

## Certificate of Product Approval

Certificate Number: 448a

Issue: 09

### Aalberts Integrated Piping Systems APAC Inc

No. 295, Sec. 3  
Wandan Road  
Wandan Township  
Pingtung  
Taiwan  
ROC



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 requirement(s) of the standards as detailed below:

#### Products

##### Pipe Couplings and Fittings

(Refer to attached appendix for details)

#### Standards

##### LPS 1219

Requirements and testing procedures for the LPCB approval and listing of pipe couplings

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Signed for BRE Global Ltd.

Sarah Colwell

Verifier

21 October 2022

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## Appendix to Certificate No: 448a Aalberts Integrated Piping Systems APAC Inc

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### Pipe Couplings to LPS 1219

Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
Fig. 7705	50	60.3	R&C	EPDM	20	448a/01
Fig. 7705	65	76.1	R&C	EPDM	20	448a/01
Fig. 7705	80	88.9	R&C	EPDM	20	448a/01
Fig. 7705	100	114.3	R&C	EPDM	20	448a/01
Fig. 7705	125	139.7	R&C	EPDM	20	448a/01
Fig. 7705	150	165.1	R&C	EPDM	20	448a/01
Fig. 7705	200	219.1	R&C	EPDM	20	448a/01
Fig. K-9 Dogtooth	32	42.4	R&C	EPDM	15	448a/02
Fig. K-9 Dogtooth	40	48.3	R&C	EPDM	15	448a/02
Fig. K-9 Dogtooth	50	60.3	R&C	EPDM	12	448a/02
Fig. K-9 Dogtooth	65	76.1	R&C	EPDM	12	448a/02
Fig. K-9 Dogtooth	80	88.9	R&C	EPDM	12	448a/02
Fig. K-9 Dogtooth	100	114.3	R&C	EPDM	12	448a/02
Fig. K-9 Dogtooth	125	139.7	R&C	EPDM	15	448a/02
Fig. K-9 Dogtooth	150	165.1	R&C	EPDM	12	448a/02
Fig. K-9 Dogtooth	200	219.1	R&C	EPDM	15	448a/02
Reducing Coupling Fig. 7706	50x40	60.3x48.3	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	65x50	76.1x60.3	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	80x50	88.9x60.3	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	80x65	88.9x76.1	R&C	EPDM	20	448a/03

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Signed for BRE Global Ltd.

Sarah Colwell

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
Reducing Coupling Fig. 7706	100x50	114.3x60.3	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	100x65	114.3x76.1	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	100x80	114.3x88.9	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	150x100	165.1x114.3	R&C	EPDM	20	448a/03
Reducing Coupling Fig. 7706	200x150	219.1x165.1	R&C	EPDM	16	448a/03
Mechanical Tees Model 7721	65x32	76.1x42.4	T	EPDM	20	448a/04
Mechanical Tees Model 7721	65x40	76.1x48.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	80x32	88.9x42.4	T	EPDM	20	448a/04
Mechanical Tees Model 7721	80x40	88.9x48.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	80x50	88.9x60.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	100x32	114.3x42.4	T	EPDM	20	448a/04
Mechanical Tees Model 7721	100x40	114.3x48.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	100x50	114.3x60.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	100x65	114.3x76.1	T	EPDM	20	448a/04
Mechanical Tees Model 7721	100x80	114.3x88.9	T	EPDM	20	448a/04
Mechanical Tees Model 7721	150x32	165.1x42.4	T	EPDM	20	448a/04
Mechanical Tees Model 7721	150x40	165.1x48.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	150x50	165.1x60.3	T	EPDM	20	448a/04
Mechanical Tees Model 7721	150x65	165.1x76.1	T	EPDM	20	448a/04
Mechanical Tees Model 7721	150x80	165.1x88.9	T	EPDM	20	448a/04
Mechanical Tees Model 7721	150x100	165.1x114.3	T	EPDM	20	448a/04

