



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3106	11-Jan-2017	Number 1	Issue date 11-Jan-2017	30-Apr-2018

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Product designation

Repipe Flo, PFHG Series, plain end and roll grooved end, fire sprinkler/hydrant pipe

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

Agent/distributor

Repipe Connection Pty Ltd
22 Spencer Street, FIVE DOCK, NSW, AUSTRALIA, 2046

Registrant

Repipe Connection Pty Ltd
22 Spencer Street, FIVE DOCK, NSW, AUSTRALIA, 2046

Producer

FlowCOM Mechanical Technology Co Ltd
No. 8 Dongfang Raod, Lianfang Tower, 23rd Floor, Suite F, SHANGHAI, CHINA, 200120

Conformance criteria and evaluation

The Repipe Flo, PFHG Series, plain end and roll grooved end, fire sprinkler/hydrant pipe has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 4118.2.1-1995, 'Fire sprinkler systems - Piping - General' incl. Amdt 1 (22 June 2005).
2. Approval Standard FM Class Number 1630, 'Approval Standard for Steel Pipe for Automatic Fire Sprinkler Systems'.
3. ASTM A135/A135M, 'Standard Specification for Electric-Resistance-Welded Steel Pipe'.
4. ASTM A795/A795M, 'Standard Specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Protection Use'.
5. Australian Standard AS 2419.1-2005, 'Fire hydrant installations - System design, installation and commissioning'.

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.

(Limitations/conditions of conformance continue)

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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- i. System design and installation shall be determined and verified in accordance with the performance and prescribed requirements of the regulations, standards and criteria as specified by the building code and authorities having jurisdiction.
- ii. System design and installation requirements may specify a minimum wall thickness that precludes the use of some of the scheduled pipe sizes for certain applications and locations.
- iii. The dimensional and mechanical compatibility of pipes must be verified with the sizes of components by which they are connected or to which they connect.
- iv. When specified, the manufacturing unit shall provide a mill test certificate for conformance validation of a pipe supply order.

Technical specification

The following details are a representative extract of the technical specification for the Repipe Flo, PFHG Series, plain end and roll grooved end, fire sprinkler/hydrant pipe and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Code	Diameter	Wall thickness
PFHG-100	DN 100	3.05 mm
PFHG-150	DN 150	3.40 mm

Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Extracts	As per schedule (next column)	REPIPE FLO Schedule 10, 40 REPIPE FLO I, II, III, Lightwall pipe Verification document schedule fm_rePipeFloSch10_2016-10-27.pdf fm_rePipeFloSch40_2016-10-27.pdf fm_rePipeFlowI_2016-10-27.pdf fm_rePipeFlowIIa_2016-10-27.pdf fm_rePipeFlowIIb_2016-10-27.pdf fm_rePipeFlowIIIa_2016-10-27.pdf fm_rePipeFlowIIlb_2016-10-27.pdf	27-Oct-2016	FM Approvals, US
Approval Identification	3045964	Certificate of Compliance REPIPE FLO I, REPIPE FLO II, REPIPE FLO III Sizes 1-1/4 to 6 inch NPS Prepared for FlowCOM Mechanical Technology Co Ltd No. 8 Dongfang Raod, Lianfang Tower, 23rd Floor, Suite F, SHANGHAI, 200120, CHINA Approvals Class: 1630	21-Sep-2012	
Document	Certificate of Production.	Certificate of Production TFQ-1608051, TFQ-1608052, TFQ-1608053, TFQ-1608054, TFQ-1608055, TFQ-1608056 (2016-8-22 Certificate of Production.pdf)	22-Aug-2016	Tai Feng Qiao Metal Products Co., Ltd, CN
Certificate	TFQ-1608052 TFQ-1608054 TFQ-1608055 TFQ-1608056	Mill Test Certificates PFHG-100, TFQ-1608052, TFQ-1608054, TFQ-1608056 PFHG-150, TFQ-1608052, TFQ-1608055 FM Approved imprint (2016-8-22 MTC.XLS)		FlowCOM Mechanical Technology Co Ltd, CN
Data sheet	HDG RG Light Wall Pipe.docx	REPIPE HDG ROLL GROOVED LINEPIPE REPIPE-FLO ROLL GROOVED HOT DIPPED GALVANISED LINEPIPE Industrial Plumbing/Fire Systems, Fully Compliant with the Requirements of AS2419 & AS4118 (APPROVED HDG RG Light Wall Pipe.docx)	7-Oct-2016	Repipe Connection Pty Ltd, VIC, AU