



# NORDFAB

**Australia's Leader in Dust Collection & Fume Extraction Equipment**

**[www.nordfab.com](http://www.nordfab.com)**

**Dust Collectors  
Fume Extractors  
Spray Booths  
Modular Ducting  
Flexible Ducting  
Fume Arms  
Industrial Fans  
Rotary Valves  
Vehicle Exhaust Hose Reels  
Electrostatic Precipitators  
Cyclones**



**With Factories in Sydney, Brisbane & Melbourne**



Ezi-Duct is now in its 25th year in the Dust Collection and Fume Extraction industry. Ezi-Duct has thousands of happy customers with its equipment installed all over Australia and the world.

Ezi-Duct together with its sister company Poxex Environmental Engineering are Australia's leading and largest organisation in the field of dust collection and fume extraction equipment.

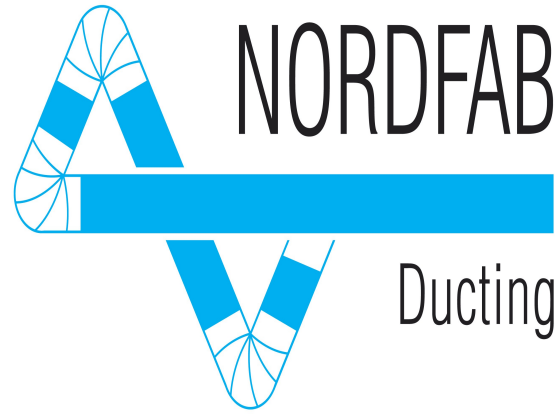
Ezi-Duct is 100% Australian owned and operates globally. We currently provide our products to Australia, Asia Pacific, USA, and Africa.

We have branches and our own factories in Sydney, Melbourne and Brisbane producing the majority of our products.

Our products have been engineered & designed in Australia by a 100% Australian team with decades of industry experience.

They are designed to meet Australia's strict WHS and clean air/ environmental regulations.

Contact us today for free advice on the best & most economical solution to your organisation's requirements.



YOU CAN BREATHE EASY  
WHEN DEALING WITH  
EZI-DUCT

## WE DESIGN & BUILD THE BEST PERFORMING AND ENERGY EFFICIENT DUST COLLECTORS



MELBOURNE



SYDNEY



BRISBANE



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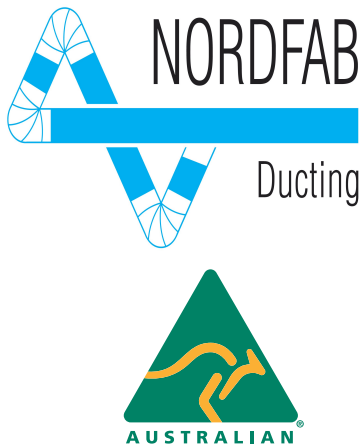
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The majority of our products are Australian made in our Ezi-Duct factories located in Melbourne, Sydney and Brisbane





# DUST COLLECTORS



Ezi-Duct designs and manufactures a huge range of Dust Collectors that are the most energy efficient and best technical solution for any application.

All the Dust Collectors are supplied with Industrial Quality, Energy Saving High Efficiency Fans fitted with WEG CE Motors. Ezi-Duct Dust Collectors are fabricated from corrosion resistant, heavy duty Galvanised Steel.

Dust Collectors are fitted with heavy duty, top quality filter medium. Standard filter bags are 550g/m<sup>2</sup> antistatic needle felt and the filter cartridges are of spun bonded polyester construction.

Call your local Ezi-Duct office for a Team Member to advise you on the right Dust Collector that is best suited for your application.



Econo 15000



2 x MDC 48000 P



MDC 18000 S



eCompact 6000



eCompact 3000



eCompact 12000



EMC1500



MDC24000 P



eCono 4000



eCono 6000 HRV



***The best “economically priced”  
Dust Collector available***

The eCono (economical dust collector) has been engineered and designed in Australia by an Australian team with decades of industry experience. It's designed to meet Australia's strict WHS and clean air/ environmental regulations.

The eCono Dust Collector range, although budget priced, are high quality units packed with features.

They are fabricated from corrosion resistant and robust galvanized steel, fitted with the top quality filter bag medium. The unit's filter bags are snap lock, quick fit/non leak filter bags manufactured from top quality 550g/m<sup>2</sup> polyester antistatic needle felt.

The filter bags are automatically cleaned with a vibration (shaker) system every time the unit is switched off. This ensures that every time the dust collector unit is turned on it is operating at maximum efficiency levels saving energy. The filters are tubular to allow easy dust release during the cleaning cycle reducing the risk of blockages. The automatic cleaning systems are controlled by a PLC fitted into a control panel supplied with the unit.

Dust Collection units without self cleaning filter bags lose up to 50% of the unit's suction or efficiency due to the filter bags being caked with fine dust.

***It's common sense. If air can't  
get out due to blocked bags  
then air can't get in***

## Econo 1500

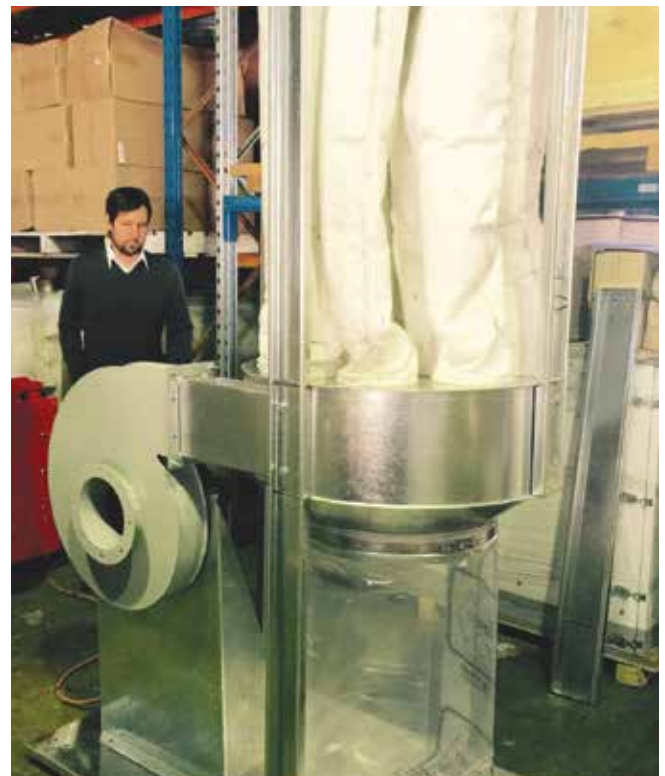
***A “Serious Dust Collector”  
Perfect for a small workshop***

The eCono 1500 is a powerful yet reasonably priced dust collector with a vibration filter bag cleaning system. The eCono 1500 is a proper dust collector, not a hobby unit.

The eCono 1500 has 10 top quality 550g/m<sup>2</sup> polyester antistatic needle felt filter bags that are cleaned with a vibration cleaning system every time the dust collector is switched off. This ensures that the dust collector is working at maximum efficiency when the unit is turned on.

The dust collector is supplied standard with one 200L plastic collection bag or alternatively waste can be deposited directly into a 240L wheelie bin.

They are made from robust corrosion resistant galvanised steel and the fan is a powerful heavy duty, high efficiency “Industrial Quality” fan fitted with a WEG CE 3 phase electric motor.



**Air:** >1500 m<sup>3</sup>/h @ >2500 Pa

**Fan:** 1.5kW WEG CE motor high efficiency, industrial quality

**Collection capacity:** 1 x 200L waste collection bag or 240L wheelie bin

**Filter Bags:** 10 x 550g/m<sup>2</sup> Polyester antistatic needle felt (152mm diameter x 1000mm long)

**Cleaning System:** Vibration

## Econo 4000

**Air:** >4000 m<sup>3</sup>/h @ >2500 Pa

**Fan:** 4.0kW WEG CE motor high efficiency, industrial quality

**Collection capacity:** 2 x 200L waste collection bag or 240L Wheelie bin

**Filter Bags:** 15 x 550g/m<sup>2</sup> polyester antistatic needle felt (152mm diameter x 1000 mm)

**Cleaning System:** Vibration

The dust collector is supplied standard with 2 x 200L plastic collection bags or alternatively waste can be deposited directly into a 240L wheelie bin.

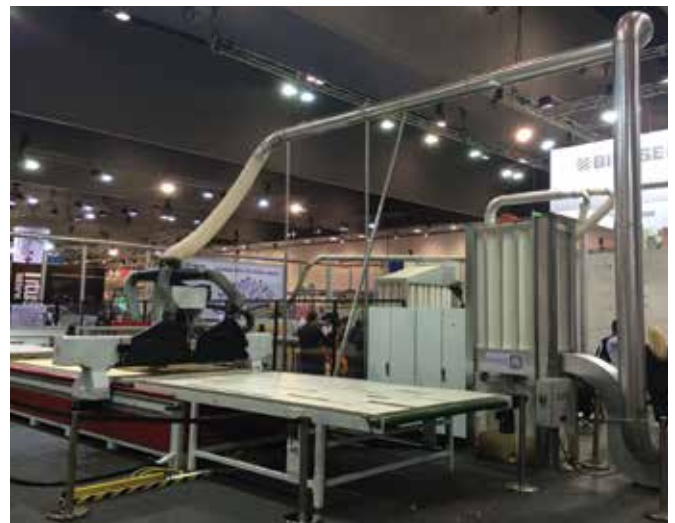
They are made from robust corrosion resistant galvanised steel and the fan is a powerful heavy duty, high efficiency, industrial quality fan fitted with a WEG CE 3 phase electric motor.

The eCono 4000 is a powerful yet budget price dust collector with a vibration filter bag cleaning system.

The eCono 4000 has 15 top quality 550g/m<sup>2</sup> polyester antistatic needle felt filter bags that are cleaned with a vibration cleaning system every time the dust collector is switched off.

This ensures that the dust collector is working at maximum efficiency when the unit is turned on.

*Perfect for a CNC machine or a small to medium workshop*





# eCONO RANGE OF Dust Collectors

## Econo 4000C/6000C

### Econo 4000C

**Air:** >4000 m<sup>3</sup>/h @ >2750 Pa

**Fan:** 4.0kW WEG CE motor high efficiency, industrial quality

**Collection capacity:** 2 x 200L waste collection bag or 240L wheelie bin

**Filter Bags:** 15 x 550g/m<sup>2</sup> polyester antistatic needle felt.

**Cleaning System:** Vibration

### Econo 6000C

**Air:** >6000 m<sup>3</sup>/h @ >2750 Pa

**Fan:** 7.5kW WEG CE motor high efficiency, industrial quality

**Collection capacity:** 2 x 200L waste collection bag or 240L wheelie bin

**Filter Bags:** 25 x 550g/m<sup>2</sup> polyester antistatic needle felt.

**Cleaning System:** Vibration



The eCono 4000C/6000C are powerful yet budget price dust collectors with a cyclonic and vibration filter bag cleaning system.

The eCono 4000C/6000C Cyclonic design separates the dust particles from the airstream and directs them into the waste bags or bin. They also have top quality 550g/m<sup>2</sup> polyester antistatic needle felt filter bags that are cleaned with a vibration cleaning system every time the dust collector is switched off. This ensures that the dust collector is working at maximum efficiency when the unit is turned on.

The dust collector is supplied standard with 2 x 200L plastic collection bags or alternatively waste can be deposited directly into a 240L wheelie bin.

They are made from robust corrosion resistant galvanised steel and the fans are a powerful heavy duty, high efficiency industrial quality fan fitted with a WEG CE 3 phase electric motor.



**Perfect for small/medium sized workshops**

**Waste can either go into collection bags or directly into a wheelie bin for easy disposal**

## Econo 6000

**Air:** >6000 m<sup>3</sup>/h @ >2750 Pa

**Fan:** 7.5kW WEG CE motor high efficiency, industrial quality

**Collection capacity :** 4 x 200L waste collection bag or 240L wheelie bin

**Filter Bags:** 25 x 550g/m<sup>2</sup> polyester antistatic needle felt.

**Cleaning System:** Vibration

*Perfect for a medium sized workshop or joinery*



## Econo 8000

**Air:** >8000 m<sup>3</sup>/h @ >2500 Pa

**Fan:** 11.0kW WEG CE motor high efficiency, industrial quality

**Collection capacity :** 4 x 200L waste collection bag or 240L wheelie bin

**Filter Bags:** 25 x 550g/m<sup>2</sup> Polyester antistatic needle felt.

**Cleaning System:** Vibration

The eCono 6000 and eCono 8000 are more powerful dust collection units yet still come at a budget price. Both units have more filter area and waste collection capacity and both come with a vibration filter bag cleaning system.

