DUCTLAB AUSTRALIA

PERFORMANCE DATA FOR - 350mm x 75mm

Updated as May 25

LOW PROFILE PVC FLAT DUCTING SYSTEM & MORE...

DUCTLAB AUSTRALIA
AIRVENT AUSTRALIA PTY LTD
ABN 28 635 841 824
Unit 4, 7 Stubbs Street, Auburn NSW 2144
Phone:(02) 8328 1322 | Email: sales@airvent.com.au

DUCTLAB
www.ductlab.com.au

Updated as May 25

Largest Range - 220x90 | 300x60 | 310x70 | 350x75 | 500x75

Ductlab's Low Profile PVC FLAT Ducting System:

MADE USING BEST ENVIRONMENTAL PRACTICE ™

Efficient. Certified. Expanded.

Ductlab's Low Profile PVC Duct System offers an advanced, space-saving solution for modern ventilation needs. Engineered for environments with limited ceiling space, our system ensures optimal airflow without compromising on quality or compliance.

AWTA PRODUCT TESTING

Key Features & Benefits

- **Comprehensive Range of Fittings:** Beyond standard offerings, Ductlab provides an extensive selection of fittings, including unique configurations to accommodate diverse installation requirements.
- **Certified Quality:** Our products meet and exceed industry standards, holding certifications equivalent to those of leading competitors, ensuring safety and performance.
- **Space Optimization:** The low-profile design is ideal for high-rise apartments and commercial buildings where ceiling space is at a premium.
- **Durable & Corrosion-Free:** Made from high-quality PVC, our duct system resists corrosion, offering a longer lifespan compared to traditional sheet metal ductwork.
- **Environmentally Conscious:** Manufactured with sustainability in mind, our ducts are made with recycle material & 100% recyclable to contribute to green building certifications.
- **Ease of Installation:** Lightweight components and a user-friendly design reduce installation time and labour costs.
- **Versatile Applications:** Suitable for bathroom, laundry, and rangehood ventilation systems, efficiently handling airflow rates up to 180 L/s.

Pressure drop values are calculated using standard air conditions (ρ = 1. kg/m^3) and industry reference K-factors. "Total pressure drop" includes 2 m duct friction (f = 0.025). "Fitting-only" values represent losses from the component only. Airflow range: 25–175 L/s.

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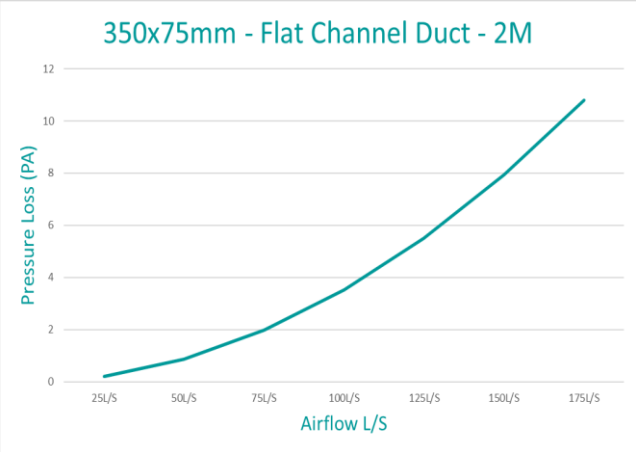
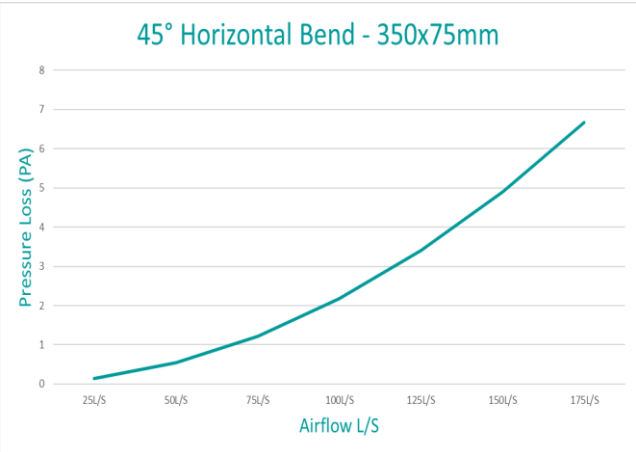
PERFORMANCE DATA - 350mmx75mm

