

Loss Prevention Certification Board

LPCB

This is to certify

VSH Fittings BV

Oude Amersfoortseweg 99, 1212 AA Hilversum, Netherlands

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix.

**VSH XPress Lightweight Stainless Steel
Sprinkler Pipework Systems**
(refer to attached appendix for details)

which have complied with the requirements of the following:

TS1599: Issue draft 5

Certificate No. 1033b

Issue No. 03

Date of Issue 11 October 2012

This certificate is valid until withdrawn by LPCB.
To check the validity and the authenticity of this certificate please
visit our website www.RedBookLive.com or contact us.

Signed on behalf of LPCB



M A Chaplin



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APPENDIX TO CERTIFICATE NO. 1033b

VSH Fittings BV

Certificate No 1033b to TS1599 Issue draft 5

VSH XPress Lightweight Stainless Steel Sprinkler Pipework System

Product Code	Description	Size/mm	LPCB Ref
R 2750	Stainless steel tube 1.4401		
R 2752	Stainless steel tube 1.4521	22, 28, 35, 42, 54	1033b/01
R 2753	Stainless steel tube 1.4520		
R 2701	Straight Coupling (2 x press)	22, 28, 35, 42, 54	1033b/02
R 2703	Slip Coupling (2 x press)	22, 28, 35, 42, 54	1033b/03
R 2708	90° Elbow (2 x press)	22, 28, 35, 42, 54	1033b/04
R 2711	90° Elbow (press x plain end)	22, 28, 35, 42, 54	1033b/05
R 2713	45° Elbow (2 x press)	22, 28, 35, 42, 54	1033b/06
R 2712	45° Elbow (press x plain end)	22, 28, 35, 42, 54	1033b/07
R 2725	90° Bend (2 x plain end)	22, 28, 35, 42, 54	1033b/08
R 2724	60° Bend (2 x plain end)	28, 35, 42, 54	1033b/09

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Product Code	Description	Size/mm	LPCB Ref
R 2723	30° Bend (2 x plain end)	28, 35, 42, 54	1033b/10
R 2722	15° Bend (2 x plain end)	28, 35, 42, 54	1033b/11
R 2717	Cross over (2 x plain end)	22, 28	1033b/12
R 2714	Tee equal (3 x press)	22, 28, 35, 42, 54	1033b/13
R 2715	Tee reduced (3 x press)	28x22x28, 35x22x35, 35x28x35, 42x22x42, 42x28x42, 42x35x42, 54x22x54, 54x28x54, 54x35x54, 54x42x54	1033b/14
R 2718	Tee threaded (press x fem. thread x press)	22x1/2"x22, 22x3/4"x22, 28x1/2"x28, 28x3/4"x28, 28x1"x28, 35x1/2"x35, 35x3/4"x35, 35x1"x35, 42x1/2"x42, 42x3/4"x42, 42x1"x42, 54x1/2"x54, 54x3/4"x54, 54x1"x54, 54x2"x54	1033b/15
R 2707	Reducer (press x plain end)	28x22, 35x22, 35x28, 42x28, 42x35, 54x35, 54x42,	1033b/16
R 2702	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"	1033b/17
R 2705	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"	1033b/18
R 2735	Straight union (press x male thread)	22x1/2", 22x3/4", 22x1", 28x1", 35x1 1/4", 42x1 1/2", 54x2"	1033b/19

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VSH Fittings BV

Product Code	Description	Size/mm	LPCB Ref
R 2738	Straight union (press x female thread)	22x $\frac{3}{4}$ ", 22x1", 28x1", 35x1 $\frac{1}{4}$ ", 42x1 $\frac{1}{2}$ ", 54x2"	1033b/20
R 2728	90° Angle adaptor (press x male thread)	22x $\frac{3}{4}$ ", 28x1", 35x1 $\frac{1}{4}$ ", 42x1 $\frac{1}{2}$ ", 54x2"	1033b/21
R 2709	90° Angle adaptor (press x female thread)	22x $\frac{1}{2}$ ", 22x $\frac{3}{4}$ ", 28x $\frac{1}{2}$ ", 28x $\frac{3}{4}$ ", 28x1", 35x $\frac{1}{2}$ ", 35x $\frac{3}{4}$ ", 35x1", 35x1 $\frac{1}{4}$ "	1033b/22
R 2704	Coupling with nut (press x female thread)	22, 28, 35, 42, 54	1033b/23
R 2726	Flanged connector (press x flange)	22, 28, 35, 42, 54	1033b/24
R 2748	Transition connector (press x grooved)	28x33.7, 35x42.4, 42x48.3, 54x60.3	1033b/25
R 2729	Stop end (1 x press)	22, 28, 35, 42, 54	1033b/26
R 2741	Slip coupling (press x female thread)	22x $\frac{1}{2}$ ", 22x $\frac{3}{4}$ ", 28x $\frac{1}{2}$ ", 28x $\frac{3}{4}$ "	1033b/27
R 2736	Coupling (press x flat seal)	22x1 $\frac{1}{4}$ ", 22x1 $\frac{1}{2}$ ", 28x1 $\frac{1}{2}$ ", 35x2", 42x2 $\frac{1}{4}$ ", 54x2 $\frac{3}{4}$ "	1033b/28

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Notes

1. The above VSH XPress 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 VSH User Manual. These tools shall be serviced and maintained in accordance with the manufacturer's stated guidelines.
2. VSH XPress pipework and fittings may only be installed by LPCB Approved Sprinkler Contractors who have undergone adequate training by the manufacturer.
3. VSH XPress pipework and fittings shall be installed in accordance with the VSH User Manual: XPress Sprinkler EN-12-1.0.
4. VSH XPress pipework and fittings shall be installed and maintained in conformance with the LPC Rules for Automatic Sprinkler Installations.
5. The use of VSH XPress Sprinkler System pipework and fittings shall be recorded on LPS1048 certificates of conformity.
6. Where a VSH Reducer is installed, a pipe hanger shall be used adjacent to the reducer on the larger pipe.
7. Where VSH system pipework is connected to sprinklers in suspended ceilings, only LPCB Approved flexible drops shall be used.
8. VSH XPress pipework and fittings are not compatible with lightweight piping systems from other manufacturers.

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