



Certificate of Conformity

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Product designation

Mack, Model RED-100S-1(-2), 40mm/50mm/80mm/100mm/150mm/200mm, Pressure Reducing Valves

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Mack Valves Pty Ltd
30 Burgess Road, BAYSWATER, VIC, AUSTRALIA, 3153

Registrant

Mack Valves Pty Ltd
30 Burgess Road, BAYSWATER, VIC, AUSTRALIA, 3153

Producer

Mack Valves Pty Ltd
30 Burgess Road, BAYSWATER, VIC, AUSTRALIA, 3153

Conformance criteria and evaluation

The Mack, Model RED-100S-1(-2), 40mm/50mm/80mm/100mm/150mm/200mm, Pressure Reducing Valves have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. SSL Test Specification 103-91, Version E:March-1993, 'Relief, reducing deluge and pre-action valves for fire protection service'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. The maximum allowable inlet pressure is 2100 kPa (304 psi).

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Mack, Model RED-100S-1(-2), 40mm/50mm/80mm/100mm/150mm/200mm, Pressure Reducing Valves consist of a diaphragm actuated main valve assembly controlled by a pressure reducing pilot valve. An in-situ sensitivity adjustment can be made to the needle valve to adjust the valve closing speed control.

Technical specification

The following details are a representative extract of the technical specification for the Mack, Model RED-100S-1(-2), 40mm/50mm/80mm/100mm/150mm/200mm, Pressure Reducing Valves and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Main valve type:	Diaphragm actuated globe valve
Model:	RED-100S-1, horizontal pipeline RED-100S-2, vertical pipeline
Size:	150 mm inlet and outlet
Rated working pressure:	2100 kPa
Pilot valve:	Type R 128-010 pressure reducing valve
Pilot valve activation:	240 Vac 24 Vdc