Flat Channel Duct - 2M - Non Centre Bar							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
350x75mm Channel Duct-2M	0.22	0.88	1.98	3.52	5.51	7.93	10.79



Horizontal 45° Bend							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
45° Horizontal Bend	0.14	0.54	1.22	2.18	3.4	4.9	6.67



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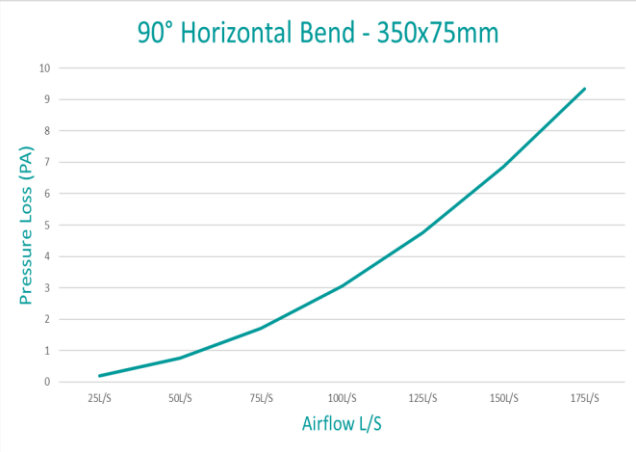
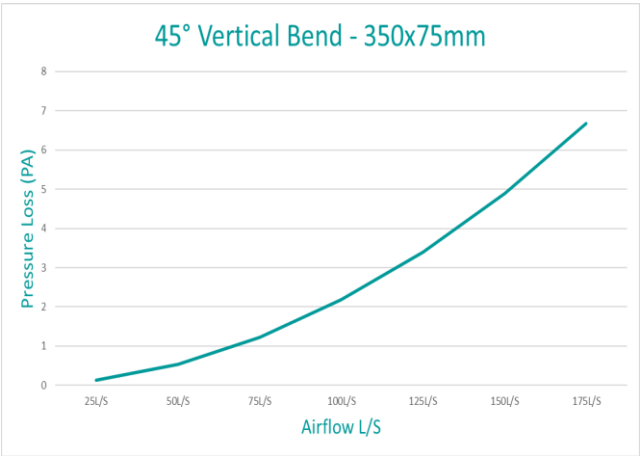
PERFORMANCE DATA - 350mmx75mm

Horizontal 90° Bend							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
90° Horizontal Bend	0.2	0.76	1.71	3.05	4.76	6.86	9.34



45° Vertical Bend							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
45° Vertical Bend	0.14	0.54	1.22	2.18	3.4	4.9	6.67



