



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1021</b>	12-Aug-1996	Number 13	Issue date 26-Apr-2019	30-Apr-2020

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## Product designation

'Automatic', Model 353, 100mm/150mm/200mm, Alarm Valves

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

## Agent/distributor

Kidde Australia  
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

## Registrant

Kidde Australia  
Unit 3, Ground Floor, 10 Ferntree Place, NOTTING HILL, VIC, AUSTRALIA, 3168

### Producer

Badger Fire Protection Inc.  
Route 29 North, CHARLOTTESVILLE, VA, UNITED STATES, 22906

## Conformance criteria and evaluation

The 'Automatic', Model 353, 100mm/150mm/200mm, Alarm Valves have 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. This equipment is to be installed vertically.
- ii. The maximum operating temperature is 40°C.
- iii. 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 Certificate of Conformity

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## Producer's description

The 'Automatic' Model 353 alarm valves are divided seat ring, rubber faced clapper, check type water-flow alarm valves which are intended for use in wet pipe fire protection systems. They are designed to automatically actuate electrically and/or hydraulically operated alarms when there is a steady flow of water into the system which is equivalent to the discharge rate of one or more sprinklers.

## Technical specification

The following details are a representative extract of the technical specification for the 'Automatic', Model 353, 100mm/150mm/200mm, Alarm Valves and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

<b>Sizes:</b>	100 mm, 150 mm, and 200 mm
<b>Connection style:</b>	ANSI Class 125 Flanged inlet and outlet
<b>Friction loss:</b>	(Expressed in equivalent length of pipe based on Hazen-Williams formula with C=120):
100 mm valve:	Approximately 2.7 m
150 mm valve:	Approximately 1.3 m
200 mm valve:	Approximately 5.5 m

## Supplementary information

Available with two (2) different basic trim sets.

One trim set is for variable supply pressure and the other for constant supply pressure.