EZI-DUCT

AUSTRALIA'S LEADER IN FUME & DUST CONTROL EQUIPMENT

Dust Collectors
Modular Ducting
Fume Arms
Spray Booths
Industrial Fans

Fume Extractors
Flexible Ducting
Electrostatic Precipitators
Vehicle Exhaust Hose Reels
Rotary Valves

www.eziduct.com.au

With Branches & Factories in Sydney, Brisbane & Melbourne

With over twenty years in the industry and thousands of happy customers Ezi-Duct together with its sister company Polex 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 operated and operates globally, we currently provide our products to Australia/ Pacific, USA, Asia and Africa.

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

Ezi-Duct works with its sister company Polex Environmental Engineering to design the world's best performing and most energy efficient Dust Collection & Fume Extraction 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 organisations requirements.

EZI To Install

EZI-DUCT

EZI On Your Budget

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

AUSTRALIAN

EZI To Install
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Ezi-Duct has the finest range of Dust Collectors on the market

- Largest Range
- Best Quality/Performance filter medium
- Most Energy Efficient
- Robust Galvanised Steel Construction
- Australian Designed & Made










Ezi-Duct & Polex Environmental Engineering, Australia's leaders in Air Filtration Equipment, have combined their many decades of experience to design and manufacture an air filter to meet the demands of the COVID-19 health crisis currently affecting the world.

The ULPA Filter is a powerful yet portable air filtration apparatus that can filter and remove 99.99% of the particulates that are 0.12 µm or more in diameter. Constructed from hygienic stainless steel material, the ULPA Filter can be easily disinfected after use.

Even with the high airflow the ULPA Filter is only 750 mm wide and can be wheeled through a standard doorway and runs on single phase power. The ULPA Filter Hi-Efficiency Fan has a powerful yet variable air flow of up to 3500 m3/h @ 1000 Pa pressure.

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 centre waiting rooms, schools or university classrooms, office environments, shops, supermarkets, age care facilities,restaurants, clubs and anywhere where people gather.

The team at Ezi-Duct and Polex Environmental Engineering have combined their decades of industry experience in designing and manufacturing to meet the demands of the health crisis affecting the world.

What

The ULPA filter is 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.

Why

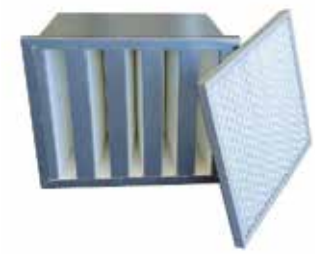
The ULPA Filter air recirculation unit has been developed in response to the international outbreak of COVID-19 virus. This unit has been specifically designed to be used inside enclosed spaces where multiple people are present. Contaminated air is efficiently extracted from within the room and is filtered through an array of ultra high efficiency filters before releasing filtered air back into the room.

How

The filters use advanced filtration media (ULPA 16) specifically designed, sized and selected to filter particles as small as 0.12 µm. Filtering such small particle sized produces high resistance which is overcome with a powerful high efficiency backward curved extraction fan.

What is the difference between HEPA and 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.



ULPA FILTER - SPECIFATIONS

Dimensions (W x L x H)	700 x 1050 x 1300 mm	Main Filter	ULPA16
Airflow	Up to 3,500 m^3/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

Warning
All servicing (including replacing filters) need to be carried out by qualified and trained personnel only.
The used filters may contain dangerous contaminants and may require special disposal methods

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.

General Hospitals	Temporary hospitals	Medical centres
Operating theatres	Patient treatment rooms	Chemists / Pharmacies
Schools and universities	Childcare centres	Retirement homes
Shopping malls	Service stations	Centrelink centres
Clubs and bars	Restaurants	Cafes
Banks	Post offices	Offices
Cinemas	Waiting rooms	Medicare centres

ULPA FILTER - CONFIGURATIONS

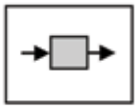
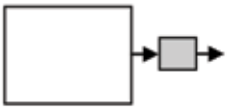
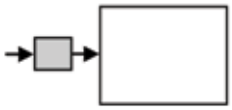
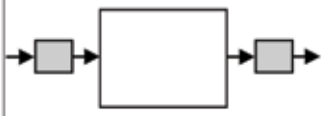
The unit can be used in many configurations.

