

SPACESAVER LOW PROFILE DUCTING



THREE SIZES FOR EVERY APPLICATION

220mm x 90mm

300mm x 60mm

350mm x 75mm



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SPACESAVER LOW PROFILE DUCTING

INTRODUCTION

Spacesaver low profile ducting has been designed to provide guiet and efficient air extraction from bathrooms, kitchens, dryers and area's or appliances that need air extracted.

Spacesaver low profile ducting has been designed to be installed in confined ceiling and wall spaces, allowing for a more flexible design and providing architects with more freedom and scope. Available in three sizes to suit a large range of air quantities with low resistance at a low noise level to maximize fan performance. Made from polyvinyl chloride and engineered to be assembled guickly and easily saving time and money.

Spacesaver low profile ducting has been independently tested and comes with a fire rated certificate to suit as/nzs 1530.3 to comply with building standards and has been installed in many high-rise and small apartment developments plus domestic and commercial applications giving our clients great service, satisfaction and peace of mind.

ADVANTAGES OF SPACESAVER LOW PROFILE DUCT

- Save on joiners / cost saving
- Allows higher ceilings in apartments
- Channel duct comes in 2m length
- Used in limited ceiling space
- Brackets can be fixed using ramset charges thus reducing installation time
- Save on installation costs.
- Maximises fan performance due to less resistance
- Can be easily altered on site to suit
- Smooth surface reduces dirt built up
- Fire resistant







PLASTIC LOW PROFILE DUCT

MEETING THE GREEN BUILDING CHALLENGE

Plastic meets the challenges of today's green building specifications. Green building refers to the growing importance of meeting sustainability requirements in construction materials and practices while at the same time limiting the impact on natural resources in both the construction and long-term maintenance and life cycle of a commercial or residential building.

Plastic pipe and fittings offer a number of green building advantages:

- Properly installed plastic ducts and fittings offer an especially long service life and offer dependable, maintenance fire service free from rust and corrosion.
- Plastic is an inert substance, it does not react with chemicals around it. In fact, it's often the material of choice for chemical processing. Since plastic is so dependable, it protects the surrounding environment from contamination.
- Solvent cements and their use have been carefully studied. As a result guidance for their use is documented in ASTM D 2564 and ASTM 656. Concerns regarding the use of solvent cements are easily addressed by using appropriate ventilation and protection from skin contact.
- Plastics long life cycle means that the issue of handling discarded plastic materials is somewhat minimised. However, even discarded plastic is recycled. According to the Vinyl Institute, vinyl may be automatically sorted from other recyclables. And the demand for recycled vinyl exceeds the supply.
- No waste in the manufacturing process. Left over materials are simply reground for more products.
 Plastic pipe has been successfully tested against the ANSI/NSF 61 standard and other health effect
 standards for more than 35 years. Plastic is a thermoplastic material made from compounds that
 commonly meet Class 12434 per ASTM D.

GENERAL

Plastic piping systems are:

- Environmentally friendly.
- Provide long service life.
- Easy to install and handle.
- Corrosion resistant.
- Cost effective.
- Widely accepted by codes.

Plastic ducts are manufactured by extrusion in a variety of sizes and dimensions. Plastic ducts are made to conform to various ATSM standards for both pressure and non-pressure applications.

USES/APPLICATIONS

USES/APPLICATIONS

Plastic piping and ducts are used for:

- Drain-waste-vent (DWV)
- Ventilation ducting
- Sewers
- Water mains
- Water service lines
- Irrigation
- Conduit
- Various industrial installations

Plastic materials are resistant to many ordinary chemicals such as acids, bases, salts and oxidants.





CODE STATUS

Plastic ducting is a widely used and accepted material for ventilation, DWV, sewers in all model plumbing codes. These Codes normally identify acceptable products for specific uses based on the ATSM standard designation.

Installing plastic duct systems is easy. Contractors prefer this light weight piping material. Just follow some of these simple steps:

- Follow local code requirements.
- Follow recommended safe work practices.
- Follow proper handling procedures.
- Read the manufacturer's installation instructions.
- Keep pipe and fittings in original packaging until needed.
- Cover pipe and fittings with an opaque tarp if stored outdoors.
- Inspect pipe for damage prior to use.
- Use tools specifically designed for use with plastic pipes.
- Use a drop cloth to protect finishes in the work area.

When joining the plastic pipe and fitting with solvent cement, always:

- Cut the pipe ends square.
- Bevel and deburr the pipe ends with a chamfering tool.
- Use the proper primer and solvent cement and follow manufacturer's application instructions.
- Use the proper size applicator for the pipe being joined.
- Rotate the pipe at a ¼ turn when bottoming pipe in fitting socket.
- Avoid puddling of primer or cement in fitting pipe.

To properly support plastic piping systems:

- Allow for movement due to expansion and contraction.
- Use hangers designed for use with plastic.
- Follow proper hanger support spacing requirements.
- Protect from nails, screws, and abrasive surfaces.

When testing an installed plastic piping system:

- Follow the manufacturer's recommended cure times prior to pressure testing.
- Test in accordance with local codes.

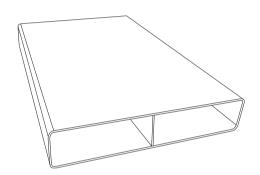




CHANNEL DUCT

2M Length

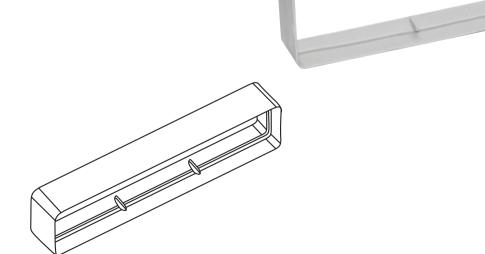
Size: 220mm x 90mm x 2m Size: 300mm x 60mm x 2m Size: 350mm x 75mm x 2m





