

CNG High Pressure Piping

MOT Reference	Description
AF C06 001	Steel piping with a maximum outside diameter of 8 mm, a working pressure rating of at least 27.5 MPa and a minimum burst pressure of 70 MPa, manufactured to either Australian Standard AS 1835 or Australian Standard AS 1836.
AF C06 002	Copper brazed steel tubing manufactured in accordance with Australian Standard AS 1751 or ASTM specification A 254 or SAE specification J 527, with a maximum outside diameter of 8 mm, a working pressure rating of at least 27.5 MPa and a minimum burst pressure of 70 MPa.
AF C06 003	Fully annealed high quality seamless, or welded and drawn, stainless steel hydraulic tubing suitable for bending and flaring manufactured in accordance with ASTM specification A 269 or ASTM specification A 213, or equivalent, with a maximum outside diameter of 8 mm, a working pressure rating of at least 27.5 MPa and a minimum burst pressure of 70 MPa.

CNG High Pressure Pipe Connectors and Fittings

MOT Reference	Description
AF C07 001	The "bundyvex" flare system (for joining copper brazed steel tubing only).
AF C07 002	Steel or stainless steel "Keelaring" brand tube couplings manufactured by Lucas Industries of Auckland.
AF C07 003	Steel or stainless steel "Swagelok" brand tube fittings manufactured by the Crawford Fitting Co. of the United States.
AF C07 004	Steel or stainless steel "Gould Hi-Seal" brand tube fittings manufactured by Gould Inc. of the United States.
AF C07 005	Steel "Turner Turnlock" brand tube fittings manufactured by Turner Products of Australia.
AF C07 006	Steel or stainless steel "Cajon" brand tube fittings manufactured by the Cajon Co. of the United States.
AF C07 007	Steel compression fitting pipe connectors manufactured by Repco Manufacturing of Upper Hutt and marked "R1".
AF C07 008	Steel or stainless steel Alenco Metric "ME" series tube fittings manufactured by Alenco Ltd. of the United Kingdom.
AF C07 009	Steel compression fitting pipe connectors supplied as original equipment with CNG fuel systems approved by the Italian Ministry of Transport.
AF C07 010	Steel or stainless steel "Parker CPI" brand tube fittings manufactured by Parker Hannifin Corp. of the United States.

CNG Pressure Gauge Isolators

MOT Reference	Description
AF C08 001	"A4" model pressure gauge isolators manufactured by Melbar Engineering of Petone.
AF C08 002	"V20G" model pressure gauge isolators manufactured by Dual Fuel Corp. of the United States.
AF C08 003	"AP 279" model pressure gauge isolators manufactured by Applied Instruments Ltd. of Auckland.

CNG Pressure Indicating Devices

See the General Approvals listing plus the following:

MOT Reference	Description
AF C09 001	Pressure gauges manufactured and marked according to New Zealand Standard NZS 1084 or British Standard BS 1780 Pt 1 or equivalent, calibrated to read at least 25 MPa or equivalent at full scale deflection.
AF C09 002	Type 79 electrically operated CNG pressure gauges and transducers manufactured by Officine Renzo Landi of Italy.
AF C09 003	Electrically operated CNG pressure gauges and transducers manufactured by Tartarini Spa of Italy.
AF C09 004	Pressure gauges manufactured to American Standards Association Standard ASA B.40.1 and calibrated to read at least 3000 psi at full scale deflection.
AF C09 005	Gauges manufactured to German Standard Institute Standard DIN 16288 and calibrated to read at least 400 kg/cm ² at full scale deflection.
AF C09 006	"IG 148" series pressure gauges manufactured by New Zealand Industrial Gases Ltd., of Napier and marked "CNG NZIG kPa × 100" with the scale marking "0-200". (These gauges may be used with or without an NZIG manufactured strain gauge type remote pressure indicator attached to the gauge).
AF C09 007	"3200 MF" type pressure gauges manufactured by Teltherm Instruments Ltd., of Lower Hutt, calibrated to read 25,000 kPa at full scale deflection.

CNG Lock-off Valves

See the General Approvals listing plus the following:

MOT Reference	AF C10
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CNG Regulators

See the General Approvals listings plus the following:

MOT Reference	Description
AF C11 001	Weldwell model "8020" and "8040" primary regulators manufactured by Nuttall Manufacturing of Napier.
AF C11 002	NZIG "CNG 120" model primary regulators manufactured by New Zealand Industrial Gases of Napier.
AF C11 003	Secondary regulators manufactured by the American Meter Co. of the United States marked "Reliance Gas Regulator—model K".

CNG Low Pressure Hoses, Fittings and Fuel/Air Mixers

See the General Approvals listing plus the following:

MOT Reference	Description
AF C12 001	Any component which is certified by its manufacturer as being suitable for use with CNG at temperatures up to 100° Centigrade with a safety factor of 5 based on expected service pressures.

CNG Miscellaneous Valves and Fittings

See the General Approvals listing plus the following:

MOT Reference	Description
AF C13 001	"Nupro" brand CNG fuel line filters manufactured by the Nupro Company of the United States.

Dated at Wellington this 23rd day of November 1981.

T. A. LISTER, for Secretary for Transport.

*S.R. 1976/227

Amendment No. 1, S.R. 1978/72

Amendment No. 2, S.R. 1978/301

Amendment No. 3, S.R. 1979/128

Amendment No. 4, S.R. 1980/31

Amendment No. 5, S.R. 1980/115

Amendment No. 6, S.R. 1981/158

Amendment No. 7, S.R. 1981/311