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*S. A. Colwell*

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
Fig. 7722	80x40	88.9x48.3	G	EPDM	20	448a/05
Fig. 7722	80x50	88.9x60.3	G	EPDM	20	448a/05
Fig. 7722	100x40	114.3x48.3	G	EPDM	20	448a/05
Fig. 7722	100x50	114.3x60.3	G	EPDM	20	448a/05
Fig. 7722	100x65	114.3x76.1	G	EPDM	20	448a/05
Fig. 7722	100x80	114.3x88.9	G	EPDM	20	448a/05
Fig. 7722	150x40	165.1x48.3	G	EPDM	20	448a/05
Fig. 7722	150x50	165.1x60.3	G	EPDM	20	448a/05
Fig. 7722	150x65	165.1x76.1	G	EPDM	20	448a/05
Fig. 7722	150x80	165.1x88.9	G	EPDM	20	448a/05
Fig. 7722	150x100	165.1x114.3	G	EPDM	20	448a/05
Fig. 723	32x15	42.2x21.3	T	EPDM	12	448a/06
Fig. 723	32x20	42.2x26.7	T	EPDM	12	448a/06
Fig. 723	32x25	42.2x33.7	T	EPDM	12	448a/06
Fig. 723	40x15	48.3x21.3	T	EPDM	12	448a/06
Fig. 723	40x20	48.3x26.7	T	EPDM	12	448a/06
Fig. 723	40x25	48.3x33.7	T	EPDM	12	448a/06
Fig. 723	50x15	60.3x21.3	T	EPDM	12	448a/06
Fig. 723	50x20	60.3x26.7	T	EPDM	12	448a/06
Fig. 723	50x25	60.3x33.7	T	EPDM	12	448a/06
Fig. 723	65x15	76.1x21.3	T	EPDM	12	448a/06

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
Fig. 723	65x20	76.1x26.7	T	EPDM	12	448a/06
Fig. 723	65x25	76.1x33.7	T	EPDM	12	448a/06
Transition Flange Model 7041	50	60.3	R&C	EPDM	16	448a/15
Transition Flange Model 7041	65	76.1	R&C	EPDM	16	448a/15
Transition Flange Model 7041	80	88.9	R&C	EPDM	16	448a/15
Transition Flange Model 7041	100	114.3	R&C	EPDM	16	448a/15
Transition Flange Model 7041	150	165.1	R&C	EPDM	16	448a/15
Transition Flange Model 7041	200	219.1	R&C	EPDM	16	448a/15
Angle Pad Rigid Coupling Model Z05	32	42.4	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	40	48.3	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	50	60.3	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	65	76.1	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	80	88.9	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	100	114.3	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	125	139.7	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	150	165.1	R&C	EPDM	12	448a/16
Angle Pad Rigid Coupling Model Z05	200	219.1	R&C	EPDM	12	448a/16
Rigid Coupling Model K-9H	200	219.1	R&C	EPDM	20	448a/16
Angle Pad Rigid Coupling Model Z07	32	42.4	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	40	48.3	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	50	60.3	R&C	EPDM	20	448a/17

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Product	Nominal Size (mm)	Pipe Outside Diameter (mm)	Pipe Ends	Gasket Type	Maximum Working Pressure (bar)	LPCB Ref. No.
Angle Pad Rigid Coupling Model Z07	65	76.1	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	80	88.9	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	100	114.3	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	125	139.7	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	150	165.1	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	200	219.1	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	250	273.0	R&C	EPDM	20	448a/17
Angle Pad Rigid Coupling Model Z07	300	323.9	R&C	EPDM	20	448a/17

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### Pipe Fittings to LPS 1219

Product	Pipe Outside Diameter (mm)	Maximum Working Pressure (bar)	LPCB Ref. No.
90° Elbows - Fig. 7110	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	20	448a/07
45° Elbows - Fig. 7111	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	20	448a/08
Tees - Fig. 7120	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	20	448a/09
Caps - Fig. 7160	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	20	448a/10
Concentric Reducer - Fig. 7150	76.1x60.3, 88.9x60.3, 88.9x76.1, 114.3x60.3, 114.3x76.1, 114.3x88.9, 165.1x88.9, 165.1x114.3, 219.1x165.1	20	448a/11
Reducing Tee - Fig. 7121	114.3x114.3x76.1, 114.3x114.3x88.9, 165.1x165.1x88.9, 219.1x219.1x114.3, 219.1x219.1x165.1	20	448a/12
Pitcher Tee - Fig. 7133	114.3x114.3x76.1 (BSP thread)	20	448a/14
Short Radius 90° Elbow Fig. 901	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	20	448a/18
Short Radius Tee Fig. 903	60.3, 76.1, 88.9, 114.3, 139.7, 165.1, 219.1	20	448a/19

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