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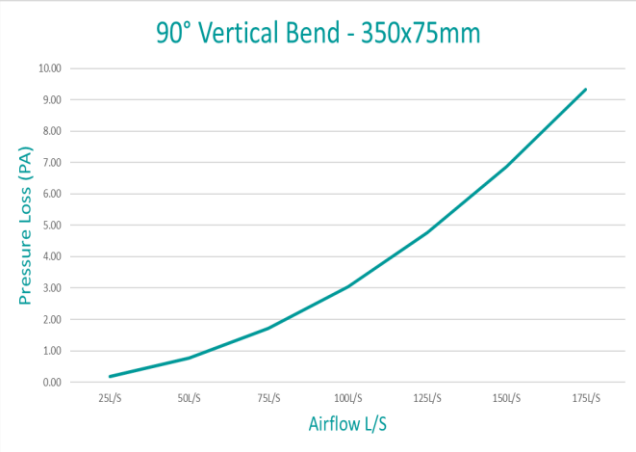
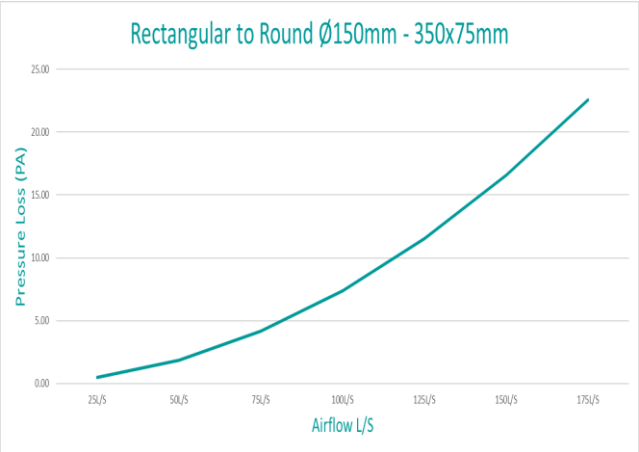
90° Vertical Bend							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
90° Vertical Bend	0.19	0.76	1.71	3.05	4.76	6.86	9.33



Rectangular to Round Adapter Ø150mm							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
Rectangular to Round Adapter Ø150mm	0.46	1.84	4.14	7.37	11.51	16.58	22.56



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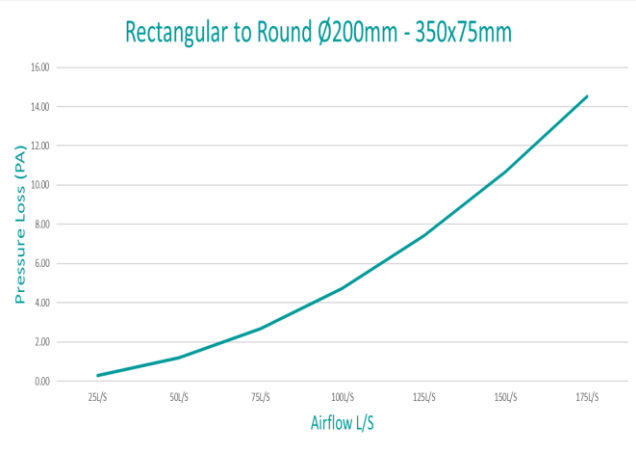
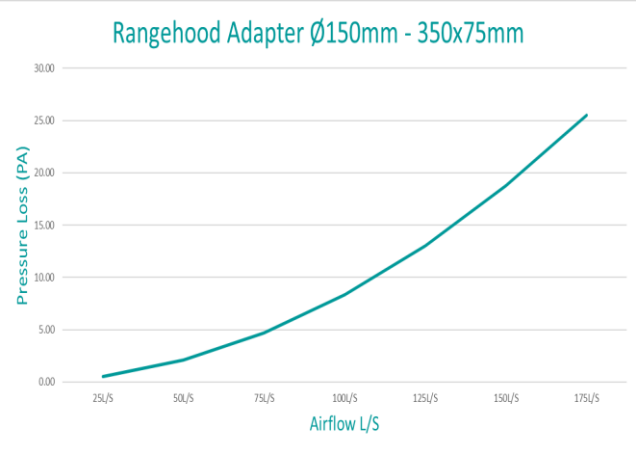
PERFORMANCE DATA - 350mmx75mm

Rectangular to Round Adapter Ø200mm							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
Rectangular to Round Adapter Ø200mm	0.30	1.19	2.67	4.74	7.41	10.67	14.52



Rangehood Adapter Ø150mm							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
Rangehood Adapter Ø150mm	0.52	2.08	4.68	8.33	13.01	18.74	25.50