The eCono 6000 & 8000 have twenty five top quality 550g/m<sup>2</sup> polyester antistatic needle felt filter bags that are cleaned with a vibration cleaning system every time the Dust Collector is switched off. This ensures that the Dust Collector is working at maximum efficiency when the unit is turned on.

The Dust collector is supplied standard with 4 x 200L plastic collection bags or alternatively waste can be deposited directly into a 240L wheelie bin.

The extra waste collection capacity is great if your workshop generates high waste volumes.

The eCono 8000 has an even more powerful 11kW fan that's perfect if there is a longer duct run or more machines to connect.

They are made from robust corrosion resistant galvanised steel and the fan is a powerful heavy duty, high efficiency industrial quality fan fitted with a WEG CE 3 phase electric motor.





# eCONO RANGE OF Dust Collectors

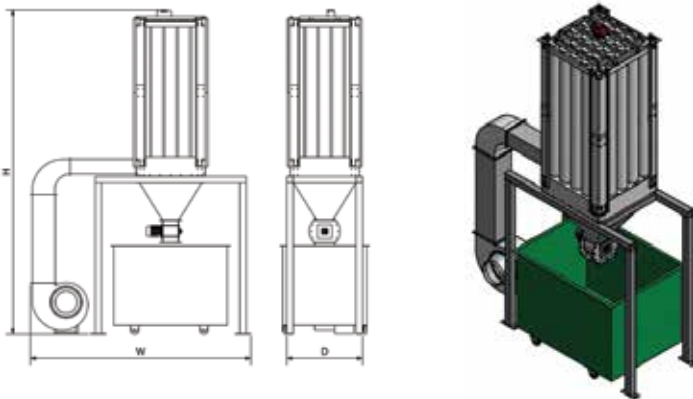
## Econo 6000/8000 HRV (Hopper, Rotary Valve)

The eCono HRV series are eCono dust collection units supplied on a steel stand and dust is automatically deposited into a 3m<sup>3</sup> waste bin.

It's supplied with a hopper and rotary valve, so all the waste is directly deposited into a waste bin up to 3m<sup>3</sup> in size. A huge bonus is the Dust Collector waste bin can be changed/emptied while the unit is still running. This eliminates the need to stop production that equates to large savings in labour costs.

*Easy disposal and saves on labour as all dust deposits directly into the waste bin*

They are made from robust corrosion resistant galvanised steel and the fan is a powerful heavy duty, high efficiency industrial quality fan fitted with a WEG CE 3 phase electric motor.



*The extra waste collection capacity is great if your workshop generates more waste*



# eCONO RANGE OF Dust Collectors

## eCONO 15000 HRV

*Perfect for medium to large sized workshops or manufacturers*



*Perfect if your factory generates more waste*

The Australian designed and manufactured Ezi-Duct eCono 15000 SHRV is the perfect dust collector for workshops with medium size dust loads such as kitchen manufacturers, joinery workshops, staircase manufacturers, furniture manufacturers etc. The eCono 15000 is feature packed and is the most energy efficient unit on the market.

### High Performance

Unmatched performance for energy consumed from our modern high efficiency fan, producing powerful suction of 15000m<sup>3</sup>/h @ 2800 Pa.

### High Efficiency Fan

High efficiency, industrial quality centrifugal fan that produces a **greater air volume at a greater pressure for less energy.**

This is due to the innovative, state of the art design. Fitted with a 18.5kW WEG CE quality motor. The fan noise levels are below work cover regulations for workers without hearing protection.

### Energy Saving Features

Ezi-Duct supplies the latest generation **Variable Speed Drives** together with a **pressure transducer** that will sense changes in the airflow required in the main duct and automatically decreases the fan power when machines connected to the system are not being used.

### Filters

50 x Top Quality 550g/m<sup>2</sup> Anti Static needle felt, snap lock, leak proof Filter Bags. Others companies use lower quality filters of 400g/m<sup>2</sup> or less.

### Rotary Valve

The rotary valve directly deposits waste into a 3m<sup>3</sup> waste bin. This allows the waste bin to be emptied without the dust collector being shut down and production stopping. (Bin cover supplied for free)



Rotary Valve and bin cover (supplied)



Removable Inspection window built into the hopper



# eCOMPACT RANGE OF Dust Collectors

The eCompact (Compact Dust Collectors) are a series of compact, yet powerful and versatile dust collectors that can easily be disassembled to fit into small plant rooms or be located outdoors. The eCompact Dust Collectors have been engineered and designed in Australia by an Australian team with decades of industry experience. They are designed to meet Australia's strict WHS and clean air/environmental regulations.

They are very popular dust collectors and are commonly used in high schools and TAFE colleges in the woodworking rooms for the saw dust collection systems.

All the eCompact ranges are fitted with top quality filter bag medium that are automatically cleaned with a vibration (shaker) system every time the unit is switched off. No compressed air to the units is required. This ensures that whenever the dust collector unit is turned on it's operating at maximum efficiency saving energy. The automatic cleaning system is controlled by a PLC in the control panel supplied with the unit. The filters are tubular to allow easy dust release during the cleaning cycle reducing the risk of blockages. The units filter bags are snap lock, quick fit/no leakage filter bags manufactured from top quality 550g/m<sup>2</sup> polyester antistatic needle felt.

Waste is deposited either into one or two steel collection bins or one or two plastic wheelie bins (more popular now with WHS lifting restrictions).

All eCompact dust collectors are fitted with a high efficiency fan that produces 40% - 50% more suction for the same energy usage.

eCompact dust collector units work under negative pressure so no dirty air (wood chips or blocks) passes through the high efficiency, industrial quality fan fitted with a WEG 3 phase electric CE motor.

The units are quiet to operate with the high efficiency fan enclosed in acoustic material in the top of the unit. To help prevent corrosion eCompacts are built from heavy duty galvanized steel and powder coated afterwards. They are carried ex stock by Ezi-Duct ready for immediate delivery.

*eCompact comes in three models -  
3000 / 6000 / 12000*

## eCompact 3000

**Air:** >3000 m<sup>3</sup>/h @ >3000Pa

**Fan:** 5.5kW WEG CE motor high efficiency, industrial quality

**Collection capacity:** 1 x 80L waste collection bag or 240L wheelie bin

**Filters:** 24 x 550g/m<sup>2</sup> polyester antistatic needle felt.

**Cleaning System:** Vibration

**Dimensions (Wheelie bin):**  
3380(h) x 1150(w) x 800(d)mm

**Dimensions (Steel collection bin):**  
2680(h) x 1150(w) x 800(d)mm



# eCOMPACT RANGE OF Dust Collectors

## eCompact 6000

**Air:** >6000 m<sup>3</sup>/h @ >3000Pa  
**Fan:** 7.5kW WEG CE motor high efficiency, industrial quality  
**Collection Capacity :** 2 x 80L waste collection bin or 2 x 240L wheelie bin  
**Filters:** 40 x 550g/m<sup>2</sup> polyester antistatic needle felt.  
**Cleaning System:** Vibration  
**Dimensions (Wheelie bin):** 3380(h) x 1580(w) x 970(d)mm  
**Dimensions (Steel collection bin):** 2680(h) x 1580(w) x 970(d)mm



eCompact 12000



eCompact 12000 painted in custom Colorbond® Monument for customer

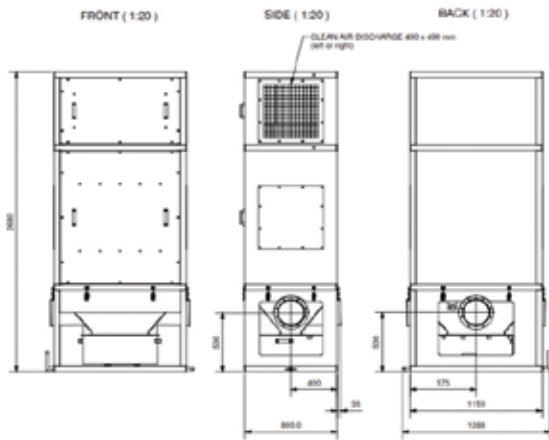
## eCompact 12000

**Air:** >12000 m<sup>3</sup>/h @ >3000Pa  
**Fan:** 18.5kW WEG CE motor high efficiency, industrial quality  
**Collection Capacity :** 2 x 110L waste collection bin or 2 x 240L wheelie bin or 3m<sup>3</sup> Waste Bin (via a Rotary Valve)  
**Filters:** 84 x 550g/m<sup>2</sup> Polyester antistatic needle felt.  
**Cleaning System:** Vibration  
**Dimensions (Wheelie bin):** 3742(h) x 2250(w) x 1370(d)mm  
**Dimensions (Steel collection bin):** 3150(h) x 2250(w) x 1370(d)mm  
**Dimensions (3m<sup>3</sup> Waste Bin (via a Rotary Valve):** 5527(h) x 2550(w) x 1370(d)mm

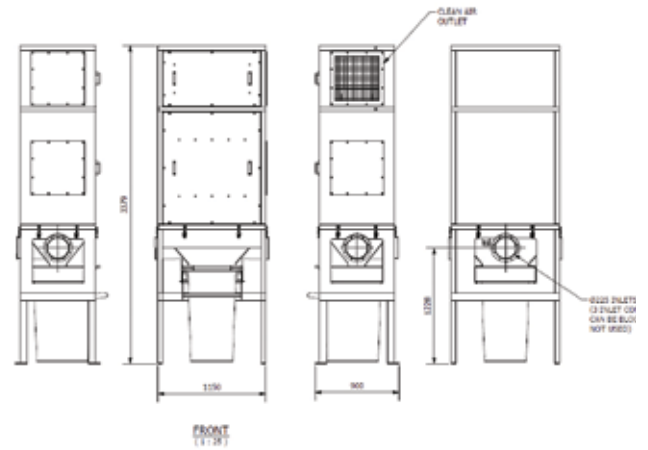


# eCOMPACT Drawings & Dimensions

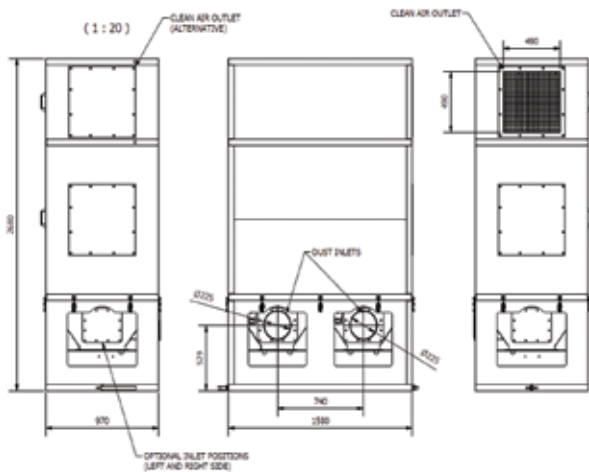
**eCOMPACT 3000 80L**



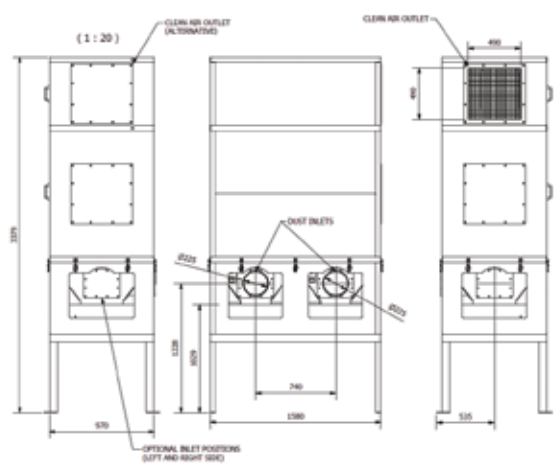
**eCOMPACT 3000 WB**



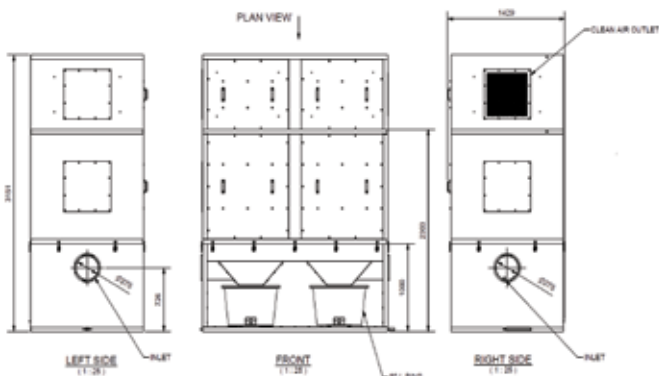
**eCOMPACT 6000 80L**



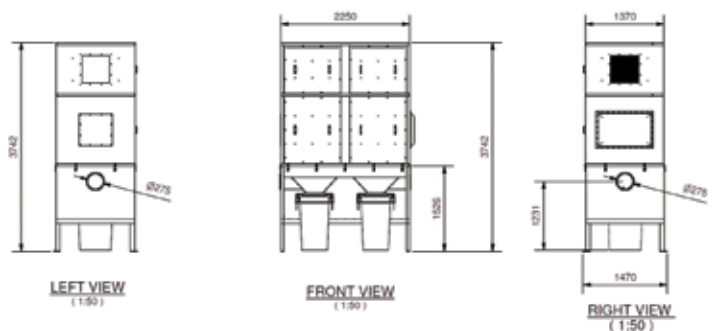
**eCOMPACT 6000 WB**



**eCOMPACT 12000 110L**



**eCOMPACT 12000 WB**



# MDC RANGE of Dust Collectors

Ezi-Duct is very proud to supply & manufacture the MDC range of Dust Collectors (Modular Dust Collector). The MDC Dust Collector has been designed to be the **Best Dust Collection System on the world market**.