A Recirculation unit: The ULPA filter can be used for patients with a known or suspected infection in hospital rooms with multiple beds, whether in a hospital room or in self-quarantine. The units can be kept near the patients at all times and left by their bedside while resting. This configuration can be used in many general areas such as school classrooms and restaurants.

B Negative pressure: The ULPA Filter can be used as a negative pressure isolation room for use with patients.

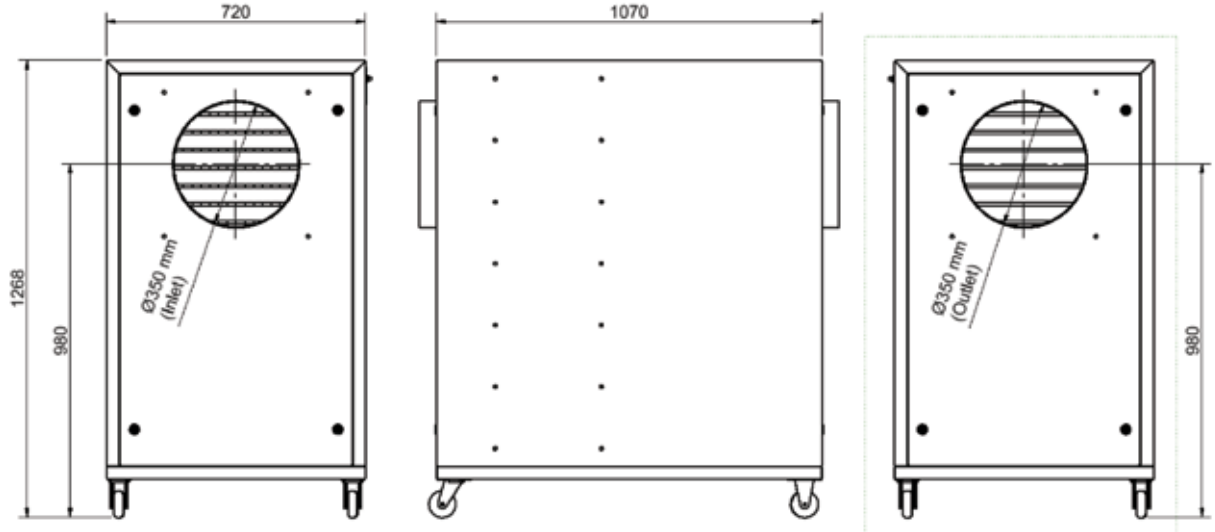
C Positive pressure clean air system: The ULPA Filter unit can be used as a positive pressure clean air recirculating system in clinics, waiting rooms, hospital emergency rooms and other confined areas for air being exhaled from patients.

D Positive and Negative: Introduce filtered air and exhaust contaminated

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)
The number of units required can be calculated by multiplying the width, length and height of the room in metres and referring to the table below

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



eCONO RANGE OF DUST COLLECTORS

Ezi-Duct is very proud to supply and manufacture the eCono range of Dust Collectors. The eCono range of Dust Collector has been designed to be

the best "economically priced" Dust Collector on the world.

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.

All the eCono Dust Collector range although budget priced are a quality unit and 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^2 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 units 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^2 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: >1500m^3/h @ >2500 Pa
Fan: 1.5kW WEG CE motor high efficiency, industrial quality
Collection capacity : 2x 200L waste collection bag or 240L wheelie bin
Filter Bags: 15 x 550g/m^2 Polyester antistatic needle felt (152 diameter x 1000mm)
Cleaning System: Vibration

Econo 4000

Air: >4000m^3/h @ >2500
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^2 polyester antistatic needle felt (152 diameter x 1000 mm)
Cleaning System: Vibration