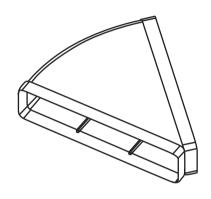
DUCT CONNECTOR

Size: 220mm x 90mm Size: 300mm x 60mm Size: 350mm x 75mm



HORIZONTAL DUCT 45 DEGREE BEND

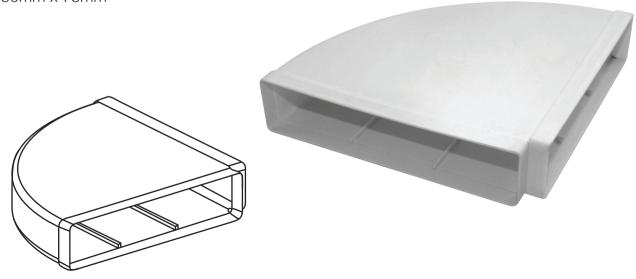
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HORIZONTAL DUCT 90 DEGREE BEND

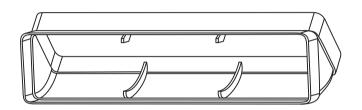
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VERTICAL DUCT 45 DEGREE BEND

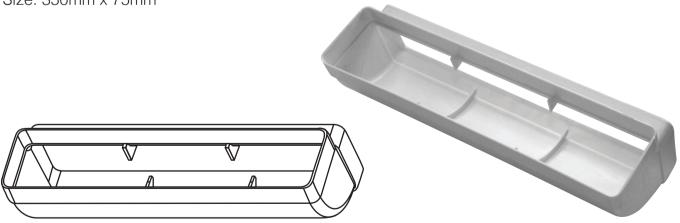
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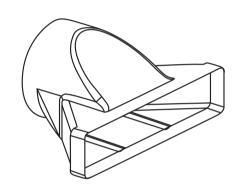
VERTICAL DUCT 90 DEGREE BEND

Size: 220mm x 90mm Size: 300mm x 60mm Size: 350mm x 75mm



ROUND TO RECTANGULAR ADAPTOR

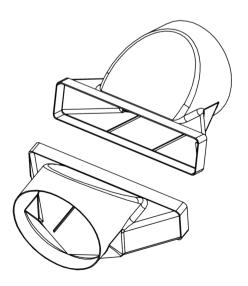
Size: 220mm x 90mm / 150 Ø Size: 300mm x 60mm / 150 Ø Size: 350mm x 75mm / 150 Ø





ROUND TO RECTANGULAR ADAPTOR

Size: 220mm x 90mm / 200 Ø Size: 300mm x 60mm / 200 Ø Size: 350mm x 75mm / 200 Ø

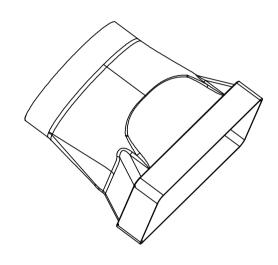






OVAL TO RECTANGULAR ADAPTOR

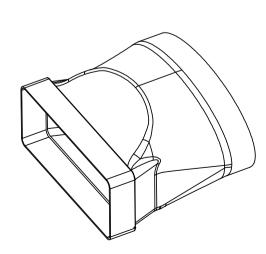
Size: 220mm x 90mm / 150 Ø Size: 350mm x 75mm / 150 Ø





OVAL TO RECTANGULAR ADAPTOR

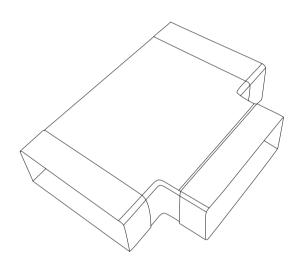
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T PIECE DUCT

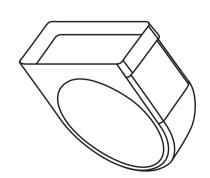
Size: 220mm x 90mm Size: 300mm x 60mm Size: 350mm x 75mm



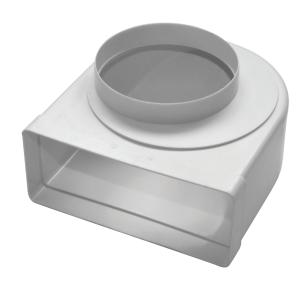


ADJUSTABLE RANGEHOOD ADAPTORS

Size: 220mm x 90mm / 150 Ø Size: 300mm x 60mm / 150 Ø Size: 350mm x 75mm / 150 Ø



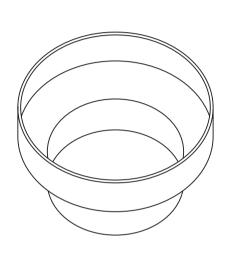






ROUND TO ROUND ADAPTORS

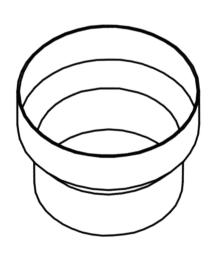
Size: 200 Ø to 150 Ø





ROUND TO ROUND ADAPTORS

Size: 150 Ø to 125 Ø

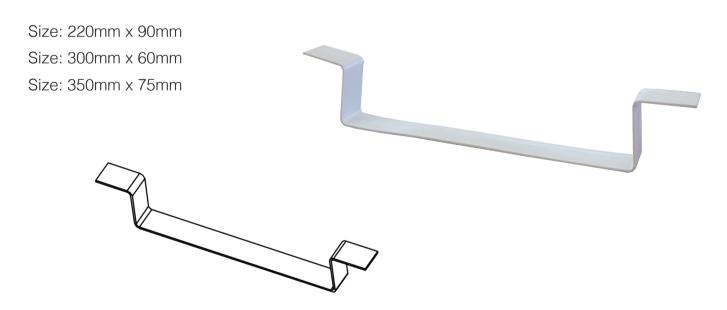




90 DEGREE ELBOW



RECTANGULAR DUCT SUPPORT CLIP

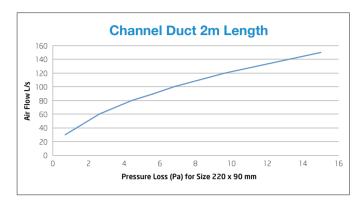


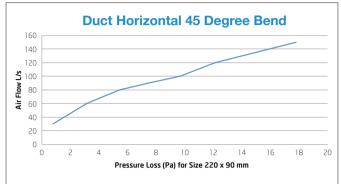


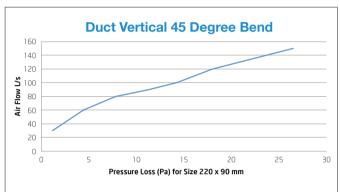
PERFORMANCE DATA (220mm x 90mm)