The MDC has been engineered in Australia by our sister company Porex Environmental Engineering using a 100% Australian design team with decades of industry experience. It's designed to meet Australia's strict WHS and clean air/environmental regulations.

The MDC range is fitted with top quality filter bag medium or filter cartridges, that are automatically cleaned with either a vibration (shaker) system or a compressed air reverse pulse system. This ensures that the dust collection units are operating at maximum efficiency, saving energy costs. The automatic cleaning systems are controlled by a PLC fitted into a control panel supplied with the unit.

The MDC dust collectors are fitted with Rotary Valves (air lock valves) than enable customers to empty or change the unit's waste bin or bins without turning the unit off & shutting the dust collection system down. This enables the factory to continue running, saving you labour and downtime costs.

The Modular Dust Collectors are available in three configurations to cover all applications.

- MDC S dust collectors with filter bags automatically cleaned by vibration/shaker system whenever the unit is turned off
- MDC P dust collectors with filter bags automatically cleaned continuously by compressed air/reverse pulse system
- MDC PC dust collectors with filter cartridges automatically cleaned continuously by compressed air/reverse pulse system

**The MDC models offer a capacity range from 4000m<sup>3</sup>/h to over 100,000m<sup>3</sup>/h.**

Other options also include:

- Stainless Steel models
- Custom painted models
- Explosion proof models for hazardous areas

Other great MDC features include:

- Heavy duty construction made from corrosion resistant galvanized steel
- High efficiency industrial quality fan offering 40% - 50% more suction for same energy use
- WEG CE motor used on fan
- Outperforms (provides more suction) than other dust collectors with the same size motor
- All MDC dust collection units work under negative pressure so no waste passes through the fan ie: wood chips and blocks or other solid items that cause damage to fan impellers
- The modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collector's filter area capacity
- Quiet to operate (meets most council noise regulations)



MDC36000P (45kW) , large saw dust application



MDC P 130000 (250kW) , MDC PC 72000 (132 kW)  
and 2 MDC PC 24000 Duct Collectors (45kW)  
Being installed in an large agricultural application



# MDC S RANGE of Dust Collectors

The MDC S (Shaker) range of Dust Collectors are a fantastic range for most factories with normal dust loads and medium ducting runs.

The Dust Collectors many top quality filter bags are automatically cleaned every time the dust collector is turned off. This ensures the dust collector is running at maximum efficiency every time the unit is turned on.

The MDC S dust collectors are fitted with Rotary Valves (air lock valves) that feed waste directly into a 3m<sup>3</sup> bin. This great feature enables customers to empty or change the unit's waste bin or bins without turning the unit off and shutting the dust collection system down. This enables the factory to continue running saving labour and down time costs.

### Other great MDC features include

- Heavy duty construction made from corrosion resistant galvanised steel
- High efficiency industrial quality fan 40% - 50% more suction for same energy usage
- WEG CE motor used on fan
- Outperforms (provides more suction) than other dust collectors with the same size motor
- All MDC dust collection units work under negative pressure so no waste passes through the fan i.e: wood chips and blocks or other solid items may cause damage to fan impellers
- The Modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collector's filter area capacity
- Quiet to operate (meets most council noise regulations)



MDC36000S



MDC24000S

Air Range (@ >3000Pa)	>6000 m <sup>3</sup> /h	Up to	>36,000m <sup>3</sup> /h
Fan (WEG CE motor, high efficiency, industrial)	7.5kW	Up to	45kW
Collection Capacity (3m <sup>3</sup> waste bins)	1	Up to	2
Rotary Airlock Valves	1	Up to	2
Filter Bags 550g/m <sup>2</sup> polyester antistatic needle felt	16	Up to	96
Cleaning System	Vibration Cleaning System		
Dimensions	Please see data sheet		



MDC18000S



MDC12000S



MDC18000S



MDC12000S



MDC12000S

# MDC P RANGE of Dust Collectors

*It's the best performing and most energy efficient Dust Collector on the market*

The MDC P (Pulse) range of Dust Collectors are the top performing and most energy efficient range for factories with normal to high dust loads and medium to long ducting runs. The Dust Collector's many top quality filter bags are continuously and automatically cleaned while the unit is operating using a pulse of compressed air. This ensures the dust collector is running at maximum efficiency at all times. The MDC P Dust Collectors are fitted with Rotary Valves (air lock valves) that feed waste directly into a 3m<sup>3</sup> bin. This great feature enables customers to empty or change the unit's waste bin or bins without turning the unit off and shutting the dust collection system down. This enables the factory to continue running saving labour and down time costs.

Other great MDC features include

- Heavy duty construction made from corrosion resistant galvanised steel
- High efficiency industrial quality fan 40% - 50% more suction for same energy usage
- WEG CE motor used on fan
- Outperforms (provides more suction) than other dust collectors with the same size motor
- All MDC dust collection units work under negative pressure so no waste passes through the fan i.e: wood chips and blocks or other solid items that cause damage to the fan impellers
- The Modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collector's filter area capacity
- Quiet to operate (meets most council noise regulations)



MDC 24000P



MDC 72000P

Air Range (@ >3000Pa)	>6000 m <sup>3</sup> /h	Up to	>100,000m <sup>3</sup> /h
Fan (WEG CE motor, high efficiency, industrial)	7.5kW	Up to	150kW
Collection Capacity (3m <sup>3</sup> waste bins)	1	Up to	4
Rotary Airlock Valves	1	Up to	4
Filter Bags 550g/m <sup>2</sup> polyester antistatic needle felt	25	Up to	600
Cleaning System	Fully Automated Reverse Pulse		
Dimensions	Please see data sheet		



MDC 36000P



MDC 36000P



MDC 36000P



MDC 48000P



MDC 36000P



# MDC PC RANGE of Dust Collectors

***It's the best performing and most energy efficient Dust Collector on the market***

MDC PC (Pulse Cartridge) Range of dust collectors are a top performing, energy efficient range of dust collectors which automatically and continuously self clean its filter cartridges with a reverse pulse action. The MDC PC is available with airflow from 4,000 to 256,000m<sup>3</sup>/h, however our MDC can be customised to handle larger volumes.

The MDC PC dust collector is supplied standard with 80L bin/s with the option available to customise it to use wheelie or 3m<sup>3</sup> bins. Rotary valves are also available for this model depending on the size and application.

Other great MDC features include:

- Heavy duty construction made from corrosion resistant galvanised steel
- High efficiency industrial quality fan 40% - 50% more suction for same energy usage
- WEG CE motor used on fan
- Outperforms (provides more suction) than other dust collectors with the same size motor
- All MDC dust collection units work under negative pressure so no waste passes through the fan i.e: wood chips & blocks or other solid items may cause damage to fan impellers
- The Modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collector's filter area capacity
- Quiet to operate (meets most council noise regulations)



MDC6000PC



MDC64000PC



MDC48000PC



MDC36000PC

Air Range (@ >3000Pa)	>4000m <sup>3</sup> /h	Up to	>256,000m <sup>3</sup> /h
Fan (WEG CE motor, high efficiency, industrial)	7.5kW	Up to	150kW
Collection Capacity (3m <sup>3</sup> waste bins)	80L steel collection bins or Rotary Airlock Valves into waste bins up to 3m <sup>3</sup>		
Rotary Airlock Valves (dependent on model)	0	Up to	4
Filter Cartridges (Spun Bonded Polyester Cartridges)	4	Up to	144
Cleaning System	Fully Automated Reverse Pulse		
Dimensions	Please see data sheet		

# EMISSION CONTROL

The eMission control is a fantastic series of mobile fume extractor/ Dust Collectors suitable for extraction and filtration of:

- Welding fumes
- Airborne grinding dust
- Odour control
- and many more applications

All eMission control models have a series of three filters

- A spark arrester to help prevent any sparks causing a fire
- A primary filter or filters to take out 99.9% of particulate or dust from the air flow
- A carbon filter that removes odours from the air flow

The eMission control is an Australian air filtration unit designed by the team at Porex Environmental Engineering. The eMission control design incorporates a high efficiency, industrial quality fan that provides much greater suction for the same energy usage. All of the three models have compressed air filter cartridges cleaning systems that ensure the eMission control is running at 100% efficiency everytime it is operating.

## eMission Control features

- Compact design
- Powerful 1.5, 2.2 or 4.0 kW high efficiency fan
- Airflow 1500, 2500 and 4000 + m<sup>3</sup>/h
- Automatic reverse-pulse cleaning (manual on EMC 1500)
- Spark arrester
- Cartridge filters 99.9% efficiency
- Carbon filter for odour removal
- Suitable for one (EMC 1500) or two extraction arms
- Fits through standard doorways
- Heavy duty rubber castor wheels
- Powder coated finish
- Weatherproof
- 1.2mm thick folded sheet metal construction
- Easy access lift-out cartridge filters.
- Complies with regulatory minimum emission standards.
- Complies with regulatory noise standards.



## eMission Control 1500

Although modestly priced and very small and mobile, it's 1.5kW 240V single phase high efficiency fan produces more than 1500m<sup>3</sup>/h @ 1500Pa. It has three filters, a pre "spark arrester" to help stop sparks from getting into the machine, a spunbonded polyester main filter or odour control and a carbon filter on the outlet. The unit connects directly to a compressed air line and the main filter is cleaned by turning a manual lever on the top of the unit. The unit is supplied standard with a 3m Eziflex fume arm complete with hood and damper.





# EMISSION CONTROL

## eMission Control 2200

*The eMission Control 2200 is a fully mobile pulse Fume Extractor/ Dust Collector unit.*

The eMission Control 2200 2.2kW 415V three phase high efficiency industrial quality fan produces an airflow of more than 2500m<sup>3</sup>/h @ 1500Pa. It has three filters, a pre "spark filter" to help stop sparks from getting into the machine, two main poly/cellulite blend main filters and for odour control and a carbon filter on the outlet.

### **Set and forget fully automatic primary cartridge cleaning**

The unit connects directly to a compressed air line and the main filter is cleaned by a fully

automatic reverse pulse system controlled by a PLC fitted in the unit. The unit has its own air tank built in ensuring the eMission control will run at 100% efficiency every time it is operating.

### **Powerful airflow**

The eMission Control 2200's powerful airflow enables it to operate two 3m x 150mm diameter Ezi-arms at the same time. The unit can also be connected to steel ducting and/or flexible ducting to service multiple collection points.



## eMission Control 4000

The eMission Control 4000 produces a huge air flow for a fully mobile reverse pulse Fume Extractor/ Dust Collector.

