

Certificate of Product Approval

Certificate Number: 169g

Issue: 02

Tyco Building Services Products B.V.

Kopersteden 1
7547 TJ Enschede
The Netherlands



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Products

'Grinnell' G-Press Lightweight Stainless Steel Sprinkler Pipework System

(Refer to attached appendix for details)

Standards

TS1599: Issue draft 5

Requirements and testing procedures for the LPCB approval and listing of press-fit pipe and couplings / fittings

This certificate and appendix is maintained and held in force through regular surveillance activities

Signed for BRE Global Ltd.

Sarah Colwell

Verifier

4 November 2020

Date of Issue

9 May 2012

Date of First Issue



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Appendix to Certificate No: 169g Tyco Building Services Products B.V.

Issue: 02

'Grinnell' G-Press Lightweight Stainless Steel Sprinkler Pipework System to TS1599: Issue draft 5

| Product | Description | Size (mm) | LPCB Ref. No. |
|----------------------------------|---|--------------------|---------------|
| PIPE SS1 PIPE SS2 PIPE SS3 | Stainless steel tube 1.4401 Stainless steel tube 1.4520 Stainless steel tube 1.4521 | 22, 28, 35, 42, 54 | 169g/01 |
| G05S | Straight Coupling (2 x press) | 22, 28, 35, 42, 54 | 169g/02 |
| G10S | Slip Coupling (2 x press) | 22, 28, 35, 42, 54 | 169g/03 |
| G15S | 90° Elbow (2 x press) | 22, 28, 35, 42, 54 | 169g/04 |
| G16S | 90° Elbow (press x plain end) | 22, 28, 35, 42, 54 | 169g/05 |
| G20S | 45° Elbow (2 x press) | 22, 28, 35, 42, 54 | 169g/06 |
| G21S | 45° Elbow (press x plain end) | 22, 28, 35, 42, 54 | 169g/07 |
| G25S | 90° Bend (2 x plain end) | 22, 28, 35, 42, 54 | 169g/08 |
| G26S | 60° Bend (2 x plain end) | 28, 35, 42, 54 | 169g/09 |
| G27S | 30° Bend (2 x plain end) | 28, 35, 42, 54 | 169g/10 |
| G28S | 15° Bend (2 x plain end) | 28, 35, 42, 54 | 169g/11 |

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| Product | Description | Size (mm) | LPCB Ref. No. |
|---------|---|---|---------------|
| G30S | Cross over (2 x plain end) | 22, 28 | 169g/12 |
| G35S | Tee equal (3 x press) | 22, 28, 35, 42, 54 | 169g/13 |
| G36S | Tee reduced (3 x press) | 28x22x28, 35x22x35, 35x28x35, 42x22x42, 42x28x42, 42x35x42, 54x22x54, 54x28x54, 54x35x54, 54x42x54 | 169g/14 |
| G37S | Tee threaded (press x fem. thread x press) | 22x1/2" x 22, 22x3/4" x 22, 28x1/2" x 28, 28x3/4" x 28, 28x1" x 28, 35x1/2" x 35, 35x3/4" x 35, 35x1" x 35, 42x1/2" x 42, 42x3/4" x 42, 42x1" x 42, 54x1/2" x 54, 54x3/4" x 54, 54x1" x 54, 54x2" x 54 | 169g/15 |
| G40S | Reducer (press x plain end) | 28x22, 35x22, 35x28, 42x28, 42x35, 54x35, 54x42, | 169g/16 |
| G46S | Straight connector (press x female thread) | 22x1/2", 22x3/4", 22x1", 28x1/2", 28x3/4", 28x1", 28x1 1/4", 35x1", 35x1 1/4", 35x1 1/2", 42x1 1/4", 42x1 1/2", 54x1 1/2", 54x2" | 169g/17 |
| G45S | Straight connector (press x male thread) | 22x1/2", 22x3/4", 22x1", 28x3/4", 28x1", 28x1 1/4", 35x1", 35x1 1/4", 35x1 1/2", 42x1 1/4", 42x1 1/2", 54x1 1/2", 54x2" | 169g/18 |
| G47S | Straight union (press x male thread) | 22x1/2", 22x3/4", 22x1", 28x1", 35x1 1/4", 42x1 1/2", 54x2" | 169g/19 |
| G51S | Straight union (press x female thread) | 22x3/4", 22x1", 28x1", 35x1 1/4", 42x1 1/2", 54x2" | 169g/20 |
| G17S | 90° Elbow (press x male thread) | 22x3/4", 28x1", 35x1 1/4", 42x1 1/2", 54x2" | 169g/21 |
| G18S | 90° Elbow (press x female thread) | 22x1/2", 22x3/4", 28x1/2", 28x3/4", 28x1", 35x1/2", 35x3/4", 35x1", 35x1 1/4" | 169g/22 |

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| Product | Description | Size (mm) | LPCB Ref. No. |
|---------|---|------------------------------------|---------------|
| G48S | Transition connector (press x grooved) | 28x33.7, 35x42.4, 42x48.3, 54x60.3 | 169g/25 |
| G50S | Stop end (1 x press) | 22, 28, 35, 42, 54 | 169g/26 |
| G11S | Slip coupling (press x female thread) | 22x½", 22x¾", 28x½", 28x¾" | 169g/27 |

Notes:

1. The above GRINNELL G-Press pipework and fittings are to be installed using the Novopress ECO301, ACO201, ACO202, ECO201, ECO202, EFP2, EFP202 and Klauke UAP2 pressing tools in accordance with the GRINNELL G-Press User Manual. These tools shall be serviced and maintained in accordance with the manufacturer's stated guidelines.
2. GRINNELL G-Press pipework and fittings may only be installed by LPCB Approved Sprinkler Contractors who have undergone adequate training by the manufacturer.
3. GRINNELL G-Press pipework and fittings shall be installed in accordance with the GRINNELL User Manual: G-Press Manual TYCENPRESS-10/11.
4. GRINNELL G-Press pipework and fittings shall be installed and maintained in conformance with the LPC Rules for Automatic Sprinkler Installations.
5. The use of GRINNELL G-Press Sprinkler System pipework and fittings shall be recorded on LPS1048 certificates of conformity.
6. Where a GRINNELL Reducer is installed, a pipe hanger shall be used adjacent to the reducer on the larger pipe.
7. Where GRINNELL system pipework is connected to sprinklers in suspended ceilings, only LPCB Approved flexible drops shall be used.
8. GRINNELL G-Press pipework and fittings are not compatible with lightweight piping systems from other manufacturers.

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