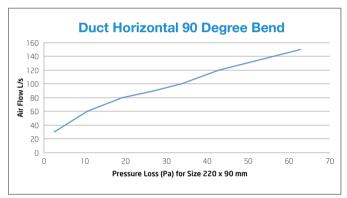
		Air Flow						
Part No. Dimensions	Contents	30 L/s	60 L/s	80 L/s	90 L/s	100 L/s	120 L/s	150 L/s
		Pressure Loss (Pa) for Size 220 x 90mi					x 90mm	
LPD220CD2 220mm x 90mm	Channel Duct 2m length	0.68	2.6	4.4	5.6	6.8	9.6	15
LPD220HBEND45 220mm x 90mm	Horizontal 45 Degree Bend	0.77	3.16	5.41	7.38	9.68	12.11	17.79
LPD220VBEND45 220mm x 90mm	Vertical 45 Degree Bend	1.19	4.46	7.84	11.25	14.28	17.97	26.49
LPD220HBEND90 220mm x 90mm	Horizontal 90 Degree bend	2.47	10.59	19.16	26.73	33.74	42.74	62.79
LPD220VBEND90 220mm x 90mm	Vertical 90 Degree bend	1.62	5.94	10.45	15.02	19.09	24	35.36
LPD220TPIECE 220mm x 90mm	T Piece Duct	1.4	5.2	8.8	11.2	13.5	19	30
LPD125RBEND90	90 Degree Elbow 125mm	1.54	6.62	11.98	16.71	21.09	26.71	39.24
LPD220RREC150 220mm x 90mm	Round to Rectangular Adaptor 150ø	1.19	5.48	9.53	13.49	17	21.71	31.5
LPD220RREC200 220mm x 90mm	Round to Rectangular Adaptor 200ø	1.15	5.31	9.12	13.07	16.51	21.04	28.37
LPD220OREC150 220mm x 90mm	Oval to Rectangular Adaptor 150ø	1.31	6.00	10.48	14.84	18.7	23.88	34.65
LPD220OREC200 220mm x 90mm	Oval to Rectangular Adaptor 200ø	1.30	5.84	10.00	14.34	18.16	23.14	31.20
LPD220ARANGEH150 220mm x 90mm	Adjustable Rangehood Adaptors 150ø	1.19	4.09	8.16	10.44	12.82	13.49	15.21
LPD220RTR150-125 350mm x 75mm 300mm x 60mm 220mm x 90mm	Round to Round Adaptors 150ø – 125ø	0.28	0.70	1.45	1.91	2.4	3.24	5.53
LPD220RTR200-150 350mm x 75mm 300mm x 60mm 220mm x 90mm	Round to Round Adaptors 200ø – 150ø	0.34	0.84	1.74	2.29	2.88	3.89	6.64

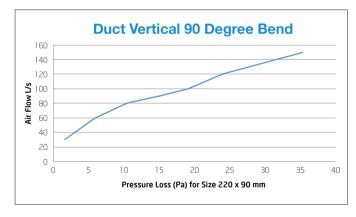
AIRFLOW DATA – LOW PROFILE DUCT (220mm x 90mm)

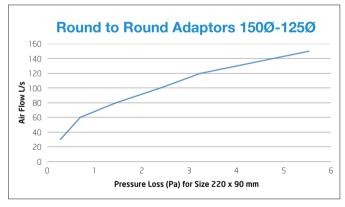


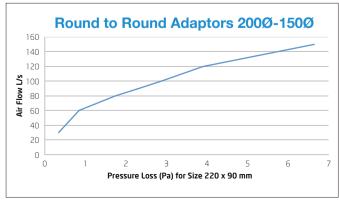


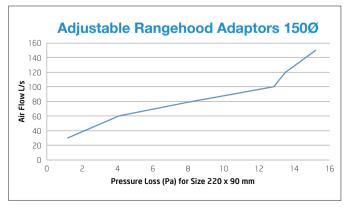






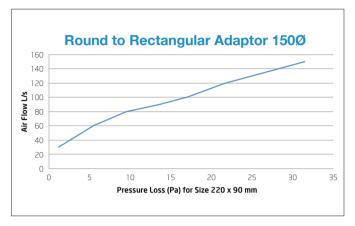


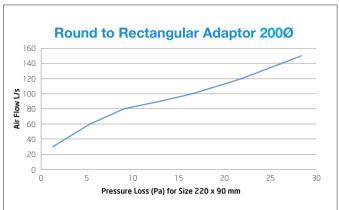


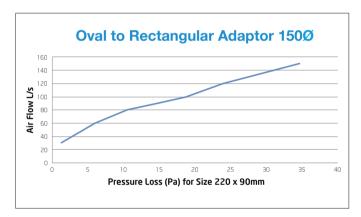


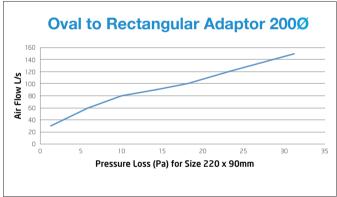


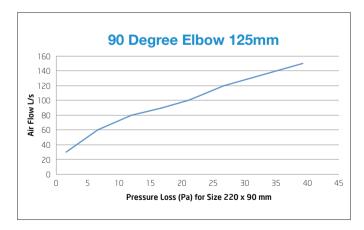
AIRFLOW DATA – LOW PROFILE DUCT (220mm x 90mm)

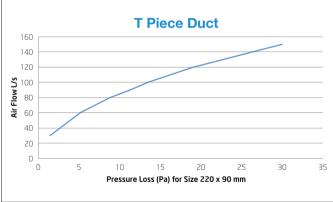










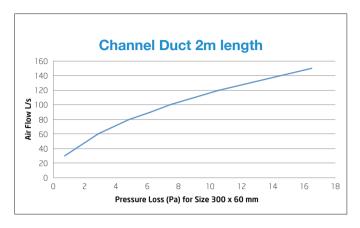


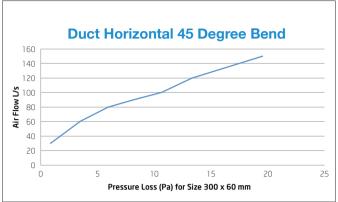
PERFORMANCE DATA (300mm x 60mm)

