

Certificate of Conformity

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Product designation

Recomb, Models XGQT01 to XGQT08 and XGQT3, pipe fittings
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Firequip Pty Ltd
2 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Registrant

Firequip Pty Ltd
2 Pike Street, RYDALMERE, NSW, AUSTRALIA, 2116

Producer

Shanghai Recomb Piping System Co. Ltd
270 Yixian Road, SHANGHAI, CHINA, 200434

Conformance criteria and evaluation

The Recomb, Models XGQT01 to XGQT08 and XGQT3, pipe fittings have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Factory Mutual - Evaluation, surveillance and approval, 'FM approval'.

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. Installation pressures not exceeding the rated pressure specified by the listing and manufacturers recommendations.
- ii. Use of assembly components, including EPDM gaskets, nuts and bolts, as specified and supplied by the manufacturer.
- iii. Minimum schedule rolled groove pipe, 150NS or smaller-Schedule 10, 200NS or larger-5mm minimum wall thickness.
- iv. Minimum schedule cut groove pipe, 150NS or smaller-Schedule 40, 200NS or larger-Schedule 30.

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



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Producer's description

The Recomb, Models XGQT01 to XGQT08 and XGQT3, pipe fittings include a broad range of fittings in sizes through 300 mm in a variety of straight, radius, angled, reducing and mechanical styles. The pressure ratings of the Recomb, Models XGQT01 to XGQT08 and XGQT3, pipe fittings are suitable for use with suitable Recomb pipe couplings. All fittings are supplied with grooves or shoulders to permit fast installation without field preparation.

Technical specification

The following details are a representative extract of the technical specification for the Recomb, Models XGQT01 to XGQT08 and XGQT3, pipe fittings and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Model details

Model	Type	Sizes (Nominal*)	Rated pressure
XGQT01	90° elbow	32 mm, 40 mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
		250 mm, 350 mm	1205 kPa
XGQT02	45° elbow	32 mm, 40 mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
		250 mm, 350 mm	1205 kPa
XGQT03	Equal tee	32 mm, 40 mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
		250 mm, 300 mm	1205 kPa
XGQT04	Reducing tee	80 mm x 65 mm	2070 kPa
		100 mm x 65 mm \ 80 mm	
		125 mm x 65 mm \ 80 mm \ 100 mm	
		150 mm x 65 mm \ 80 mm \ 100 mm \ 125 mm	
		200 mm x 100 mm \ 125 mm \ 150 mm	
		250 mm x 150 mm \ 200 mm	1205 kPa
		300 mm x 150 mm \ 200 mm \ 250 mm	
XGQT05	Equal cross	50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
		250 mm, 300 mm	1205 kPa
XGQT06	Cap	32 mm, 40 mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
		250 mm, 300 mm	1205 kPa
XGQT07	Reducer, grooved, concentric or eccentric	65 mm x 50 mm	2070 kPa
		80 mm 50 mm \ 65 mm	
		100 mm x 65 mm \ 80 mm	
		125 mm x 65 mm \ 80 mm \ 100 mm	
		150 mm x 65 mm \ 80 mm \ 100 mm \ 125 mm	
		200 mm x 65 mm \ 80 mm \ 100 mm \ 125 mm \ 150 mm	
		250 mm x 100 mm \ 125 mm \ 150 mm \ 200 mm	1205 kPa
		300 mm x 150 mm \ 200 mm \ 250 mm	
	Reducer, threaded, concentric or eccentric	50 mm 25 mm \ 32 mm \ 40 mm	2070 kPa
		65 mm x 25 mm \ 32 mm \ 40 mm	
		80 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm	
		100 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm	
		125 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm	
		150 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm	
XGQT08	Flange	50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
		250 mm, 300 mm	1205 kPa
XGQT10	22½° elbow	65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm	2070 kPa
XGQT3	Mechanical tee, threaded branch	50 mm x 25 mm	2070 kPa
		65 mm x 25 mm \ 32 mm \ 40 mm	
		80 mm x 25 mm \ 32 mm \ 40 mm	
		100 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm \ 65 mm	
		125 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm \ 65 mm \ 80 mm	
		150 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm \ 65 mm \ 80 mm	
		200 mm x 25 mm \ 32 mm \ 40 mm \ 50 mm \ 65 mm \ 80 mm	
		250 mm x 50 mm \ 65 mm \ 80 mm	1205 kPa
	Mechanical tee, grooved branch	100 mm x 50 mm \ 65 mm	2070 kPa
		125 mm x 65 mm \ 80 mm	
		150 mm x 50 mm \ 65 mm \ 80 mm \ 100 mm	
		200 mm x 50 mm \ 65 mm \ 80 mm \ 100 mm	
		250 mm x 50 mm \ 65 mm \ 80 mm \ 100 mm	1205 kPa

* The dimensional compatibility of the fitting must be verified with the actual size of the pipe to which it is to be connected. Refer to manufacturer's technical data.

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Components

Housing:	Material:	Ductile iron casting to ASTM A-536 and GBI348-88
Gasket:	Material:	EPDM, ISO:6182
	Colour:	Black
	Temperature range:	-34°C to +140°C
Assembly:	Bolts:	Grade 8.8, white-blue galvanised, heat treated