The eMission Control 4000 4.0kW 415V three phase high efficiency industrial quality fan produces an airflow of more than 4000m<sup>3</sup>/h @ 1500Pa. It has three filters, a pre "spark filter" to help stop sparks from getting into the machine, six main poly/cellulite blend main filters and for odour control, a carbon filter on the outlet.

### **Set and forget fully automatic primary cartridge cleaning**

The unit connects directly to a compressed air line and the main filter is cleaned by a fully automatic reverse pulse system controlled by a PLC fitted in the unit. The unit has its own air tank built in to ensure the eMission control will run at 100% efficiency every time it is operating.

### **Powerful airflow**

The eMission Control 4000's powerful airflow enables it to operate two 3m x 150mm diameter Ezi-arms at the same time. The unit can also be connected to steel ducting and/or flexible ducting to service multiple collection points.

Several years ago Porex Environmental Engineering & Ezi-Duct won a Global tender to supply the world's best performing air filtration equipment for large international company's new pipe laying ship (the world's newest and largest) The twenty eMission Control 4000 & 2200 units supplied for the vessel run 24 hours a

day in a very harsh environment. They remove welding fumes, grinding dust & paint fumes from the enclosed areas of the ship. The company is very happy with our equipment and are specifying the eMission Control for their next ship currently under construction.



# ULPA FILTER Medical/Commercial Air filtration

Ezi-Duct and Porex Environmental Engineering have teamed up to design and make the new ULPA filter, a powerful yet portable filtration apparatus that can filter and remove 99.99% of the particulates that are 0.12 µm or more in diameter. It can conceivably lower the amount of particulates, including pathogens from the environment, both from the air and potentially from surfaces.

Contaminated air is efficiently extracted from within a room and filtered through an array of ultra high efficiency filters (ULPA16) before being released. Filtering such small particle sizes produces high resistance which is overcome with a powerful high efficiency backward curved extraction fan.

ULPA Filter can either operate as a standalone unit in larger areas or ducting can be connected to it to filter the air from several smaller rooms. It can be used in such areas as hospital or medical center waiting rooms, schools or university classrooms, office environments, shops, supermarkets, aged care facilities, restaurants, clubs and anywhere where people gather.

Dimensions (W x L x H)	700 x 1050 x 1300 mm	Main Filter	ULPA16
Airflow	Up to 3,500 m <sup>3</sup> /h	Pre Filter	Synthetic G4
Pressure	Up to 1,000 Pa	Speed control	Infinite
Power	1.5 kW	Materials	Stainless steel 304 (#4)
Full Load Current	10 A	Construction	Bolted
Speed	2,850 rpm	Wheels	Lockable castors
Phase	Single	Electrical Connection	3 pin plug (10 A)
Frequency	50 Hz	Certification (electrical)	CE
Protection	IP55	Certification (filtration)	ULPA 16

## BENEFITS

### Reduce risk of viruses being spread

- Continuously extract and filter air and reduce the risk of potentially contaminated air

### Assist HVAC systems

- Assist existing HVAC systems and to avoid recirculating air between rooms

### Minimise contaminated PPE

- One of the highest-risk activities is the removal of contaminated PPE for Health care workers treating infected patients
- Having an additional filter to purify surrounding air and not just the air being breathed may reduce the amount of contamination of PPE and other objects and surfaces in the vicinity

Configuration	A Recirculate the air within the room	B Filter the air leaving the room	C Filter the air coming into the room	D Filter the air coming into and out of the room
Schematic				

Number of units required (based on room size and configurations A, B and C)

Room volume (m <sup>3</sup> ) *	Up to 250 m <sup>3</sup>	Up to 500 m <sup>3</sup>	Up to 750 m <sup>3</sup>	Up to 1000 m <sup>3</sup>	Up to 1250 m <sup>3</sup>
Number of units required	1	2	3	4	5

\*The room volume can be calculated by multiplying the width, length and height of the room in metres.

## What is the difference between HEPA & ULPA filters?

The key difference between industrial HEPA filters and ULPA filters is in the size of the particles they can remove. While HEPA filters can remove up to 99.97% of contaminants as small as 0.3 µm in diameter, ULPA filters can remove 99.99% of the particulates that are 0.12 µm or more in diameter.



# ELECTROSTATIC PRECIPITATOR (ESP)

The electrostatic precipitator (ESP) is a filtration device that removes fine particles, like dust and smoke, from flowing gas using the force of an induced electrostatic charge minimally impeding the flow of gases through the unit.

They are perfect for applications such as oily smoke and kitchen exhaust filtering.

In contrast to using a wet scrubber which applies energy directly to the flowing fluid medium, an ESP applies energy only to the particulate matter being collected and is very efficient in its consumption of energy (in the form of electricity.)

**ESP's are supplied in modules and can be installed in groups for larger applications.**



## Features

- The smart control unit makes it possible to automatically wash ESP modules at regular intervals. This effectively eliminates the difficulties and inconvenience of cleaning the ceiling installed module/s manually
- Timed programming for each section of washing is available, so that a custom washing procedure can be made, taking into account the customer needs
- The PWM power supply module makes the product more steady, safe and efficient
- A better clean is provided with the cleaning solution tank and pump valve system with warm water
- The smart control system can be programmed in a 24hour/7day cycle
- The high performance washing nozzles used with the spray cleaning solution effectively removes grease during the cleaning cycle

## Single Pass

Model	Airflow (m <sup>3</sup> /h)	Dimensions L x W x H (mm)	Flange size W x H (mm)	Efficiency (%)	Pressure drop (Pa)	Power (W)	Weight (kg)
ESP-S 3500	3000 - 3500	640x765x690	485x530	95	<60	120 (200)	60
ESP-S 7000	6000 - 7000	640x1300x690	1020x530	95	<60	220 (520)	94
ESP-S 10500	9000 - 10500	640x1836x690	1560x530	95	<60	320 (920)	122
ESP-S 14000	12000 - 14000	640x1300x1380	1020x1220	95	<60	440 (1040)	188
ESP-S 21000	18000 - 21000	640x1835x1380	1560x1220	95	<60	640 (1840)	244
ESP-S 31500	27000 - 31500	640x1835x2070	1560x1950	95	<60	960 (2760)	366

## Double Pass

Model	Airflow (m <sup>3</sup> /h)	Dimensions L x W x H (mm)	Flange size W x H (mm)	Efficiency (%)	Pressure drop (Pa)	Power (W)	Weight (kg)
ESP-D 3500	3000 - 3500	1060x765x690	485x530	99	<60	240 (320)	120
ESP-D 7000	6000 - 7000	1060x1300x690	1020x530	99	<60	440 (740)	188
ESP-D 10500	9000 - 10500	1060x1836x690	1560x530	99	<60	640 (1240)	244
ESP-D 14000	12000 - 14000	1060x1300x1380	1020x1220	99	<60	880 (1480)	376
ESP-D 21000	18000 - 21000	1060x1835x1380	1560x1220	99	<60	1280 (2480)	488
ESP-D 31500	27000 - 31500	1060x1835x2070	1560x1950	99	<60	1920 (3720)	732



# VEHICLE EXHAUST HOSE REELS ELECTRIC

The Ezi-Duct VEHRE (Vehicle Exhaust Hose Reels Electric) are the best and most practical solution for the removal of harmful engine exhaust fumes from your workshop area.

This ensures no harmful exhaust fumes go back into your workshops resulting in breathable air, greatly improving the air quality for you and your staff.

Their clever design uses a large hose reel designed with a built in electric motor to lower and retract the unit's 10m of hose. The unit is simple to operate using the supplied remote control.

The VEHRE has a powerful high efficiency fan providing over 1000m<sup>3</sup>/h @ 1000Pa of suction. It is powered by an industrial quality 0.75kW CE motor. Alternatively several VEHRE units can be ducted into one centralised fan.

The standard hose fitted into the VEHRE unit is a crush resistant hose cable constructed using an EPDM and polyamide helix with a EPDM coated fabric. The wall thickness is 0.80mm approx. It has a temperature range for exhaust gas temperatures to up to 190°C (220°C for a short time) when correctly applied with exhaust gas funnels and sufficient fresh air supply 50% approximately.

The Ezi-Duct Vehicle Exhaust Hose Reels are available in two models fitted with either 10m of 102mm diameter or 152mm diameter hose.

Other higher temperature hoses are available for special applications and other size VEHRE can be manufactured.



VEHRE 100



VEHRE 150



102mm dia nozzle



High efficiency fan

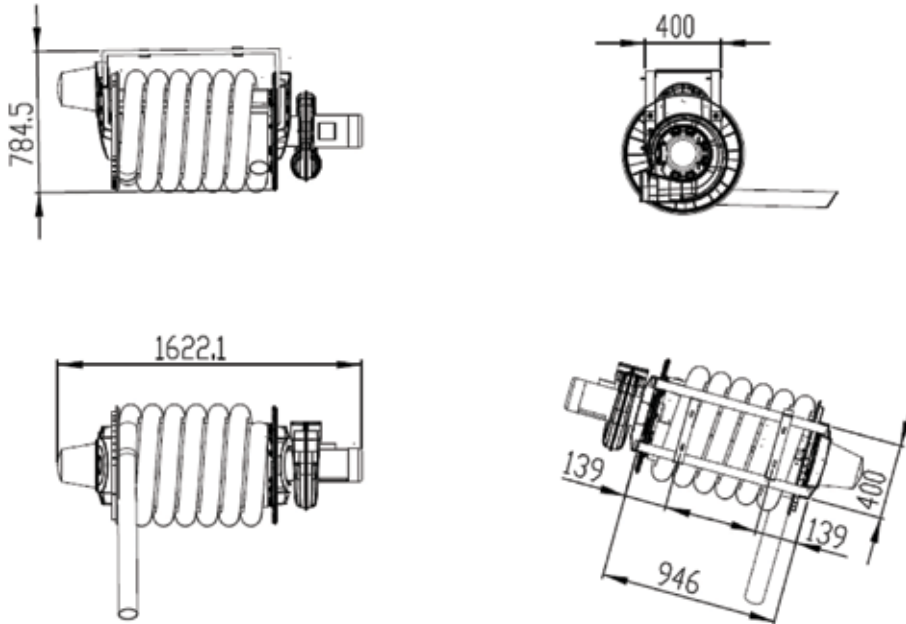


150mm dia nozzle

# VEHICLE EXHAUST HOSE REELS ELECTRIC

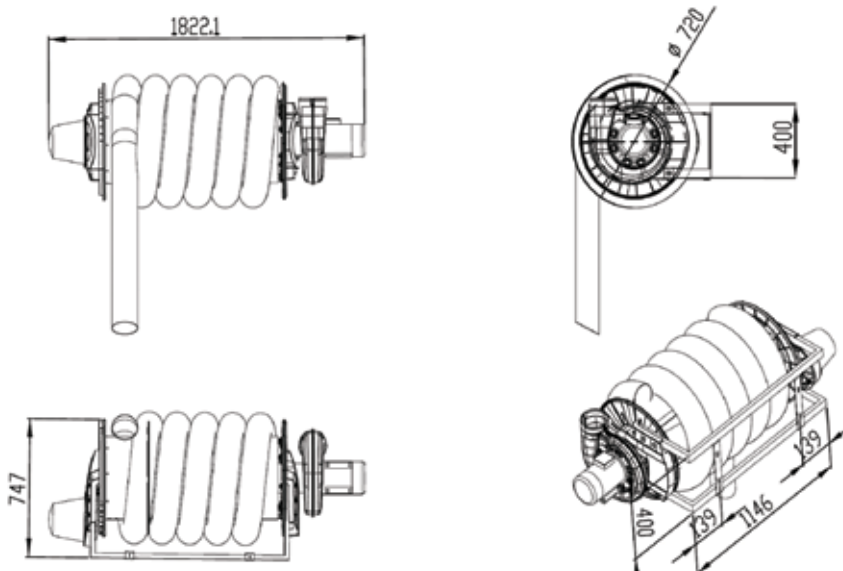
## VEHRE 100mm

102mm dia. x 10 mtrs of hose and fan fitted.



## VEHRE 150mm

152mm dia. x 10 mtrs of hose and fan fitted.





