



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 41</b>	30-Aug-1989	Number 14	Issue date 26-Apr-2019	30-Apr-2020

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## Product designation

**Viking, Model E-1, 50mm-150mm, Deluge Valves and Trim**

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

## Agent/distributor

Viking Fire Protection Supplies Pty Ltd  
95 – 99 Hardys Road, UNDERDALE, SA, AUSTRALIA, 5032

## Registrant

Viking Fire Protection Supplies Pty Ltd  
95 – 99 Hardys Road, UNDERDALE, SA, AUSTRALIA, 5032

### Producer

The Viking Corporation  
210 North Industrial Park Drive, HASTINGS, MICHIGAN, UNITED STATES, 49058

## Conformance criteria and evaluation

The Viking, Model E-1, 50mm-150mm, Deluge Valves and Trim has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Underwriters Laboratories - Evaluation and listing, 'UL listing'.

## 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 1210 kPa (175 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

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### Producer's description

The Viking, Model E-1, 50mm-150mm, Deluge Valves and Trim are quick opening differential type flood valves using two rolling diaphragms supported by a free piston operating in chamber vented to atmosphere. The valves are used to control water flow in Deluge and Pre-action sprinkler systems. The valves are held closed by water pressure trapped in the priming chamber keeping the system piping dry.

### Technical specification

The following details are a representative extract of the technical specification for the Viking, Model E-1, 50mm-150mm, Deluge Valves and Trim and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

**Size:** 40 mm, 50 mm, 80 mm, 100 mm, 150 mm  
**Connection style:** 40 mm - 1½" NPT Female Inlet and Outlet  
50 mm - 2" NPT Female Inlet and Outlet  
80 mm, 100 mm, 150 mm - Standard flanged inlet and outlet or standard flanged inlet and grooved outlet

Size and outlet type	Friction loss <sup>(1)</sup>	Shipping weight
threaded 50 mm	5.5 m	16 kg
flanged 75 mm	8.8 m	33 kg
grooved 75 mm	8.8 m	30 kg
flanged 100 mm	10.7 m	54 kg
grooved 100 mm	10.7 m	51 kg
flanged 150 mm	10.1 m	100 kg
grooved 150 mm	10.1 m	95 kg

<sup>(1)</sup>Expressed in equivalent length of pipe C=120