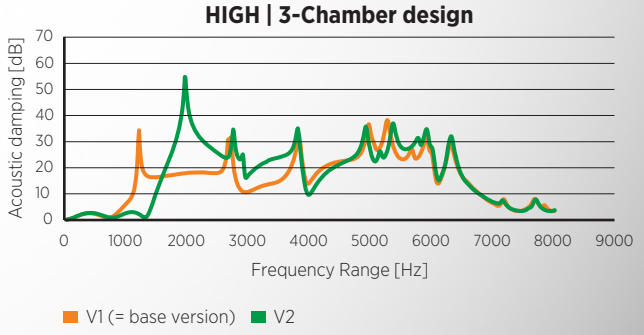
Product features and concept advantages

- Reduces inlet noise and noise radiation of ducts (noise source is mainly the compressor)
- Design suitable for fuel cell cathode intake air path low pressure and high pressure side

Material and resistance

- Rapid part production technology:
  - PA material
  - T = 85 °C (long term, operating)
  - Burst pressure p > 8 bara @ T = 20 °C





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

Watch the video of the broad band silencer for fuel cell systems

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

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