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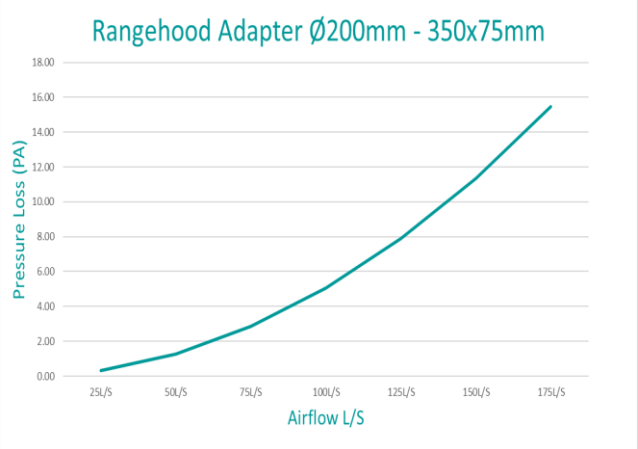
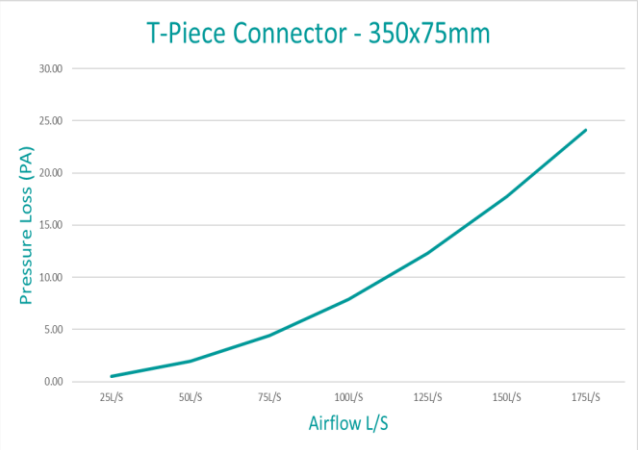
Rangehood Adapter Ø200mm							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
Rangehood Adapter Ø200mm	0.32	1.26	2.84	5.04	7.88	11.35	15.45



T-Piece Connector							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
T-Piece Connector	0.49	1.97	4.43	7.88	12.31	17.73	24.13



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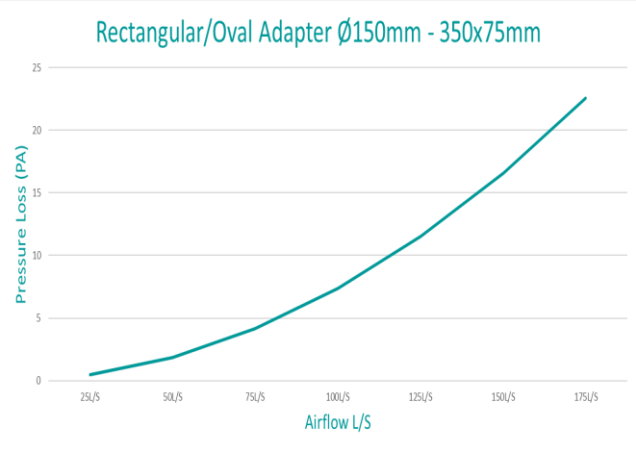
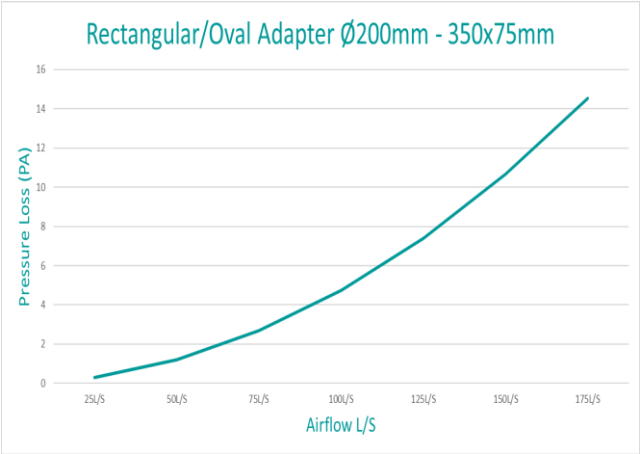
PERFORMANCE DATA - 350mmx75mm

