

Kitemark™ Certificate

This is to certify that:

Aalberts Integrated Piping Systems B.V
Oude Amersfoortseweg 99
Hilversum
1212 AA
The Netherlands

Holds Certificate Number:

KM 789225

In respect of:

BS EN 1254-7
Copper and copper alloys - Plumbing fittings Press fittings for use with metallic tubes

This issues the right and licence to use the Kitemark in accordance with the Kitemark Terms and Conditions governing the use of the Kitemark, as may be updated from time to time by BSI Assurance UK Ltd (the "Conditions"). All defined terms in this Certificate shall have the same meaning as in the Conditions.

The use of the Kitemark is authorized in respect of the Product(s) detailed on this Certificate provided at or from the above address.



For and on behalf of BSI:

Shahm Barhom, Group Product Certification Director

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Effective Date: 2025-01-02

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Kitemark™ Certificate

No. KM 789225

BS EN 1254-7:2021 Copper and copper alloys. Plumbing fittings - Press fittings for use with metallic tubes

Aalberts integrated piping systems VSH XPress range of press fittings suitable for use with hard and half-hard copper tube.

Type 1 (Water) Fittings

Ambient Temperature Range: 15°C to 95°C. Maximum Operating Pressure (MOP): 16 bar.

Available in any combination of press-end sizes: 12mm, 15mm, 18mm, 22mm, 28mm, 35mm, 42mm, 54mm, 66.7mm, 76.1mm, 88.9mm and 108mm.

Description	Part Number	Description	Part Number
Straight coupling	S1/7270	Obtuse elbow	S21/7041
Reduced coupling	S1R/7240	Obtuse street elbow	S21S/7040
Straight coupling slip pattern	S1 SLIP/7270S	Partial crossover	S22/7086
Straight female connector	S2/6270G	Full crossover	S23/7085
Straight male connector	S3/6243G	Equal tee	S24/7130
Reducer	S6/7243	Tee reducing branch	S25/7125
Female adapter	S7/6246G	Tee one end reduced	S26/7126
Male adapter	S8/6280G	Tee one end and branch reduced	S27/7127
Union coupling	S11/6330	Tee both ends reduced	S28/7128
90° elbow	S12/7002A	Female branch tee	S30/6130G
90° reduced elbow coupling	S12R/7002A	Stop end	S61/7301
Street elbow	S12S/7001A	90° connector	S65F/6096G
Male elbow	S13/6092G	Union coupling	S68FF/6359
Female elbow	S14/6090G	Straight male union connector	S69/6331G
Backplate elbow	S15/6472G	Straight female union connector	S69F/6330G
Backplate elbow long pattern	S15L/6472L	Brass coupling with threaded port	S32/6131

Type 1 (Water) Fittings Materials

Material	Standard(s)	Composition	Relevant Fittings
Copper – SF-Cu	EN 1787	Cu 99.9% – P 0.015-0.040%	All copper fittings
Copper – Cu-DHP	EN 1652 EN 1653	Cu 99.9% – P 0.015-0.040%	6130, 7085, 7086, 7301
Brass	EN 1982 CC491K (Rg5)	CuSn5Zn5Pb5-C – Cu 83/87%, Ni 2%, P 0.1%, Pb 4/6%, Sn 4/6%, Zn 4/6%	All brass fittings
Brazing	DIN 2856 EN 1254-4	N/A	6090, 6092, 6472
Seals Superior EP1/1/5	EN681-1 WRAS	Ethylene-propylene elastomer. Peroxide cured.	All Type 1 fittings

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Aalberts integrated piping systems VSH XPress range of press fittings suitable for use with hard and half-hard copper tube.

Type 2 (Gas) Fittings

Ambient Temperature Range: -20°C to +70°C. High Thermal Capacity: 650°C for 30 mins.

MOP: 5 bar (external above ground), 1 bar (within buildings that are subject to fire regulations).

Available in any combination of press-end sizes: 15mm, 18mm, 22mm, 28mm, 35mm, 42mm, 54mm, 66.7mm, 76.1mm and 108mm.

