

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 Galvanized 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. 1033a

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This certificate is valid until withdrawn by LPCB.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. 1033a

VSH Fittings BV

Certificate No 1033a to TS1599 Issue draft 5

VSH XPress Lightweight Galvanized Steel Sprinkler Pipework System

Product Code	Description	Size/mm	LPCB Ref
C 1461	Galvanised tube	22, 28, 35, 42, 54	1033a/01
C 1401	Straight Coupling (2 x press)	22, 28, 35, 42, 54	1033a/02
C 1403	Slip Coupling (2 x press)	22, 28, 35, 42, 54	1033a/03
C 1408	90° Elbow (2 x press)	22, 28, 35, 42, 54	1033a/04
C 1411	90° Elbow (press x plain end)	22, 28, 35, 42, 54	1033a/05
C 1413	45° Elbow (2 x press)	22, 28, 35, 42, 54	1033a/06
C 1412	45° Elbow (press x plain end)	22, 28, 35, 42, 54	1033a/07
C 1425	90° Bend (2 x plain end)	22, 28, 35, 42, 54	1033a/08
C 1417	Cross over (2 x plain end)	22, 28	1033a/09
C 1414	Tee equal (3 x press)	22, 28, 35, 42, 54	1033a/10

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Product Code	Description	Size/mm	LPCB Ref
C 1415	Tee reduced (3 x press)	22x28x22, 28x22x28, 35x22x35, 35x28x35, 42x22x42, 42x28x42, 42x35x42, 54x22x54, 54x28x54, 54x35x54, 54x42x54	1033a/11
C 1418	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	1033a/12
C 1407	Reducer (plain end x press)	28x22, 35x22, 35x28, 42x28, 42x35, 54x35, 54x42,	1033a/13
C 1439	Reducer (2 x press)	28x22	1033a/14
C 1433	Straight connector (plain end x female thread)	22x1/2", 22x3/4"	1033a/15
C 1402	Straight connector (press x female thread)	22x1/2", 22x3/4", 28x1/2", 28x3/4", 28x1", 35x1/2", 35x3/4", 35x1", 35x1 1/4", 42x1 1/2", 54x2"	1033a/16
C 1405	Straight connector (press x male thread)	22x1/2", 22x3/4", 22x1", 28x3/4", 28x1", 35x1", 35x1 1/4", 42x1 1/2", 54x2"	1033a/17
C 1435	Straight union (press x male thread)	22x3/4", 28x1", 35x1 1/4", 42x1 1/2", 54x2"	1033a/18
C 1428	90° Angle adaptor (press x male thread)	22x3/4"	1033a/19
C 1430	90° Elbow (press x male thread)	22x3/4", 28x1", 35x1 1/4", 42x1 1/2", 54x2",	1033a/20
C 1438	90° Elbow (press x female thread)	22x1/2", 22x3/4", 28x1/2", 28x3/4", 28x1", 35x1/2", 35x3/4", 35x1"	1033a/21

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Product Code	Description	Size/mm	LPCB Ref
C 1442	Transition connector (press x grooved)	28x33.7, 35x42.4, 42x48.3, 54x60.3	1033a/22
C 1429	Stop end (1 x press)	22, 28, 35, 42, 54	1033a/23
C 1443	Slip coupling (press x female thread)	22x½", 22x¾", 28x½", 28x¾"	1033a/24
C 1409	Angle adaptor (press x female thread)	22x½", 28x½", 35x½"	1033a/25
C 1444	Straight union (press x female thread)	22x¾", 28x1", 35x1¼", 42x1½", 54x2"	1033a/26
C 1446	Coupling with nut (press x female thread)	22, 28, 35, 42, 54	1033a/27

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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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