# SPRAY BOOTHS



## Dry Spray Booths



Ezi-Duct manufactures a large range of Dry Spray Booths. The booths are constructed from either Galvanised Steel or Cool Room Panels. Dry paper filter backed with a coalescing media is fitted to the filter wall that is suitable for most paint and adhesive products. All spray booths are supplied with EXE Axial Flow Fans and lighting which are 100% compliant to AS4114 (The Australian Standard for Spray Booths). Booths can be custom made to meet customer's requirement and available factory space.



Model	Height	Internal Width (mm)	External Width (mm)	Internal Height (mm)	Working Depth (mm)	Overall Depth (mm)	Airflow (L/s)	Fan Qty
SBD 2/	2.25	2000	2100	2250	1050	2100	2250	1
	2.85			2850				
SBD 3/	2.25	3000	3100	2250	1050	2100	3375	1
	2.85			2850			4275	
SBD 4/	2.25	4000	4100	2250	1050	2100	4500	1
	2.85			2850			5700	
SBD 5/	2.25	5000	5100	2250	1050	2100	5625	1
	2.85			2850			7125	
SBD 6/	2.25	6000	6100	2250	1050	2100	6750	2
	2.85			2850			8550	

## Wet Spray Booths

Our range of Wet Spray Booths are constructed from either Galvanised or Stainless Steel Panels. Filtration is achieved by a circulating wall of water and is suitable for most paint and adhesive products. All spray booths are supplied with EXE Axial Flow Fans and lighting which are 100% compliant to AS4114 (The Australian Standard for Spray Booths). Booths can be custom made to meet customer's requirements and available factory space.



Model	SBW30	SBW45	SBW60
Water Curtain Width	3000mm	4500mm	6000mm
Max Fan Capacity	2 x 16000m3/h	3 x 16000m3/h	3 x 18000m3/h
Fan Motor	2 x 1.5kW	3 x 1.5kW	3 x 2.2kW
Overall Dimensions ( W x H x D )	3300 x 2550 x 2200mm	4800 x 2550 x 2200mm	6300 x 2550 x 2200mm
Weight	1200kg	1700kg	2200kg

# IONITEC



## Dries Paint in 3 minutes with Gas IR Technology

Our Paint Booth Technologies is the proud Australasian partner of IONITEC. Over the last 10 years IONITEC has developed a paint curing system that is the best and most rapid in the world. Not only can it dry paint in a fraction of the time of conventional spray booth systems, it saves up to 90% on energy costs.

The system is most widely used in Europe by companies such as the McLaren Formula team, Siemens and many more.

## Gas Catalytic Infra-Red Drying Equipment

The Ionitec paint booths and preparation booths are installed with a Swiss Designed Ionitec Arch, a completely automatic computerized system, for drying paintwork using Gas Catalytic infra-red drying technology.

The booth features innovative paint drying semi-arch arms that emits infra-red rays which heat only the painted part of the vehicle without having to heat the entire paint booth. This increases the productivity while decreases the energy consumption needed for drying the paint.

We use High efficiency centrifugal fans that produce 40% more air at a greater pressure for the same energy usage.



## Spray Booths

When our spray booths are installed with the Swiss designed Ionitec Arch, the productivity levels are greatly increased with energy consumption being lowered by 90%. We use High Efficiency Centrifugal Fans that produce 40% more air at a greater pressure for the same energy usage.

All our Spray Booths meet AS/NZS 4114.1:2003 and OHS AS/NZS 4801:2001.



## Preparation Areas

Maximising productivity and lowering costs is the key to running a successful business. Paint Booth Technologies fully understand what customers require in their Preparation areas.

We work closely with our clients to ensure their preparation areas are always operating at the most productive and fastest possible levels. We will spend time with our clients and design the preparation areas that will not only meet but will exceed their requirements and expectations.



# WET SCRUBBERS

Ezi-Duct supplies the Porex range of particulate scrubbers. Scrubbers are designed for the filtering of contaminated air, fumes, smoke and fine dust.

The polluted air first enters the scrubber through a 90° bend and is intercepted by an array of water droplets.

The air is accelerated as it enters the scrubber by a venturi plate to increase the number of collisions with the water droplets. Water is recirculated from the water tank to the spray jets.

The remainder of the combined air-water mixture travels through to the perforated baffle. The water that passes through here produces a dam of water which acts as another stage of filtration.

Finally, the air-water mixture enters a mist eliminator to remove any moisture present in the air stream. Sludge forms in the collection tank below. Scrubbers are constructed out of fully welded stainless steel sheetmetal.



## High VAC Systems

The High Vacuum Reverse-Pulse Bag Filter series is a robust and efficient range of dust collectors with high negative pressure. These systems are ideally suited to high vacuum continuous operation such as pneumatic conveying systems and industrial centrally ducted vacuum systems. The units are available in stainless steel for food, pharmaceutical and laboratory applications.



Polluted air enters through the hopper and is directed through the array of tubular filters. Tubular filters permit reliable dust release. Larger particles drop out into the hopper while lighter and finer particles continue to the array of filters. The cleaned air is then discharged to atmosphere or through discharge ductwork. The HVAC units filters are cleaned with a reserve pulse of compressed air. Compressed air is ejected through a series of solenoid valves which travel through each row of filters. The air causes the dust to fall off the filters and collect in the bin below.



# FUME ARMS

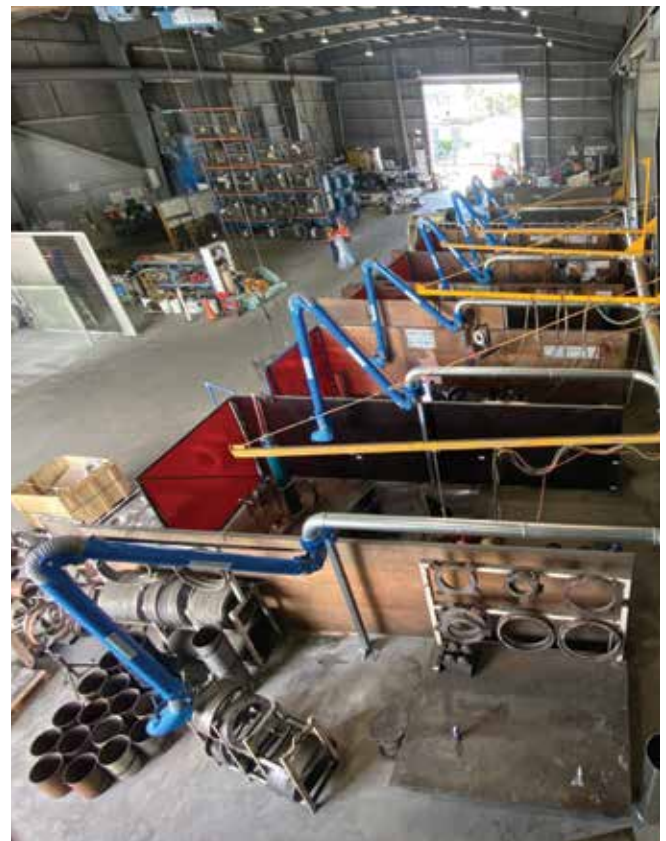
## Ezi-Arm Fume Arms

The Ezi-Duct Ezi-Arm is a self supporting suction arm that is the best technical solution for the extraction of fumes and dust. Its design has no internal obstructions that cause turbulence and snag points. The flexible ducting has been kept to a minimum due to the high friction loss and wear possibilities associated with this product.

The Ezi-Arm comes in three models 2.2m, 3m and the big 4.6m model. All are 150mm in diameter and are supplied with a wall mounting bracket and damper. All model Ezi-Arms are carried ex-stock in Ezi-Duct's three branches. The Ezi-Arm can rotate 360° and is designed with an ease of use principle for the operator. This enables an enormous number of suction hood positions.

They are ideal for many applications that include the removal from workers faces of welding fumes, sanding dust, odours and other harmful dust and fumes.

The Ezi-Arm can be installed as a single unit with its own individual fan or in configurations with multiple Ezi-Arms connected together by Ezi-Duct modular ducting to one of our Ezi-Duct powerful centrifugal fans.





# FUME ARMS

## Ezi-Flex Telescopic Fume Arm

The new Ezi-Flex Telescopic Fume Arm is an ideal economical solution for the removal of welding and other fumes from your workplace. It is designed for applications where space is limited such as in many Schools or TAFE Colleges. It works on an internal sliding mechanism and uses flame retardant flexible ducting. The hood is made from light weight steel construction with an aluminium handle. This makes the Ezi-Flex Fume Telescopic Fume Arm very light and manoeuvrable. The Ezi-Flex Fume Telescopic Arm is supplied standard with a wall bracket and a fitted damper to control the air flow. It is 160mm in diameter and has an adjustable reach of 0.9 -1.6m.



## Ezi-Flex Fume Arms

The new 3m Ezi-Flex Fume Arm is an ideal economical solution for the removal of welding and other fumes from your workplace.

It is constructed with an internal three stage mechanism and flame retardant flexible ducting. The hood is made from light weight steel construction with an aluminium handle. This makes the Ezi-Flex Fume Arm very light and manoeuvrable. The Ezi-Flex Fume Arm is supplied standard with a wall bracket. It has an extended reach of 3m. It is 160mm in diameter.



## Ezi-Flex Fume Arm on Slide Rail

The new 3m Ezi-Flex Fume Arm is an ideal economical solution for the removal of welding and other fumes from your workplace.

It is constructed with an internal three stage mechanism and flame retardant flexible ducting. The hood is made from light weight steel construction with an aluminium handle. This makes the Ezi-Flex Fume Arm very light and manoeuvrable. This Ezi-Flex Fume Arm is supplied on a slide rail for greater reach. The fume arm itself has an extended reach of 3m, with the ducting at 160mm in diameter.



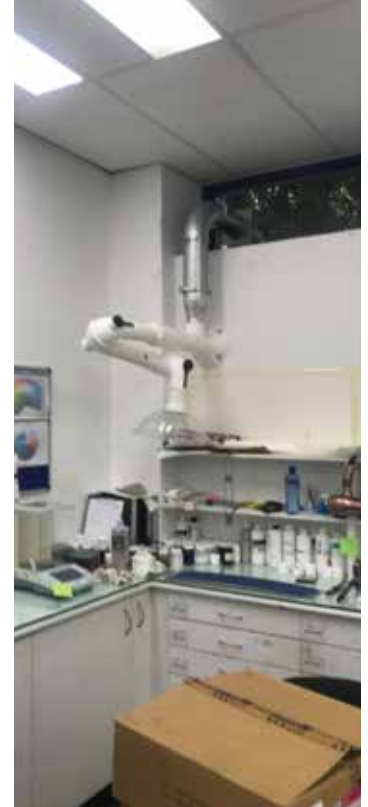
# FUME ARMS

## Laboratory Fume/Dust Extraction Arm (ELA)

The Laboratory Fume/Dust Extraction Arm(ELA) is perfect small articulated suction arm constructed from strong corrosion resistant PVC. The unit is fitted with a clear plastic, see through hood. It's 76mm diameter and is approximately 1000mm long. The ELA is perfect for the removal of fume and dust in laboratories, electronic/soldering applications, nail polish fumes in beauty parlours and many other applications. They can be wall or counter mounted.



Bench Mount Lab Arm



Wall/Ceiling Mount Lab Arm

## Stainless Steel Fume Arm

The new 3m Ezi-Flex Fume Arm Stainless steel is constructed from 304 stainless steel contraction with food/pharmaceutical grade PU flexible hose. The hood is made from light weight steel construction with an aluminium handle. This makes the Ezi-Flex Fume Arm very light and manoeuvrable. The Ezi-Flex Fume Arm is supplied standard with a wall bracket. It has an extended reach of 3m. It is 160mm in diameter.





# OIL MIST FILTER, ROTARY SEPARATOR, ROOF VENTILATOR

## Oil Mist Filter (eOF)

The NO OIL filter unit has been made to purify air in working premises where oily fumes are produced, and to recover and allow the recycling of the oil.



## Rotary Separator

Ezi-Duct manufactures and supplies the Porex designed rotary separator range. The Rotary Separators are design to separate from a moving air stream products that have a large surface area. They are very commonly used for paper trim systems, cardboard and packaging industry, aluminium foil trim systems and in the recycling industry. The perforated rotating impeller allows for continuous blockage free operation.



