



TÜV SÜD America Attestation: 72119051-ECE R110

ATTESTATION

Attestation Number: 72119051-ECE R110

Issued To: Swagelok Company
29500 Solon Road
Solon, OH 44139 USA

Standard: Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion.
ECE R110, Revision 3 – Amendment 4.

Components: See list on page 2 of this attestation.

As an independent inspection agency, TÜV SÜD America attests that representative components listed on page 2 of this attestation have met all the design and test qualification requirements of *Specific components of motor vehicles using compressed natural gas (CNG) and/or liquefied natural gas (LNG) in their propulsion (ECE R110, Revision 3 – Amendment 4).*

These components were designed and tested for use with compressed natural gas. These components should be installed, used, and maintained in accordance with the manufacturer's instructions.

Prepared and approved by:

A handwritten signature in blue ink that reads 'André Fréreau'.

André Fréreau, MPM.
Manager Alternative Fuels
TÜV SÜD America,
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11/14/2016.



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List of components attested to ECE R110

Fitting:

Type	Size	Type	Service Pressure (bar)	Temperature Rating (°C)
Swagelok Fitting	18 mm	Union, Cross, Tee, Elbow	200	-40°C to +120°C
	¾ in	Union, Cross, Tee, Elbow	200	-40°C to +120°C
	20 mm	Union, Cross, Tee, Elbow	200	-40°C to +120°C