Rectangular/Oval Adapter Ø150mm							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
Rectangular/Oval Adapter Ø150mm	0.46	1.84	4.14	7.37	11.51	16.58	22.56



Rectangular/Oval Adapter Ø200mm							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
Rectangular/Oval Adapter Ø200mm	0.3	1.19	2.67	4.74	7.41	10.67	14.52



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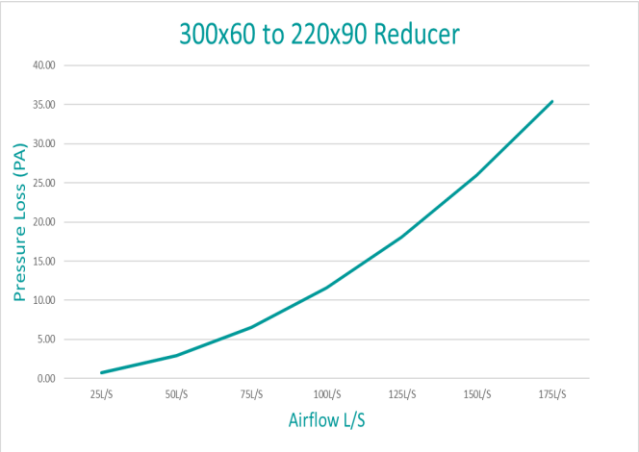
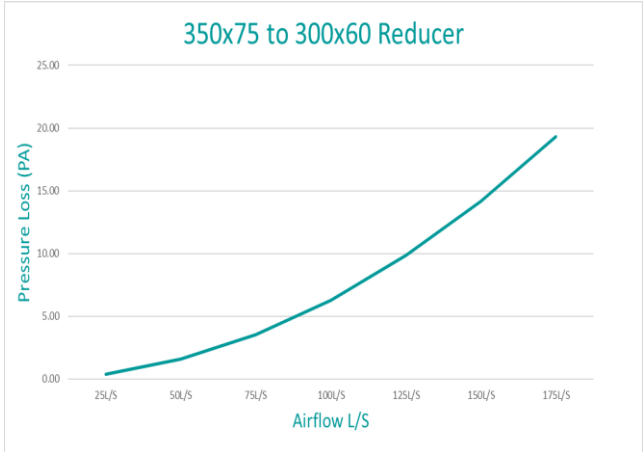
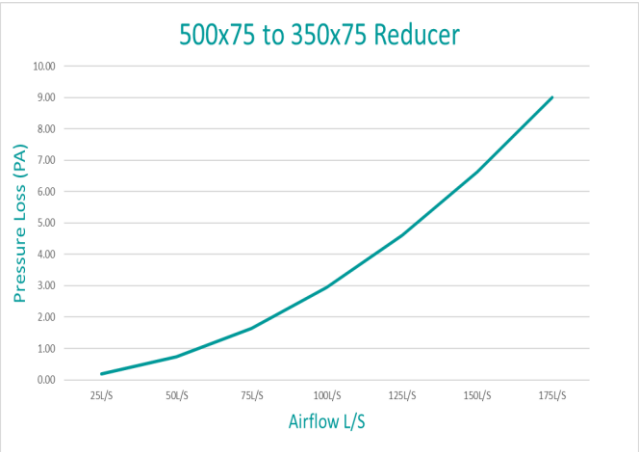
Updated as May 25

Duct Reducers - RDC

Duct Reducers							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
300x60 to 220x90 Reducer	0.72	2.89	6.50	11.55	18.05	26.00	35.39
350x75 to 300x60 Reducer	0.39	1.58	3.55	6.30	9.85	14.18	19.30
500x75 to 350x75 Reducer	0.18	0.74	1.65	2.94	4.60	6.62	9.01