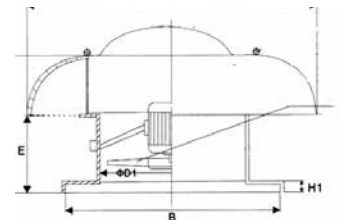
## Filter Bags & Cartridges

Save time and money when you need to replace your dust collectors or fume extractors replacement filter bags and or filter cartridges.

Ezi-Duct can supply you with replacement filter bags and filter cartridges at the most competitive rates on the market. Ask your Ezi-Duct sales person for prices on products that will suit your requirements.



## Roof Ventilator



### Ezi-Duct Roof Ventilator fan series

The Ezi-Duct Roof Ventilator fan is the perfect solution for ventilating and cooling down factories and warehouses.

### Operating Principal

Air is moved vertically through a fan impeller and discharged uniformly beneath the rain-cap.

# ROTARY VALVES

Rotary Valves are used as an airlock feeder valve at the bottom of pressurised vessels (both negative and positive) such as dust collectors, cyclones and hoppers.

Rotary Valves are used for wood dust and shavings, paper, animal feed and cereals, plastics and many other free flowing products.

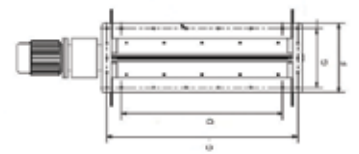
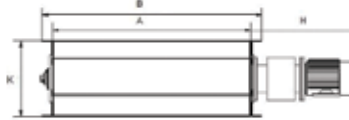
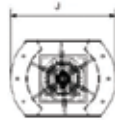
They are fabricated in 3mm black plate and painted and have a rotational speed of 20 rpm. Rotary Valves have six blades with rubber tips and have a bearing at one end and a gear box motor mounted directly on the other end.

The approximate capacity of a rotary valve is calculated at 50% full when used under dust collectors, cyclones etc. When used as a rotary feeder under hoppers, the rate can be increased to 80 – 90% of total capacity.



Rotary Valve Output @ 50%

R.V.250	20m <sup>3</sup> /hr
R.V.500	40m <sup>3</sup> /hr
R.V.925	60m <sup>3</sup> /hr
R.V.5000	90m <sup>3</sup> /hr



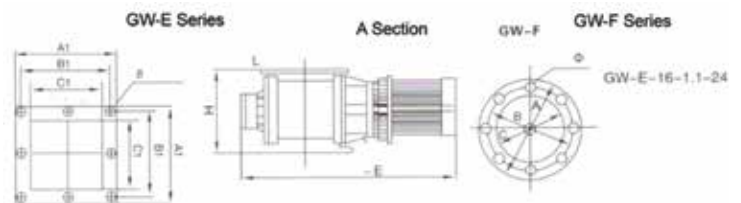
Rotary Valves	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm
R.V.250	250	350	300	2 x 150	11Ø	300	2 x 150	460	490	350
R.V.500	500	350	300	1x200(+)+2x175	11Ø	300	2 x 150	460	490	350
R.V.925	925	1025	975	5 x 165	11Ø	300	4 x 75	460	490	350
R.V.5000	500	590	560	4x140	11Ø	560	4 x 140	460	860	600

## Cast Iron Valve

The Ezi-Duct Cast Iron Rotary Valve has internally machined surfaces that permit free movement of the impeller whilst maintaining an airtight seal.

Product is fed through the square inlet opening and is moved through an airlock by a rotating impeller, and discharged on the opposite side.

Constructed by cast iron with machined internal surface.



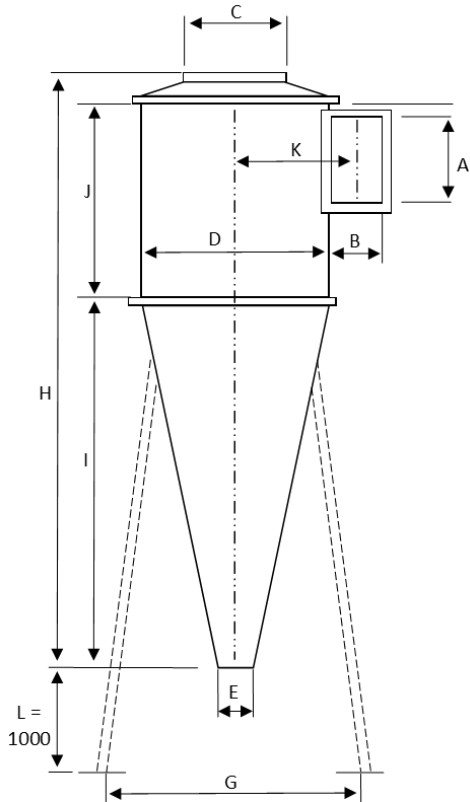
Model	Volume per round (L/round)	Motor power (kW)	Valve speed (rpm)	Working temp (°C)	Dimensions (mm)								
					A	B	C	A1	B1	C1	H	E	Flange hole diameter
RV2	2	0.55	24	<300	240	200	150	240 x 240	200	150 x 150	240	~680	9
RV4	4	0.55	24	<300	280	240	180	280 x 280	230	180 x 180	280	720	11
RV6	6	0.75	24	<300	300	260	200	300 x 300	250	200 x 200	300	~740	11
RV8	8	0.75	24	<300	320	280	220	320 x 320	270	220 x 220	320	~760	11
RV10	10	1.1	24	<300	340	300	240	340 x 340	290	240 x 240	340	~800	11
RV12	12	1.1	24	<300	360	320	260	360 x 360	310	260 x 260	360	~820	13



# CYCLONES

Ezi-Duct manufactures a large range of Cyclones. Cyclones are fabricated to customers requirements or Ezi-Duct has several designs that customers are welcome to order.

Cyclones are manufactured from galvanised steel or in stainless or mild steel on request.



Cyclone Type C.V	A mm	B mm	C mm	D mm	E mm	F m <sup>3</sup> /Hr	G mm	H mm	I mm	J mm	K mm	S mm
CV400	285	125	250	400	200	1600	1100	1790	1020	710	400	1.6
CV500	350	160	250	500	200	2500	1200	1790	1020	710	400	1.6
CV700	445	200	400	700	300	5000	1400	2500	1405	995	419	1.6
CV1000	560	300	550	1000	400	8000	1700	3725	2050	1500	615	1.6
CV1300	750	400	700	1300	450	15000	2000	5090	2820	2000	780	2
CV1600	1100	500	800	1600	550	25000	2300	5420	3150	2000	1050	3
CV1800	1500	500	1000	1800	650	35000	2500	6250	3450	2500	1150	3

# FANS & BLOWERS

Ezi-Duct carries EX-STOCK and produces to requirements a large range of industrial quality, high efficiency centrifugal fans, side channel & Roots high pressure blowers, high pressure Fans, Chopper Fans Stainless steel fans and Axial Flow fans. All our fans and blowers are designed produce the maximum possible airflow for the energy used.

## TF range of Fans

We carry ex-stock in our three state branches the TF range of Industrial quality, high efficiency centrifugal fans. TF 0.75kW, 1.5kW, 3kW, 4kW, 7.5kW, 11kW, 15kW, 18.5kW, 22kW, 30kW, 45kW.

The TF range of fans produce a high air flow at a high negative pressure and are fabricated from heavy duty materials. They are perfect for Dust Collection Systems and other industrial type applications where high suction is required. Performance data curves on all fans are available on request.



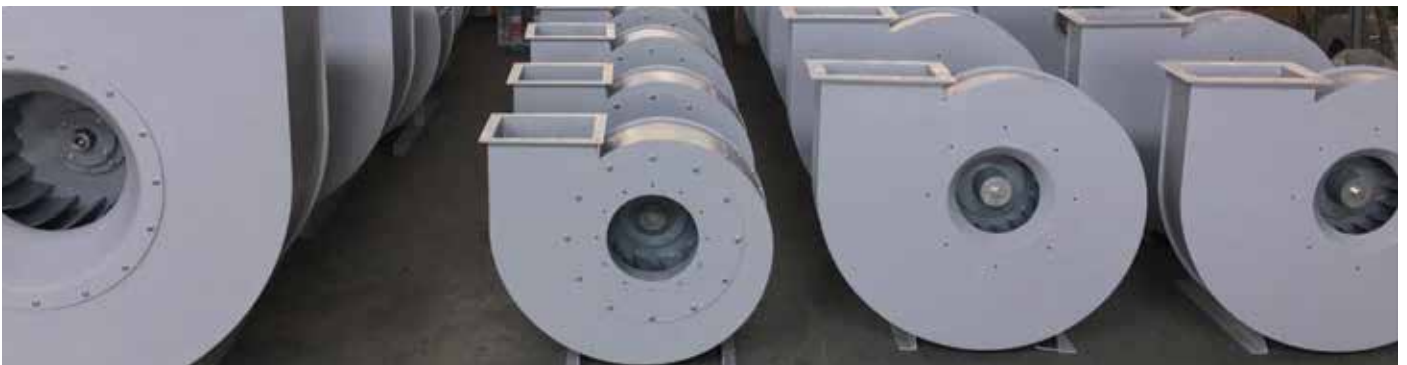
45kW High Efficiency Centrifugal Fan



Quality Inspection before testing



3 x 75kW High Efficiency Centrifugal Fan installed on a large dust collection project in Sydney



A group of 4, 7.5, 11, 15, 18.5, 22 & 30 kW fans in stock in our Sydney Factory



110kW High Efficiency Centrifugal Fan



30kW High Efficiency Centrifugal Fan



37kW High Efficiency Centrifugal Fan



22.5kW and a 15kW Fan



# FANS & BLOWERS

## CBS range of Fans

We carry ex-stock in our three state branches the CBS models of quality, high efficiency centrifugal fans that produce higher airflows at a lower pressure.

We carry four sizes ex-stock in our three branches

CBS 200 0.75 kW 1500m<sup>3</sup>/h @ 1500 Pa

CBS 315 2.2 kW 3000 m<sup>3</sup>/h @ 1500 Pa

CBS 355 3kW 6000 m<sup>3</sup>/h @ 1500 Pa

CBS 400 4kW 9000 m<sup>3</sup>/h @ 1500 Pa

The CBS fan range are perfectly matched with our Ezi-Duct range of fume arms. Performance data curves on all fans are available on request.



CBS 200



CBS 315



CBS 315



CBS 355



CBS 400



CBS 400



Stainless steel fans available to be ordered upon special request.

## Roots High Pressure Vacuum Pumps, Side Channel Blowers, Medium and High Pressure Centrifugal Fans and Axial Flow Fans.

Ezi-Duct also supplies on request Roots High Pressure Vacuum Pumps, Side Channel Blowers, Medium and High Pressure Centrifugal Fans and Axial Flow fans. We can also produce all our range of fans in stainless steel construction. Detailed performance information is available on request.



EXE 132 kW Roots high-pressure vacuum pump used in a High Vac project in NSW pharmaceutical plant



EXE Axial Flow Fan used on a spray booth project



Medium pressure Centrifugal Fan



Side Channel Blower perfect for small to medium High Vac Systems

# MODULAR DUCTING

## Features and Benefits of Modular Ducting

Ezi-Duct ducting provides the best air flow of any duct on the market and is the natural choice for dust collection and pneumatic conveying systems as it has a smooth bore tube with pressed 90° bends.

- Companies can cut costs considerably as Ezi-Duct modular ducting is so simple, quick and easy to install
- Many of Ezi-Duct's customers do the installation in-house, without the need for outside contractors

- Dust collection and pneumatic conveying systems can frequently block up so the advantages for using Ezi-Duct Modular Ducting product are long term. As Ezi-Duct ducting simply clamps together, the customer can easily pull the system apart for cleaning if blockage occurs
- If a company relocates premises, changes its machinery or expands, the ductwork can be disassembled and re-used again and again in different layouts
- Many of Ezi-Duct's product range is available ex-stock for immediate delivery



Straight Duct



Bends



Fittings



Clamps



Dampers



Silencers



Diverter Valve



Telescopic Duct



Weather Cowls



Inspection Door



End Cap and End Disk



Hanging Brackets



Other Products





# STRAIGHT DUCTING

Ezi-Duct Straight Ducting has the smoothest bore of any ducting available on the Australian market. Ezi-Duct's smooth bore ensures the best airflow that increases your systems efficiency reducing energy costs.

The Smooth bore also reduces any likelihood of a blockage.