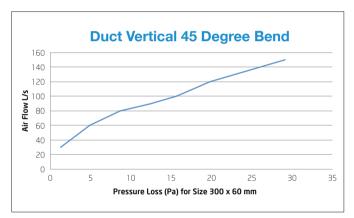
		Air Flow							
Part No. Dimensions	Contents	30 L/s	60 L/s	80 L/s	90 L/s	100 L/s	120 L/s	150 L/s	
Birrensions		Pressure Loss (Pa) for Size 300 x 60mm							
LPD300CD2 300mm x 60mm	Channel Duct 2m length	0.75	2.86	4.48	6.15	7.47	10.55	16.48	
LPD300HBEND45 300mm x 60mm	Horizontal 45 Degree Bend	0.85	3.47	5.95	8.11	10.64	13.13	19.55	
LPD300VBEND45 300mm x 60mm	Vertical 45 Degree Bend	1.31	4.90	8.65	12.37	15.69	19.75	29.11	
LPD300HBEND90 300mm x 60mm	Horizontal 90 Degree bend	2.71	11.64	21.05	29.37	37.08	46.97	69	
LPD300VBEND90 300mm x 60mm	Vertical 90 Degree bend	1.78	6.53	11.48	16.51	20.98	26.37	38.86	
LPD125RBEND90	90 Degree Elbow 125mm	1.69	7.27	13.16	18.36	23.18	29.35	43.12	
LPD300TPIECE 300mm x 60mm	T Piece Duct	1.54	5.72	9.68	12.32	14.85	20.9	33	
LPD300RREC150 300mm x 60mm	Round to Rectangular Adaptor 150ø	1.31	6.02	10.47	14.82	18.68	23.86	34.62	
LPD300RREC200 300mm x 60mm	Round to Rectangular Adaptor 200ø	2.53	5.36	9.33	12.54	16.65	21.26	33.22	
LPD300ARANGEH150 300mm x 60mm	Adjustable Rangehood Adaptors 150ø	1.31	4.49	8.97	11.47	14.09	14.82	16.71	
LPD300RTR150-125 350mm x 75mm 300mm x 60mm 220mm x 90mm	Round to Round Adaptors 150ø – 125ø	0.31	0.77	1.59	2.10	2.64	3.56	6.08	
LPD300RTR200-150 350mm x 75mm 300mm x 60mm 220mm x 90mm	Round to Round Adaptors 200ø – 150ø	0.37	0.92	1.91	2.52	3.16	4.27	7.30	

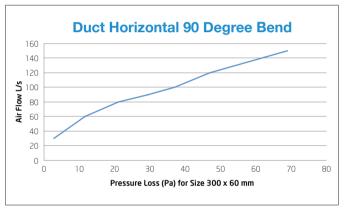


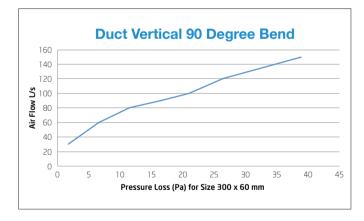
AIRFLOW DATA – LOW PROFILE DUCT (300mm x 60mm)

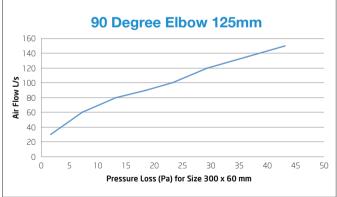




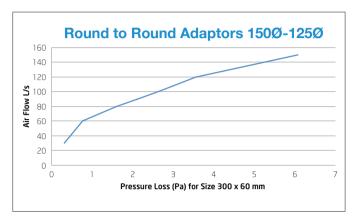


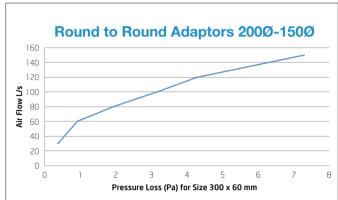


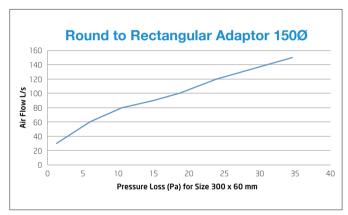


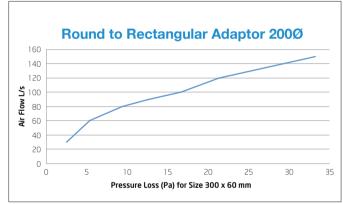


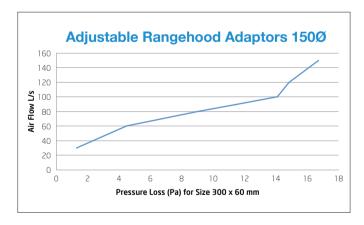
AIRFLOW DATA – LOW PROFILE DUCT (300mm x 60mm)

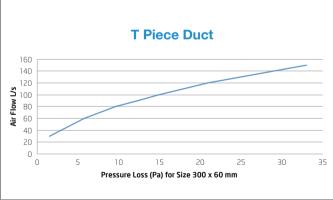










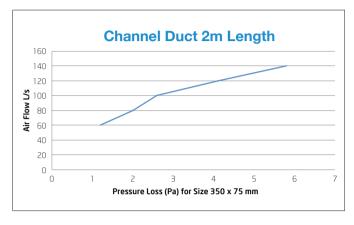


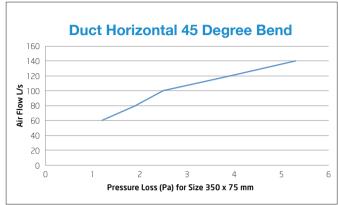


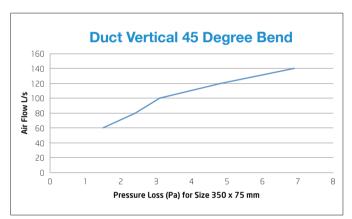
PERFORMANCE DATA (350mm x 75mm)