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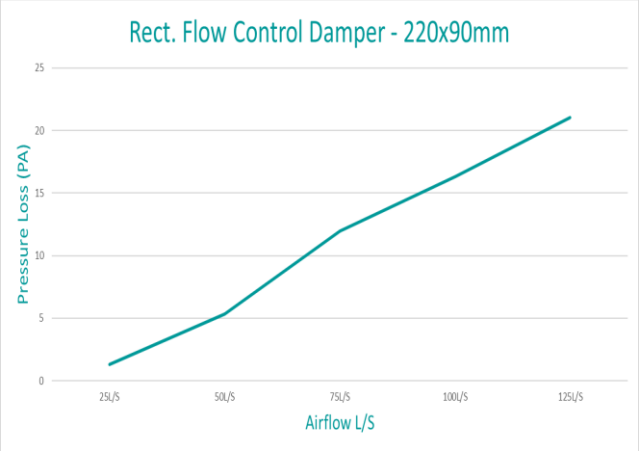
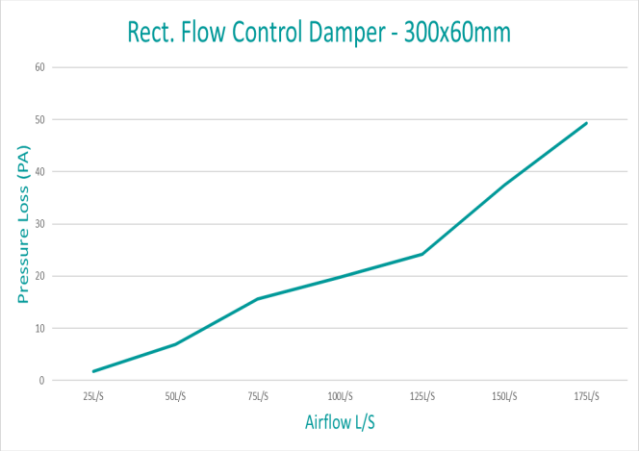
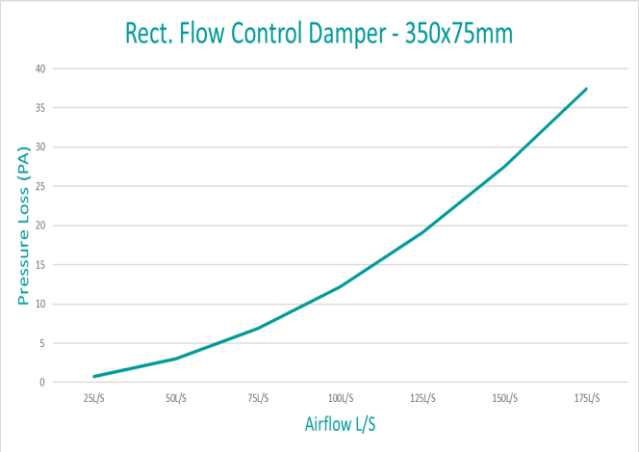
Updated as May 25