Ezi-Duct is very quick to install and can be pulled apart, moved and reused.

It's available in easy to handle and transport lengths of 500mm, 1000mm and 2000mm (1500mm for 500mm diameter and above). It's manufactured in Australia in all of our three factories in Melbourne, Sydney and Brisbane.

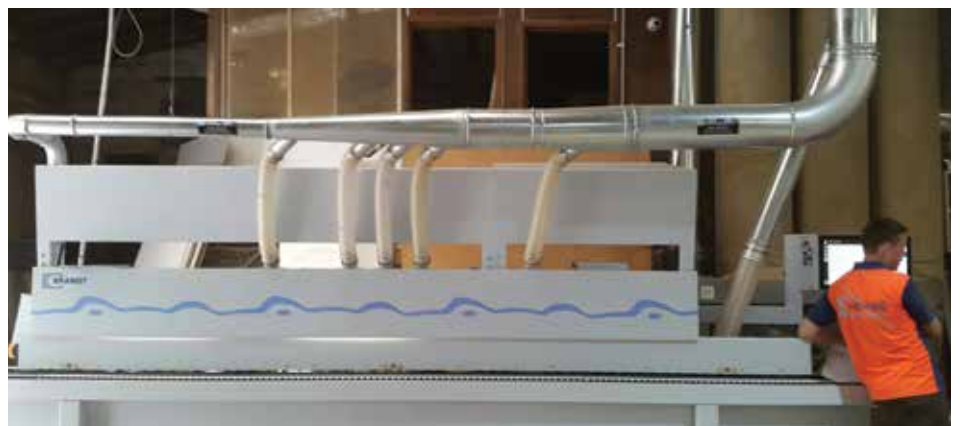


Diameter	500mm LONG	1000mm LONG	2000mm LONG
80	Y	Y	Y
100	Y	Y	Y
120	Y	Y	Y
125	Y	Y	Y
140	Y	Y	Y
150	Y	Y	Y
160	Y	Y	Y
180	Y	Y	Y
200	Y	Y	Y
250	Y	Y	Y
275	Y	Y	Y
300	Y	Y	Y
350	Available upon request		
400	Available upon request		
450	Available upon request		
500	Available upon request *		
550	Available upon request *		
600	Available upon request *		
650	Available upon request *		
700	Available upon request *		
750 & Above	Available upon request *		
* Longest length ducting is 1500mm			



# BENDS

Ezi-Duct manufactures a large and varied range of bends in galvanised, mild and stainless steels. We carry ex-stock galvanised bends in angles of 90° 60°, 45°, 30°, 15°, 7.5°. To provide the best airflow Ezi-Duct Standard Bends are 1.5m in diameter. C.L.R. of smooth pressed construction from 80mm to 300mm radiums/diameter. From 350mm upwards, the bends are 7 section lobster back "Gore lock" construction of 1.5D C.L.R. Ezi-Duct can manufacture custom bends in any radius required upon request in all our 3 Factories/Branches in Melbourne, Sydney and Brisbane.





# FITTINGS

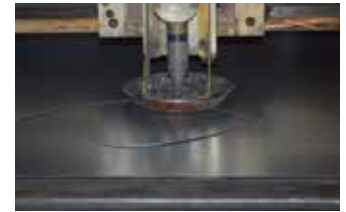
All Ezi-Duct fittings are designed and manufactured using the latest computer controlled design and cutting equipment. This ensures that all our fittings are extremely accurate and of the highest quality.

Standard Fittings are manufactured from a minimum of 0.8mm galvanised steel.

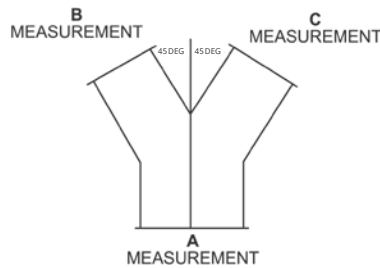
All fittings come standard with Ezi-Duct ends for quick assembly using Ezi-Duct clamps.

On all Branch Pieces, Y Pieces and Manifolds the take off angle comes standard @ 45° for optimal airflow.

Ezi-Duct can manufacture fittings in galvanised, mild or stainless steel and in whatever material thickness is required. When ordering a fitting please quote the A, B & C measurements and lengths. (If required)



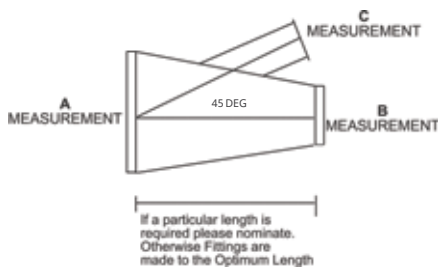
## Y Pieces



## Square to Round transitions



## Branch Pieces



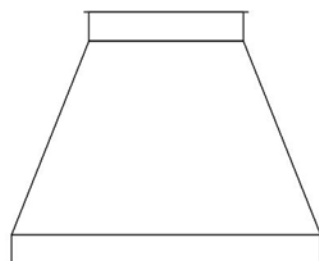
## Manifolds



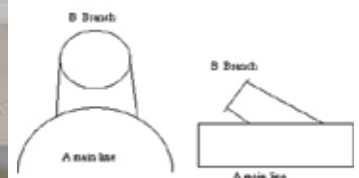
## Double Branch pieces



## Reducing Cone



## Duct Entry



# DAMPERS

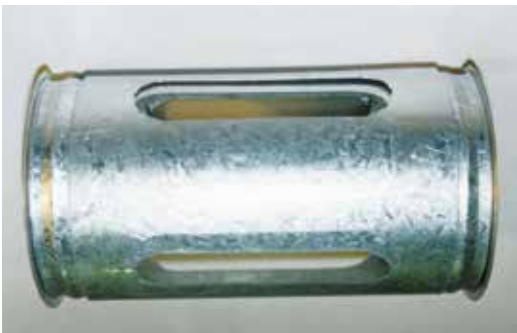
Ezi-Duct manufactures a large range of Dampers to suit every application.

They are supplied in galvanised, mild or stainless steel and many are AVAILABLE EX-STOCK.

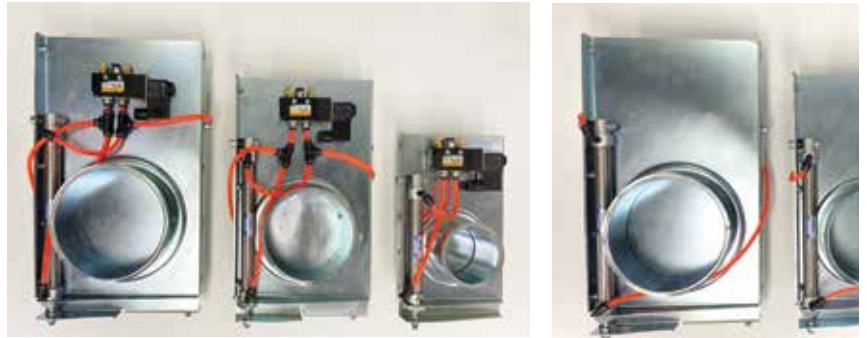
Dampers can be fitted with pneumatic or electric actuators for automatic operation.

All Dampers come standard with Ezi-Duct ends for quick assembly using Ezi-Duct Clamps.

## Air Vent



## Pneumatic Slide Damper



## Slide Damper Electric



## Sealed Slide Damper



## Butterfly Damper



## Overhead Damper



## Rose End





# DUCTING CLAMPS, HOSE CLAMPS & HANGERS

Ezi-Duct has a range of ducting clamps that make installing a ducting system EZI. Ezi-Duct's ducting clamps cut down installation time by 50% on conventional ducting systems. If a blockage occurs or you change your ducting layout or move to another building you can simply pull your ducting apart and reuse it again. We also provide several options for hanging your ducting systems with Hanging Brackets, Brooker Rod or Wire and Clutches. All are carried ex-stock in our three branches.

## Lever Clamp



Designed for ultra quick installation and removal. Lever clamps has adjustable tension and high quality rubber insert. Also available with an adjustable latch.

## Flexible Hose Clamp



Our hose clamps are made from high quality stainless steel for strength and ease of installation. They can be pulled down and reused.

## Slim Clamp



The slim clamp comes in two ½ sections, joined together with 2 bolts.

## Hanging Brackets Clevis



Clevis are used when using brooker rod to hang the duct. Wall mounts to suit hanging brackets.

*Wire and clutches are a simple and economical way to hang your ducting system.*

## Wide Clamp



Our best selling clamps. The wide clamp comes in a single robust 50mm wide strap with a swage down the centre, secured with a single bolt.



Ezi-Duct manufactures it's ducting in Australia from Australian steel and supplies a huge range of ducting and ducting clamps in galvanised stainless steel and mild steel. Ezi-Duct has decades of industry experience as well as involvement in Apprenticeships Incentives Program to help train workers with valuable skills.

# OTHER PRODUCTS

## Floor Sweeps



Floor Sweeps make cleaning your workshop an easy task. Simply lift the door then sweep the dust into the floor sweep.

They are available in diameters of 90mm to 200mm. Other styles can be manufactured on request.

## Lathe Hood Kits



Perfect for wood lathes. Ezi-Duct Lathe Hood Kits are adjustable from side to side, up and down from front to back. The oval shape hood can be turned 90° when working on bowls or can be removed all together. They come in two standard sizes for long and short bed lathes.

## Weld Ends



Weld Ends are 50mm long section of Duct with an Ezi-Duct end one end and a raw edge the other end. They are manufactured from 2mm Steel and are useful for machine connections at the start or end of a ducting run. They are available in all diameters.

## Inspection Doors



Inspection Doors are supplied in kit form for on site installation or can be fitted by us in any section of duct you request.

## Specialty Hoods

Ezi-Duct can manufacture hoods for any application in any size or material required by our customers.



## Telescopic Ducts



Telescopic Ducts are adjustable lengths of duct that eliminate the need for cutting when installing your ducting system. They enable you to vary the length of duct from 50mm to 400mm.



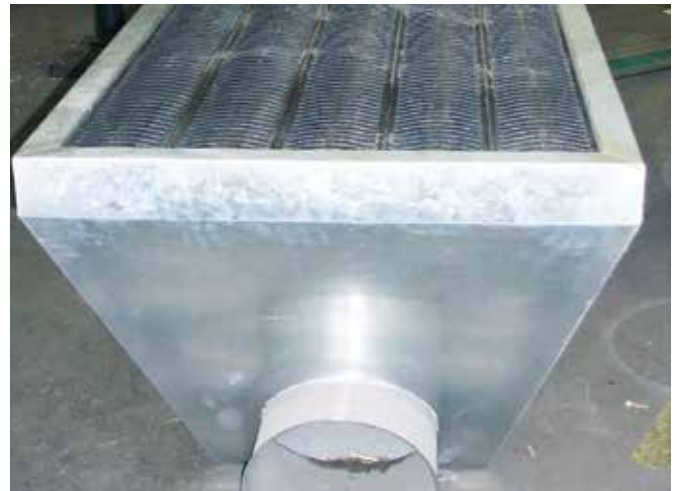
# OTHER PRODUCTS

## Silencers



To reduce noise levels, Ezi-Duct manufactures a large range of duct silencers. They are available in all diameters and come in standard lengths of 1000mm. Delivered standard with Ezi-Duct Ends for quick installation with Ezi-Duct Clamps. Ezi-Duct also manufactures silencers in stainless steel, heavy gauge material, square or rectangular sizes and acoustic enclosures.

## Suction Bench



Suction Benches are an ideal way to reduce airborne dust in sanding and grinding application. Ezi-Duct manufactures a range of Suction Benches in various styles and sizes to suit your application.

## Discharge Weather Cowls, Stacks & Jet caps

Ezi-Duct manufactures a large range of Weather Cowls, Vertical Discharge Stacks and Jet caps. Weather Cowls can be manufactured in stainless steel, heavy gauge material or in square or rectangular configurations.



Stacks with Axial flow fans & weather cowls flap type



Vertical Discharge Stacks



Jet cap



Weather Cowl Flap Type



Weather Hat

## Diverter Valves

Diverter valves are designed to change the direction of air flow when conveying materials pneumatically. They are available in all diameters in Branch or "Y" configurations and the take off angle can be varied to suit your application. (Standard is 30°)

They can be manufactured in stainless steel, heavy gauge material, and in square or rectangular styles. Diverter valves can be fitted with pneumatic or electric actuators for automatic operation.