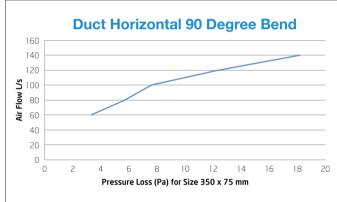
		Air Flow				
Part No. Dimensions	Contents	60 L/s	80 L/s	100 L/s	120 L/s	140 L/s
		Pro	e 350 x 75m	nm		
LPD350CD2 350mm x 75mm	Channel Duct 2m length	1.20	2	2.60	4.10	5.80
LPD350HBEND45 350mm x 75mm	Horizontal 45 Degree Bend	1.20	1.90	2.50	3.90	5.30
LPD350VBEND45 350mm x 75mm	Vertical 45 Degree Bend	1.50	2.40	3.10	4.80	6.90
LPD350HBEND90 350mm x 75mm	Horizontal 90 Degree bend	3.30	5.70	7.60	12.30	18.20
LPD350VBEND90 350mm x 75mm	Vertical 90 Degree bend	2.50	3.50	4.20	6.90	10.10
LPD350TPIECE 350mm x 75mm	T Piece Duct	2.4	4	5.2	8.2	11.5
LPD350RREC150 350mm x 75mm	Round to Rectangular Adaptor 150ø	1.30	2.20	2.90	4.60	6.40
LPD350RREC200 350mm x 75mm	Round to Rectangular Adaptor 200ø	7.30	12.70	22.66	28.94	31.99
LPD350OREC150 350mm x 75mm	Oval to Rectangular Adaptor 150ø	1.43	2.42	3.19	5.06	7.04
LPD350OREC200 350mm x 75mm	Oval to Rectangular Adaptor 200ø	8.03	13.97	24.93	31.83	46.19
LPD350ARANGEH150 350mm x 75mm	Adjustable Rangehood Adaptors 150ø	1.70	2.90	3.80	5.60	7.90
LPD350RTR150-125 350mm x 75mm 300mm x 60mm 220mm x 90mm	Round to Round Adaptors 150ø – 125ø	0.70	1.45	2.40	3.24	5.20
LPD350RTR200-150 350mm x 75mm 300mm x 60mm 220mm x 90mm	Round to Round Adaptors 200ø – 150ø	1.80	3.80	5.50	8.50	15.40

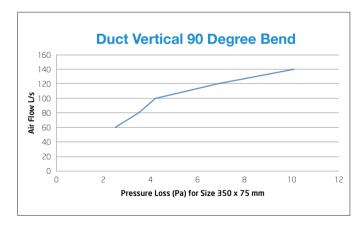
AIRFLOW DATA - FLAT DUCT (350mm x 75mm)

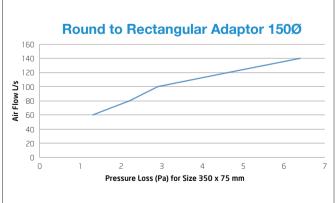






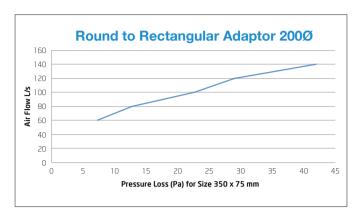


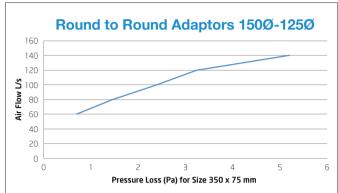


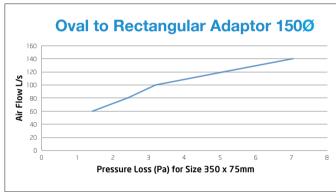


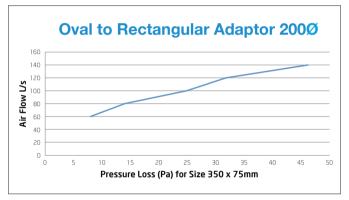


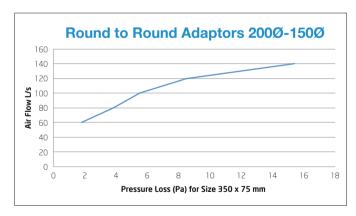
AIRFLOW DATA - FLAT DUCT (350mm x 75mm)

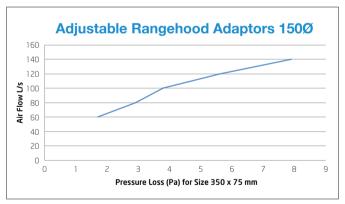


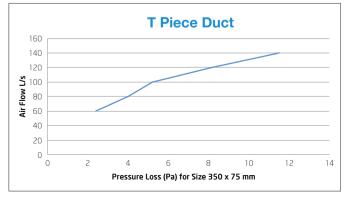












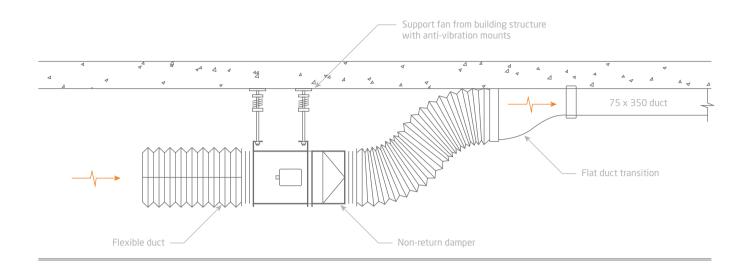
DuctTech Space Saver installation tips for Apartment Ventilation

Residential Ventilation System

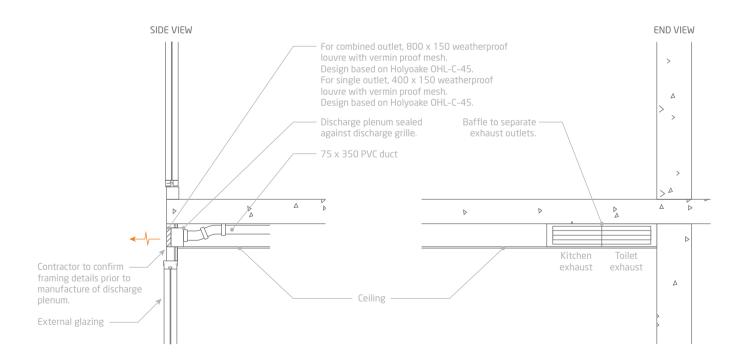
Install and commission the exhaust system as per the details on the mechanical drawings. Exhaust fans come complete with an exhaust rectangular duct, flexible ductwork and egg crate grilles. These are complete with acoustic cushion head and external weatherproof louvres.