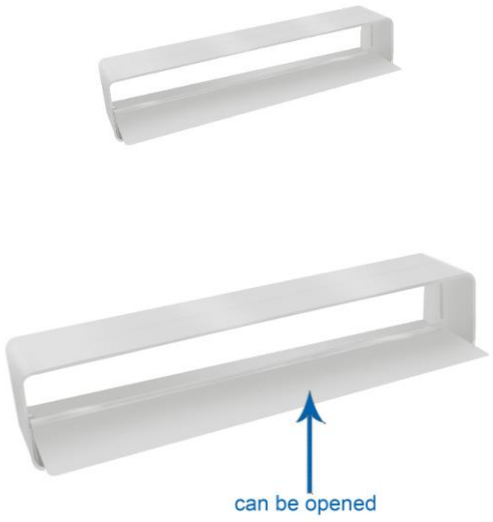
Rectangular Flow Control Damper

Rect. Flow Control Damper							
Product	25L/S	50L/S	75L/S	100L/S	125L/S	150L/S	175L/S
220x90 Flow Control Damper	1.33	5.32	11.98	16.29	21.04	32.43	38.66
300x60 Flow Control Damper	1.74	6.94	15.63	19.78	24.16	37.48	49.33
350x75 Flow Control Damper	0.76	3.06	6.88	12.23	19.11	27.52	37.46









For the full range of Ductlab's products, please visit www.ductlab.com.au

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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 : DuctLab Australia
PO Box: 8282
Baulkham Hills NSW 2153

Test Number : 18-006372
Issue Date : 22/11/2018
Print Date : 13/08/2019

Sample Description
Clients Ref : "PVC Ducting"
Rigid duct panels
Nominal Composition : PVC
Nominal Mass per Unit Area/Density : Approx: 3.5kg/m2
Nominal Thickness : Approx: 1.9mm

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: 21/11/2018

	Standard Error	Mean	
Ignition time	Nil	Nil	min
Flame propagation time	Nil	Nil	sec
Heat release integral	Nil	Nil	kJ/m²
Smoke release, log d	0.0323	-1.2553	
Optical density, d		0.0563	/ metre

Number of specimens ignited:	0	
Number of specimens tested:	6	
Regulatory Indices:		
Ignitability Index	0	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Developed Index	3	Range 0-10

175651 31787

Accredited for compliance with ISO/IEC 17025 - Testing
- Chemical Testing : Accreditation No. 983
- Mechanical Testing : Accreditation No. 985
- Performance & Approvals Testing : Accreditation No. 1356

Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

0204/11/06

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TEST REPORT

Client : DuctLab Australia
PO Box: 8282
Baulkham Hills NSW 2153

Test Number : 18-006372
Issue Date : 22/11/2018
Print Date : 13/08/2019

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.

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 test.

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 and the assembly clamped in four places.

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 .

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- Mechanical Testing : Accreditation No. 985
- Performance & Approvals Testing : Accreditation No. 1356

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MANAGING DIRECTOR

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P.O Box 240, North Melbourne, Victoria 3051
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TEST REPORT

Client : Ductlab Australia
PO Box 8282
Baulkham Hills NSW 2153

Test Number : 19-001039
Issue Date : 12/04/2019
Print Date : 21/01/2022

Replacement of Report dated :13/08/2019

Sample Description

Clients Ref : "PVC Ducting"
Rigid Ducting
Nominal Mass per Unit Area/Density : Approx 3.5kg/m2
Nominal Thickness : Approx 1.9mm

UL 181.11-2013 **Burning Test - Air Duct**

Date of Testing			11/04/2019	
Sample Tested			Assembly	
External	Vertical	45 deg	Horizontal	
1st after flame time	0	0	0	sec
1st after glow time	0	0	0	sec
2nd after flame time	0	0	0	sec
2nd after glow time	0	0	0	sec
Did flaming or glowing travel full length of specimen ?	No	No	No	sec
Did flaming droplets ignite cotton ?	No	No	No	
Internal	Vertical	45 deg	Horizontal	
1st after flame time	0	0	0	sec
1st after glow time	0	0	0	sec
2nd after flame time	0	0	0	sec
2nd after glow time	0	0	0	sec
Did flaming or glowing travel full length of specimen ?	No	No	No	

259614 34399

Accredited for compliance with ISO/IEC 17025 - Testing

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Fiona McDonald
APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc (Hons)
MANAGING DIRECTOR