# FLEXIBLE DUCTING

Ezi-Duct now offers one of the largest range of flexible ducting on the market. We carry products from the highest quality wear resistant polyurethane flexible ducting to economical priced PVC products. Most products are carried ex-stock in our three branches for immediate delivery. Sizes available ex-stock 40, 52, 63, 76, 82, 103, 127, 140, 152, 160, 203, 254, 305, 356, 406. Other sizes available on special request. Please note that PUR-M, AIRDUC 356 & Metalflex are special order flex only.



PUAS-M



PU CNC



PUR-M



AIRDUCT 350



AIRDUCT 355



AIRDUCT 356



PVCC



VENTFLEX



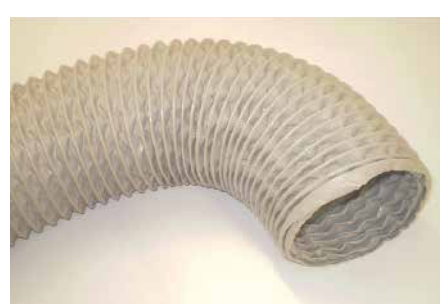
EXTRACTION FLEX



HOSE REEL FLEX (HRF) (200°C)



METAL FLEX



FLAME RETARDANT FLEX (FRF) (100°C)



TPRD (125°C-150°C)



HIGH TEMP FLEX (HITEMP) (400°C)



CP HITEX 483 (650°C)



# FLEXIBLE DUCTING

## Ezi-Flex PUAS-M

The Ezi-Flex PUAS-M is an anti static flexible ducting that is very flexible, reasonably smooth bore and is also hard wearing and abrasive resistant.

### Applications

- Flexible hose/ ducting for gases and for abrasive
- Dust, powder, fibres
- Printed circuit board drilling machine (PCB)
- Extraction unit, dust extraction system, filter system
- Oil mist extraction
- Extraction arm
- Chemical industry: chemical vapors, vapor return
- Hose at loading arm, paint steam, spray mist
- Extraction
- Explosion hazard area
- Textile industry, fiber extraction: spinning machine
- Knitting machine, weaving loom machine



## Ezi-Flex PU-CNC

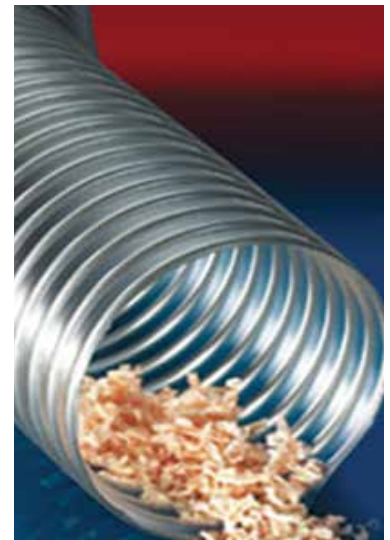
The Ezi-Flex CNC-PU 532 is a flexible ducting specifically designed for modern high speed CNC point to point machines that is very flexible and smooth bore for better airflow.

Ezi-Flex CNC-PU 532 is also hard wearing and abrasive resistant with

a closer helix for added strength while remaining very flexible.

### Applications

- Extraction unit, dust collection systems, filter system
- Oil mist extraction
- Wood dust extraction, wood chips: furniture production
- Saw mill
- Wood dust extraction: CNC machine, CNC machining
- Center (especially for fast moving systems)
- Bellows, compensators



## Ezi-Flex Airduct 350 Heavy Duty Food Grade Transportation Flex



### Construction:

1. Fully encapsulated steel wire helix
2. Extruded tape
3. Wall thickness approx 0.9mm
4. Smooth internal profile with optimized flow properties

### Material

- Wall: special premium etherpolyurethane food grade wall complies with FDA 21 CFR 177.2600 and 178.2010
- Spiral: steel wire

### Applications:

Heavy duty abrasion-proof suction and transportation flex, especially suitable for:

- Transport of abrasive solids, such as powders, chips and granules
- Chemical, food and pharmaceutical industries where food grade flex is required
- Gaseous and liquid media

### Properties:

- Very high tensile strength and tear resistance
- Microbe and hydrolysis resistant
- Exception abrasion resistance
- Electrostatic discharge by grounding the spiral (according to ZH 1/200)

### Temperature Range:

- Approx -40°C to +90 with short periods to +125°C

Pressure ratings available upon request

# FLEXIBLE DUCTING

## Ezi-Flex Airduct 355 Extra Heavy Duty Transportation Flex



### Construction:

1. Fully encapsulated steel wire helix
2. Extruded tape
3. Wall thickness approx 1.5mm
4. Smooth internal profile with optimized flow properties

### Material:

- Wall: special premium etherpolyurethane
- Spiral: steel wire

### Applications:

Extra heavy duty abrasion-proof suction and transportation flex, especially suitable for:

- High flow-rates of abrasive solids, such as powders, chips and granules
- Industrial vacuum cleaners, granulated conveying systems, printing machines, blowers and compressors
- Gaseous and liquid media

### Properties:

- Very high tensile strength and tear resistance
- Exception abrasion resistance
- Electrostatic discharge by grounding the spiral (according to ZH 1/200)

### Temperature Range:

- Approx -40°C to +90 with short periods to +125°C

Pressure ratings available upon request

## Ezi-Flex Airduct 356 Super Heavy Duty Transportation Flex \*

### Construction:

1. Fully encapsulated steel wire helix
2. Extruded tape
3. Wall thickness approx 0.9mm
4. Smooth internal profile with optimized flow properties

### Material

- Wall: special premium polyurethane

### Applications

- High throughput of extremely abrasive bulk solids, such as stones, gravelling powders, chips and granules

- Suction vehicles: gravelling, conveying, furnace cleaning
- Explosion hazard area
- Agriculture
- Raw material conveying hose for powders, granulates, sand, quartz, gravel, shards or chips

### Properties:

- Super heavy duty
- Very high tensile strength and tear resistance
- Extremely abrasion resistance
- Vacuum and compression resistance
- Microbe resistance



### Temperature Range:

- Approx -40°C to +90 with short periods to +125°C

Pressure ratings or Food grade available upon request. Please specify when ordering

\* Please note that AIRDUC 356 is a special order flex.



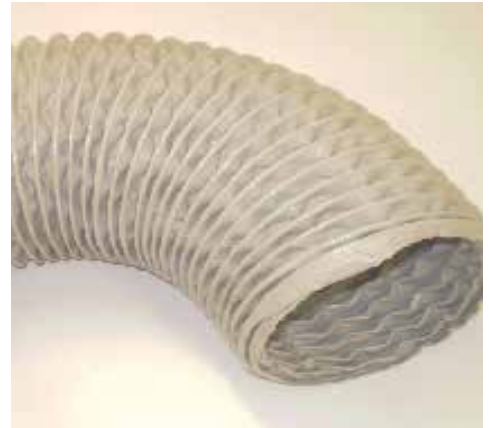
# FLEXIBLE DUCTING

## Flame Retardant Flex

A flame-retardant flexible duct suitable for the extraction of gaseous products, welding fumes and general ventilation applications.

Ezi arm flex is manufactured from a flame retardant PVC coated polyester fabric with a spring steel helix that is extremely flexible and has good compressibility. Operating temperature range -30° C to + 100°C.

Applications include the extraction of welding fumes, kitchen exhaust ventilation and extraction of lightweight dusts when dedusting.



## Flexible Hose Clamp

Our Hose Clamps are made from high quality stainless steel for strength and ease of installation. They can be pulled down and reused.



## Extraction Flex

The Eziflex Extraction Flex is a light weight flexible ducting product with a tough outer helix constructed of galvanised steel. This makes the product very robust and perfect for applications where the flexible ducting is dragged across the ground. It's suitable for the extraction or delivery of air, fumes, light dusts and other applications. Eziflex Extraction Flex it is available in the following sizes 102mm, 152mm, 203mm, 254mm, 305mm, 406mm & 508mm diameter. Other sizes are on request.



## High Temp

Ezi-Flex "Hi Temp Flex" is a very durable and flexible product that is suitable for the removal of high temperature fumes, smoke and gas from vehicles, generators, ovens, foundries and many other high temperature flexible ducting applications. Ezi-Flex "Hi Temp Flex" is constructed from a silicon coated fibreglass fabric with a galvanised steel outer helix. It has a temperature range from - 20°C to + 400°C.



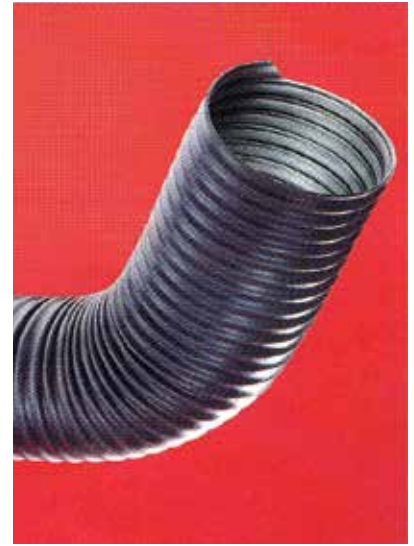
# FLEXIBLE DUCTING

## TPRD Flex

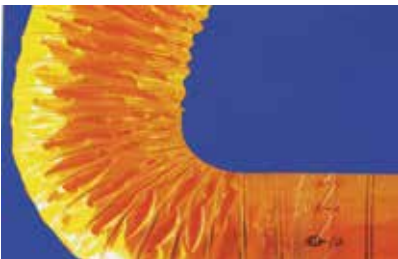
A general purpose thermoplastic rubber flexible ducting with a myriad of uses. A lightweight durable flexible ducting manufactured from a thermoplastic elastomer that has very good temperature resistance and is UV resistant and has excellent chemical resistance.

Ideal for the extraction of fumes and vapours of acids and alkalis, particularly where elevated temperatures are present. Operating temperature range -40°C to +125°C, with short bursts to +150°C.

Applications include ozone removal in printing, chemical fume extraction, agricultural uses and steam removal.



## Ventflex



Ventflex is constructed with a yellow polyethylene woven fabric. As the name "Flex" indicates, this product has a wire spinal helix which

provides flexibility and avoids kinking. The joining mechanism is the skirt connecting method consisting of eyelets and a sleeve.

## PVCC



PVCC is an ideal product for use in light to general dust and fume extraction applications. It is constructed from a tough PVC material with a spring steel

helix. Being manufactured from clear PVC, it allows operators to monitor a blockage of material. PVCC is available in 10m lengths. Temp. range 0°C to 50°C

## Hose Reel Flex (HRF)



Ezi-Duct HRF (Hose Reel Flex EDPM) is designed as an exhaust gas hose particularly applied for the suction of engine exhaust gas on vehicle exhaust hose reels. It can also be used for slotted floor channels & for above and below floor suction extraction.

The Hose Reel Flex EDPM is crush recoverable and has a temperature range of -40°C to 200°C. It's also very flexible and does not have a memory.

### Applications:

For use on Vehicle Exhaust Hose Reel, removal of vehicle exhaust, hot gas, vapours, smoke, dust, powders, fibres

### Working Temperature Range:

-40°C to 200°C. Slightly higher when correctly applied with exhaust gas supply 50% approx.

### Construction Material:

EPDM + polyamide helix with a EPDM coated fabric. The wall thickness 0.80 mm approx.

### Features:

Highly flexible, crush recoverable, good resistance to heat, tight bend radius. Fabric reinforced, no memory, lightweight, gas-tight and liquid-tight.

### Diameters:

Available from 75mm, 102mm, 152mm diameter (special sizes made on request).





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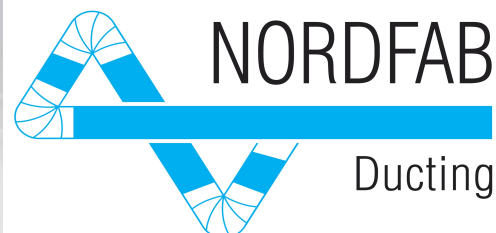


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CALL 1800 673 828



Ezi-Duct is very proud to be working in conjunction with Porex Environmental Engineering Pty Ltd in order to provide the best performing and energy efficient products. Our products are designed in Australia to meet our strict OHS and Environmental regulations.