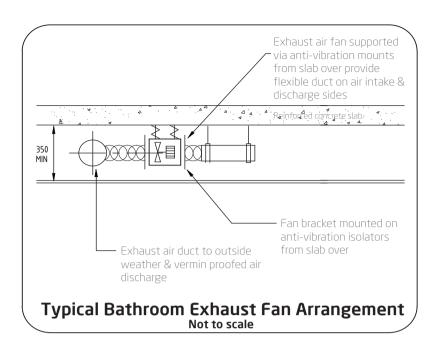
- 1. Install the Space Saver rectangular ductwork using the manufacturer's joiners, bends, supporting clips and end connectors, range hood, toilet and laundry grilles as specified in the mechanical drawings (Page 25 31). Ductwork should be fire rated and complete with AS 1530.3 (1999) Building Standard Specification and AS 4254 (2002).
- 2. Space Saver ductwork to be fitted within ceiling space as per drawings. Aluminium flexible duct length must be kept to a minimum to avoid causing a higher ESP than specified and reduced airflows.
- **3.** Connect kitchen exhaust to Space Saver ductwork, and to the range hood. Keeping separate from toilets and laundry ventilation, connect to external weatherproof louvres as per mechanical drawing details (Page 25-31). Range hood supplied separately.
- **4.** Connect Space Saver ductwork to toilet and laundry fans as per drawing and install ductwork to external weatherproof louvres, as per detail on the drawings (Page 25 31).
- **5.** Separate fan switches located adjacent to light switches in laundry and toilet with operated fan extraction. Kitchen booster fans for range hood will be operated by the separate switch/switches adjacent to range hood.
- **6.** All exhaust fans shall be fitted with a non-return damper installed in outlet before connecting to Space Saver ductworks.
- **7.** When ductwork is to pass under existing beams, Space Saver 90-degree or 45-degree vertical bends must be used, as per the drawings (Page 25-31), to maintain low airflow resistance and achieve specified air delivery.
- 8. Space Saver plastic ductwork should be glued together with silicone or another suitable adhesive to ensure joints are sealed. They should be installed to manufacturer's recommendations, using moulded clips. Do not fix self-tapping screw into the duct for joining purposes.