0204/11/06

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TEST REPORT

Client : Ductlab Australia
PO Box 8282
Baulkham Hills NSW 2153

Test Number : 19-001039
Issue Date : 12/04/2019
Print Date : 21/01/2022

Replacement of Report dated :13/08/2019

Requirement: 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 reveal the full length of the sample and flaming particles dripped from the exterior surface of the sample during the horizontal and 45degree exterior exposures are not to ignite the surgical cotton.
Complies

Compliance to AS4254.2-2012, Clause 1.8 and 2.1.2
Complies

NATA Accredited for compliance with ISO/IEC 17025 - Testing

AWTA LIMITED

0204/11/06

Fiona McDonald
APPROVED SIGNATORY

MICHAEL A. JACKSON B.Sc (Hons)
MANAGING DIRECTOR

Pro-Switch Pty Ltd

CERTIFICATE of VERIFICATION

Best Environmental Practice for PVC

Airvent Australia Pty Ltd

Trading as Ductlab Australia Pty Ltd

ABN: 40 645 147 584

Unit 4, 7 Stubbs Street Auburn NSW 2144 AUSTRALIA

Pro-Switch Pty Ltd confirms that CLIENT has been assessed and found to comply with the Vinyl Council of Australia (VCA) Best Environmental Practice PVC Guidelines v2.0 (BEP 2.0). This includes meeting the criteria and verification evidence requirements for best practice PVC manufacturing, in line with the Green Star PVC Credit (10 May 2011) and the Auditor Verification Guidance – Issue 2.0 (20 November 2013). Airvent Australia Pty Ltd agrees to maintain compliance with BEP v2.0 as published by the VCA (www.vinyl.org.au). Any changes impacting compliance will be communicated to Pro-Switch for review of certificate validity.

The certificate holder is responsible for the preparation and presentation of information about continuing compliance with the requirements throughout the relevant period, in accordance with Compliance Pathway number 2 Manufacturer's Declaration, as established within the Auditor Verification process.

An audit of the Finished Product Manufacturer was conducted on 23/06/2025 utilising the Green Star Credit-Auditor Verification Guidance of the product types listed below.

Airvent Australia Pty Ltd has been found to specifically comply with the following requirements:-

- Manufacture of PVC Resin as supplied to Airvent Australia Pty Ltd
- Manufacture and End of Life Management of PVC Product
- Use of PVC Recyclate in PVC products

Optional Credits

☒ (1) Responsible Sourcing Policy
☒ (2) Quality Management System
☐ (3) Modern Slavery Statement
☐ (4) Life Cycle Thinking
☐ (5) Transition to Renewable Energy
☐ (6) Packaging Waste

Manufactured in Accordance with	PVC Application Type	Product Description	Brand
AS/NZS 1254 AS/NZS 1260 AS/NZS 1477 AS/NZS 4441 AS/NZS 4765 AS/NZS 2053.2 AS/NZS 2053.6	Finished Product Manufacturer	Low-profile PVC ducting (pipes and fittings)	Ductlab

Issue Date: 4th August 2025
Initial Issue Date: 21st July 2025
Expiry Date: 21st July 2028

Simon Clarke
General Manager

Certificate No.: 4094

CETEC
Professional Scientific Solutions

Emission Test Certificate

Thursday 11th July 2019

Supplier: Ductlab Australia (PO Box 23468, Docklands, VIC, Australia, 3012)

Sample Description: PVC Ducting for Ventilation

Date Tested: July 2019 (Tested by FORAY Laboratories – NATA Accreditation 1231)

Test Method: ASTM D5116-2017 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products".

Emission Data (24 hrs):

Green Building Council of Australia **Green Star Design & As Built v1.1 - 13.1.2B & 13.2** **Green Star Interiors V1.1 - 12.1.2B**	**PVC Ducting for Ventilation**
Total Volatile Organic Compound Emission Rate Limit: ≤0.500 mg/m^2/hr	Total Volatile Organic Compound Emission Rate: 0.005 mg/m^2/hr

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DUCTLAB AUSTRALIA

an Airvent Australia Company