Description	Part Number
Straight coupling	SG1/G7270
Straight coupling slip pattern	SG1 SLIP/G7270S
Straight female connector	SG2/G6270G
Straight male connector	SG3/G6243G
Reducer larger end male insertion to press fitting	SG6/G7243
Union coupling	SG11/G6340
90° elbow coupling	SG12/G7002A
Street elbow male end for insertion to press fitting	SG12S/G7001A
Male elbow connector	SG13/G6092G
Female elbow connector	SG14/G6090G
Backplate elbow	SG15/G6471G

Description	Part Number
Obtuse elbow	SG21/G7041
Obtuse street elbow male end for insertion to press fitting	SG21S/G7040
Partial crossover male end for insertion to press fitting	SG22/G7086
Full crossover	SG23/G7085
Equal tee	SG24/G7130
Tee reduced branch	SG25/G7125
Tee one end reduced	SG26/G7126
Tee one end and branch reduced	SG27/G7127
Female branch tee	SG30/G6130G
Stop end	SG61/G7301
Flat faced union adapter	SG68FF/SG6360

Type 2 (Gas) Fittings Materials

Material	Standard(s)	Composition	Relevant Fittings
Copper – SF-Cu	EN 1787	Cu 99.9% – P 0.015-0.040%	All copper fittings
Copper – Cu-DHP	EN 1652 EN 1653	Cu 99.9% – P 0.015-0.040%	6130, 7085, 7086, 7301
Brass	EN 1982 CC491K (Rg5)	CuSn5Zn5Pb5-C – Cu 83/87%, Ni 2%, P 0.1%, Pb 4/6%, Sn 4/6%, Zn 4/6%	All brass fittings
Seals Superior TH5/03/1	EN 682 EN 549	HNBR - yellow	All type 2 fittings

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Aalberts integrated piping systems VSH XPress range of press fittings suitable for use with hard and half-hard copper tube.

Compressed Air Fittings

Ambient Temperature Range: 5°C to 35°C. Maximum Operating Pressure (MOP): 10 bar.

Available in any combination of press-end sizes: 12mm, 15mm, 18mm, 22mm, 28mm, 35mm, 42mm, 54mm.

Description	Part Number
Straight coupling	S1/7270
Reduced coupling	S1R/7240
Straight coupling slip pattern	S1 SLIP/7270S
Straight female connector	S2/6270G
Straight male connector	S3/6243G
Reducer	S6/7243
Female adapter	S7/6246G
Male adapter	S8/6280G
Union coupling	S11/6330
90° elbow	S12/7002A
90° reduced elbow coupling	S12R/7002A
Street elbow	S12S/7001A
Male elbow	S13/6092G
Female elbow	S14/6090G
Backplate elbow	S15/6472G
Backplate elbow long pattern	S15L/6472L

Description	Part Number
Obtuse elbow	S21/7041
Obtuse street elbow	S21S/7040
Partial crossover	S22/7086
Full crossover	S23/7085
Equal tee	S24/7130
Tee reducing branch	S25/7125
Tee one end reduced	S26/7126
Tee one end and branch reduced	S27/7127
Tee both ends reduced	S28/7128
Female branch tee	S30/6130G
Stop end	S61/7301
90° connector	S65F/6096G
Union coupling	S68FF/6359
Straight male union connector	S69/6331G
Straight female union connector	S69F/6330G

Compressed Air Fittings Materials

Material	Standard(s)	Composition	Relevant Fittings
Copper – SF-Cu	EN 1787	Cu 99.9% – P 0.015-0.040%	All copper fittings
Copper – Cu-DHP	EN 1652 EN 1653	Cu 99.9% – P 0.015-0.040%	6130, 7085, 7086, 7301
Brass	EN 1982 CC491K (Rg5)	CuSn5Zn5Pb5-C – Cu 83/87%, Ni 2%, P 0.1%, Pb 4/6%, Sn 4/6%, Zn 4/6%	All brass fittings
Seals Superior EP1/1/5	EN681-1 WRAS	Ethylene-propylene elastomer. Peroxide cured.	Compressed air with oil content up to 25 mg/m ³ only
Seals Superior TH5/03/1	EN 682 EN 549	HNBR - yellow	Compressed air
Seals Superior GR1	EN 682 EN 549	Viton fluoroelastomer – light green	Compressed air

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Aalberts integrated piping systems VSH XPress range of press fittings suitable for use with hard and half-hard copper tube.

Manufacturing Locations

12mm to 28mm sizes:

Aalberts integrated piping systems SAS
46, rue de l'Industrie
Saint Denis de l'Hôtel
45550
France

35mm to 108mm sizes:

Aalberts integrated piping systems Kft
Gyártó Kft
Maglódi út 16
Budapest
H-1106
Hungary



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