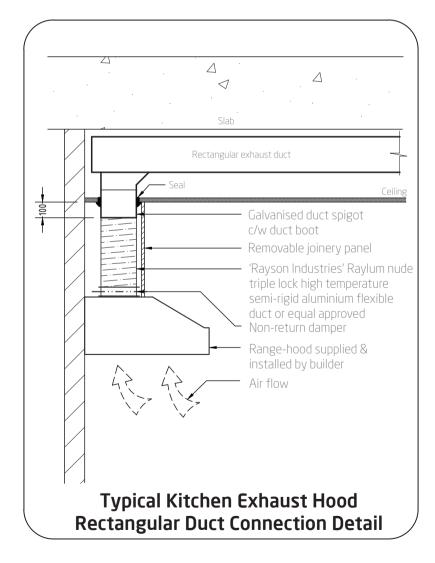
MECHANICAL SERVICES INFORMATION TYPICAL INLINE FAN MOUNTING DETAIL



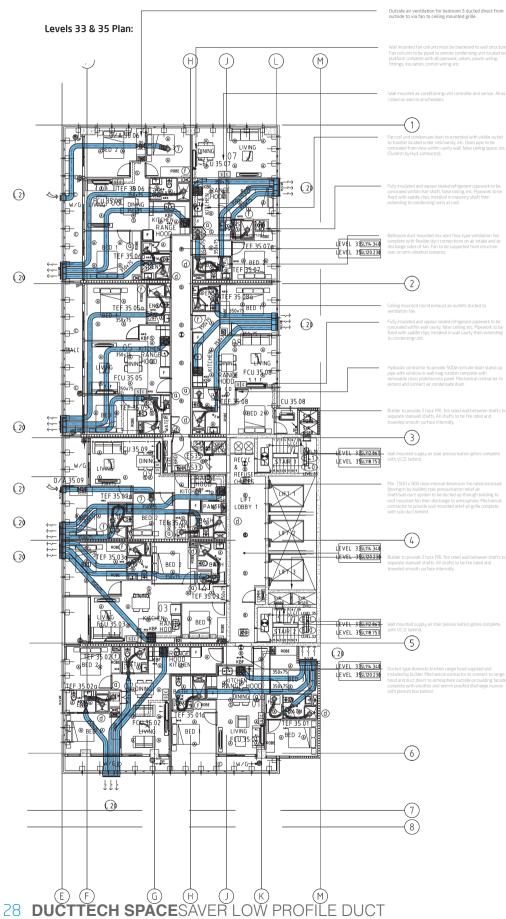
TYPICAL WEATHERPROOF LOUVRE DETAIL C/W FLAT DUCT CONNECTION BEHIND

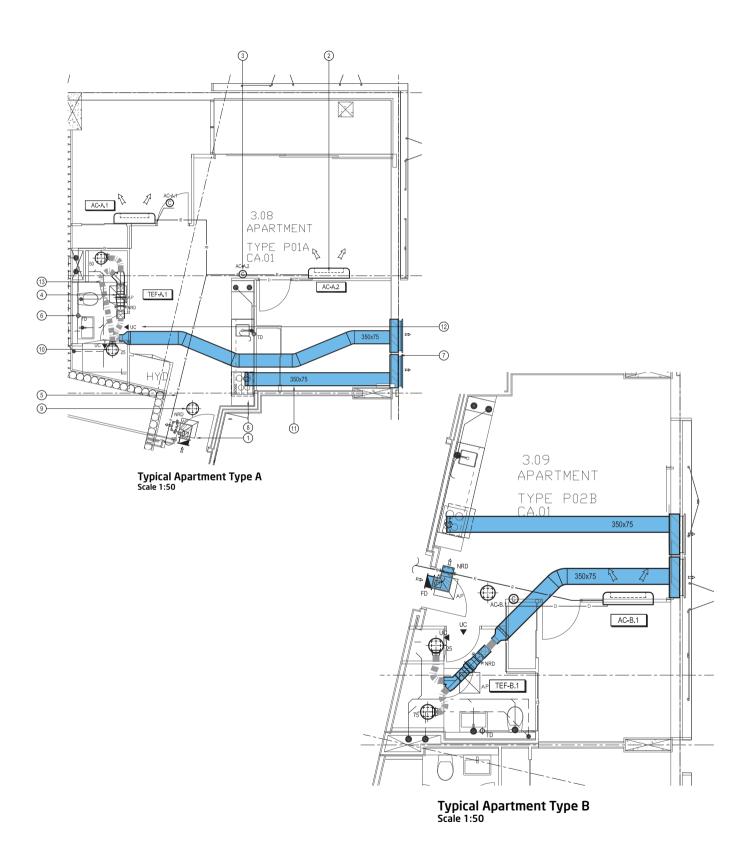


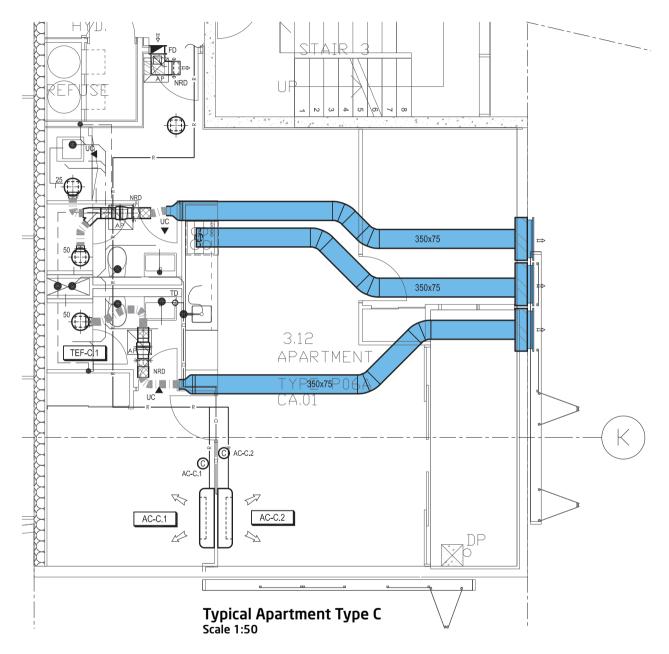




TYPICAL APPLICATION OF SPACESAVER DOTNOT CONCLEAR THENT

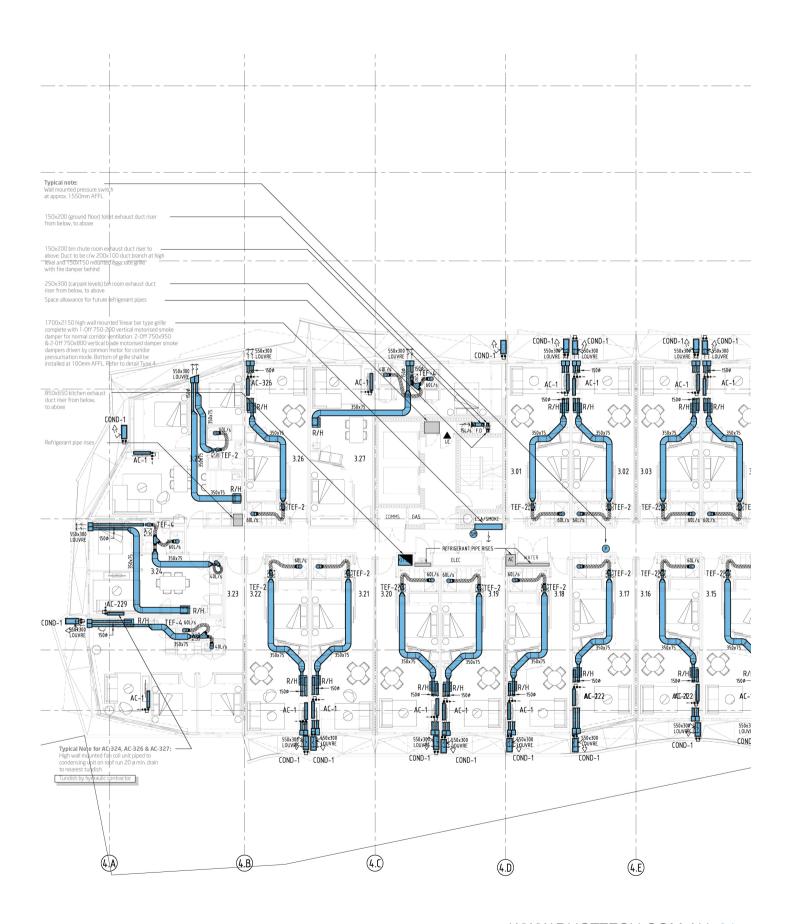


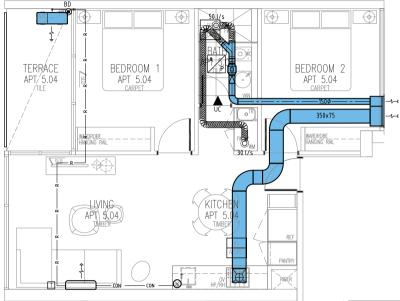




Ø 300 circular face ceiling mounted toilet/laundry exhaust grille c/w internally lined cushion head. Pal tech circular diffuser cone (plastic) model 108 or equal (max 15pa pd).

350mm x 75mm SpaceSaver duct oval ducting system. Toilet exhaust & kitchen exhaust ducts to run side by side within ceiling space and mounted to u/s of slab.



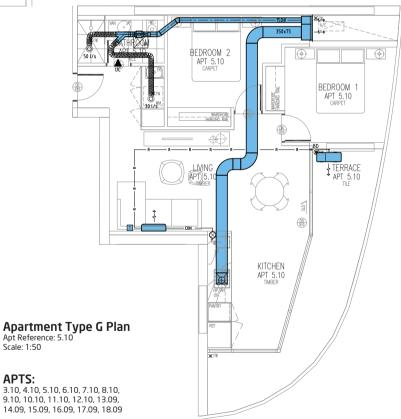


Apartment Type F Plan

Apt Reference: 5.04 Scale: 1:50

APTS:

3.04, 4.04, 5.04, 6.04, 7.04, 8.04, 9.04, 10.04, 11.04, 12.04, 13.03, 14.03, 15.03, 16.03, 17.03, 18.03



How to Specify Low Profile Ductwork

General:

Kitchen, Bathroom and Laundry Exhaust Ductwork.

