



HC.RESONATOR
FOR CHARGE AIR
SYSTEMS

HEN
Member of **HEN** Connector Group

HC.RESONATOR

FOR CHARGE AIR SYSTEMS

FIELDS OF APPLICATION

Turbo charger outlet

MATERIALS

- Sleeve connector: 1.4016 (AISI 430)
- Quick connector chamber: 1.4301 (AISI 304)
- Hose spigot chamber: 1.4301 (AISI 304)
- Spring clip retainer: PA 66 + PA 6 GF30
- Divider: PA 66 + PA 6 GF30
- Spring clip: 1.4310 (AISI 301)
- Sealing element: FKM

TEMPERATURE RANGE

FKM: -20 – 220°C

PRESSURE RANGE

0,6 – 4,5 bar absolute

PRODUCT BENEFITS

- Can be individually adapted to customer specifications
- Outer rotation lock
- Protection against disassembly
- Protection against single sided engagement
- Low assembly and disassembly forces
- High temperature range
- 100 % traceability with data matrix code
- Short installation length
- Weight saving
- Low system and process costs
- Compatible with VDA standard

ADAPTABLE PARAMETERS

- Transmission loss
- Frequency range

GENERAL INFORMATION

The HENN Resonator (HC.RESONATOR) is a charge air resonator that conforms to the "VDA standard". The HENN Resonator has been in production since 2016. Its robustness, low assembly forces and high quality is at the highest requirements in the automotive industries. The HENN Resonator is manufactured as a stainless steel part, which provides stability and excellent corrosion properties. Automated manufacturing process for full assembly and controlled manufacturing.

The HENN Resonator is a compact resonator to reduce noise emission of turbocharged engines, it is adaptable to many different requirements. Different sizes as well as different frequency ranges are possible on demand.



DIAMETERS / SPECIFICATIONS

	L1 mm	L2 mm	L3 mm	Ø1 mm	Ø2 mm	Ø3 mm	Transmission loss dB	Range 20°C Hz	Range 180°C Hz
HC.RESONATOR 32	47.3	22.1	85.6	39.2	73	76.5	22	1500-2500	1850-3100
HC.RESONATOR 45	87.7	22.2	124.9	46.2	76.8	80.3	26	1900-3150	2400-3900