Exhaust ductwork for apartment	s shall be DuctTech SpaceSaver Low Profile Duct, distributed by
DuctTech Pty Ltd and be of the	size as shown on the schedule and drawing
No's	Rev No

The product shall be manufactured from self-extinguishing PVC with a smooth inner surface. The system shall be a modular, slide-together design. The product shall be supported with proprietary hanging brackets. Builders hanging strap/hoop iron is not an acceptable method of support.

The duct and all associated fittings shall be manufactured of rigid Polyvinyl Chloride (PVC) and comply with AS 4254-2 (2012) and UL 181.11 (2013). The duct shall be tested against AS/NZS 1530.3 (1999) and exhibit maximum regulatory indices as follows:

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed index	3

NATA certified test reports must be provided to the Consulting Engineer upon request.

Sustainability:

If the product is to be used to comply with the Green Buildings Code of Australia then the product supplied shall under no circumstance contain any virgin PVC and must be manufactured using 100% recycled and reprocessed PVC.

Joining Method:

The product must only be joined using a proper primer and solvent cement and follow the manufacturer's application instructions. Duct tape, silver reinforced tape, and other similar tape products including silicone are not an acceptable joining method. Pipe ends shall be cut square, beveled & deburred with a chamfering tool. Self-tapping screws shall not be used in the joining process.

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240. North Melbourne. Victoria 3051 Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Duct Tech Pty Ltd

> 302-304 Boundary Road Dingley VIC 3172

Test Number : 15-001486 **Issue Date** 08/04/2015

Print Date 8/04/2015

"Spacesaver Low Profile Duct" Sample Description Clients Ref:

> Rigid ducting Colour: Neutral

Domestic & Commercial ventilation End Use :

Nominal Composition:

Approx. Mass per unit area: 2.09kg/m2 Nominal Mass per Unit Area/Density:

Nominal Thickness: Approx. Thickness: 2mm

AS/NZS 1530.3-1999 Methods for Fire Tests on Building Materials, Components and Structures

> Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested: Face

Date tested: 02/04/2015

Standard Error Mean Ignition time Nil min Flame propagation time Nil Nil sec Heat release integral Nil Nil kJ/m² Smoke release, log d

0.0536 -1.2365Optical density, d

Number of specimens ignited: 0 Number of specimens tested: 6

Regulatory Indices:

Ignitability Index 0 Range 0-20 Spread of Flame Index Range 0-10 Heat Evolved Index Range 0-10 Smoke Developed Index Range 0-10

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Accredited for compliance with ISO/IEC 17025 - Chemical Testing

Mechanical Testing
 Performance & Approvals Testing

: Accreditation No.

983 985 1356

0.0603

/ metre



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L A. JACKSON B.Sc.(Hons)

0204/11/06

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1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client: Duct Tech Ptv Ltd

> 302-304 Boundary Road Dingley VIC 3172

Test Number : 15-001486 **Issue Date** 08/04/2015

8/04/2015 **Print Date**

Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the

The specimens were mounted to simulate use in an unsupported or free hanging mode. The results may be significantly different when mounted to simulate a wall cladding or upholstery application.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

4088 Page 2 of 2 20392

Australian Wool testing Authority Ltd



Chemical Testing

Mechanical Testing

Performance & Approvals Testing

Accreditation No. Accreditation No. Accreditation No

985 1356



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APPROVED SIGNATORY

JACKSON B.Sc.(Hons)

0204/11/06

This is to confirm that the product as described below has been tested by AWTA Product Testing.

Testing was performed in accordance with AS/NZS 1530.3 - 1999

Test Number 15-001486 Issue Date 08/04/2015

Test Sponsor

Duct Tech 302-304 Boundary Road Dingley, Vic 3072

Sponsor Product Reference: "Spacesaver Low Profile Duct"

Sponsor Product Description: Rigid Ducting

Colour: Neutral

Nominal Composition: PVC

Nominal Mass: Approx. 2.09 kg/m2 Nominal Thickness: Approx. 2mm

The above sample is deemed to pass the requirements as specified in AS 4254.2-2012, clause 2.1(a)

Simone Sabatino Laboratory Supervisor

It should be borne in mind that the opinions expressed in this letter are based on a limited number of observations made on a single sample and may be subject to alteration if more detailed testing was to be carried out. We recommend that you have further testing conducted if the information above is critical to your decisions on this product.

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TEST REPORT

CLIENT : AIR SYSTEMS

302-304 BOUNDARY ROAD

DINGLEY VIC 3172

TEST NUMBER : 7-597579-CV

ISSUE DATE : 27/05/2014 PRINT DATE : 27/05/2014

SAMPLE DESCRIPTION Clients Ref: "Spacesaver low profile duct"

Rigid ducting

Nom Com: Polyvinyl chloride

End Use: Domestic and commercial ventilation

UL 181.11-2013

Burning Test - Air Duct

- EXTERNAL	Vertical	45dea	Horizontal	
1st after flame time	0	0	0	S
1st after glow time	0	0	0	S
2nd after flame time	0	0	0	S
2nd after glow time	0	0	0	S
Did flaming or glowing travel		74 162 23 23		323
full length of specimen	No	No	No	
Did flaming droplets ignite cotton	TO BE HARRIES	No	NO	151
- INTERNAL	Vertical	45deg	Horizontal	
1st after flame time	0	0	0	S
1st after glow time	0	0	0	S
2nd after flame time	0	0	0	S
2nd after glow time	0	0	0	S
Did flaming or glowing travel	医皮肤管理性皮肤炎性	11 45 25 74 26		167
Full length of specimen	No	No	No	

Requirements: Duration of flaming or glowing of any sample after withdrawal of the test flame is not to exceed 60 seconds, flaming or glowing is not to travel the full length of the sample and flaming particles dropped from the exterior surface of the sample during the horizontal and 45 degree exterior exposures are not to ignite the surgical cotton

Complies

Compliance to AS 4254-2, 2012, Clause 2.1.2 Requirement: Shall pass the UL181 test

Complies

207313 1

(END OF REPORT) PAGE 1

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(May APPROVED SIGNATORY MANAGING DIRECTOR

0204/11/06



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