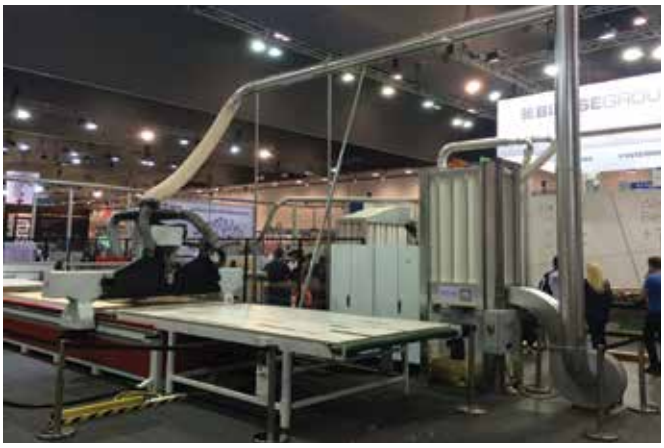
The eCono 3000 4000 is a powerful yet budget price dust collector with a vibration filter bag cleaning system.

The eCono 3000/4000 have15 top quality 550g/m^2 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 fan is a powerful heavy duty, high efficiency “industrial quality” fan fitted with a WEG CE 3 phase electric motor.

Perfect for a CNC machine or a small to medium workshop



Econo 6000 C

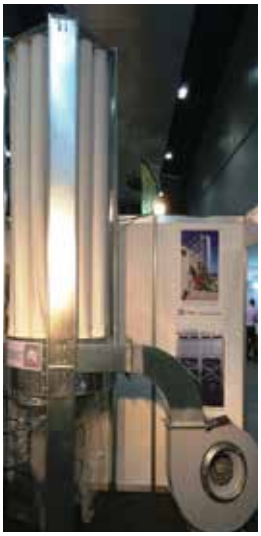
Air: 6000 + m^3/h @ 2750 Pa
Fan: 7.5kW WEG CE motor high efficiency, industrial quality
Collection capacity : 2 x 200L waste collection bag or 240L wheelie bin
Filter Bags: 25 x 550g/m^2 polyester antistatic needle felt.
Cleaning System: Vibration

The eCono 6000C is a powerful yet budget price dust collector with a cyclonic and vibration filter bag cleaning system.

The eCono 6000C Cyclonic design separates the dust particles from the airstream and directs them into the waste bags or bin. It also has twenty top quality 550g/m^2 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 fan is a powerful heavy duty, high efficiency industrial quality fan fitted with a WEG CE 3 phase electric motor.



Perfect for 2 X CNC machine or a medium workshop

Econo 6000

Air: >6000m³/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/m² polyester antistatic needle felt.
Cleaning System: Vibration

Perfect for 2 X CNC machine or a medium workshop

Econo 8000

Air: >8000m³/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/m² 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/m² 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 more waste.

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 HRV (Hopper, Rotary Valve)

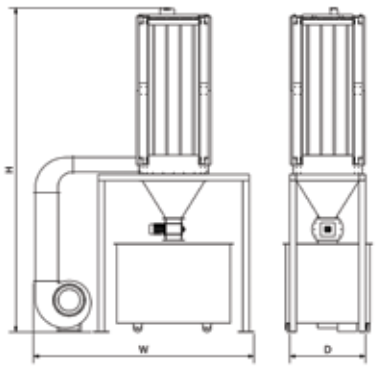
The eCono HRV series are eCono dust collection units supplied on a steel stand and dust is automatically deposited into a 3m^3 waste bin.

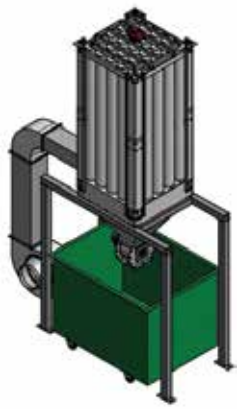
Its supplied with a hopper and rotary valve, so all the waste is directly deposited into a 3m^3 waste bin. A huge bonus is the Dust Collector waste bin can be changed/emptied while the unit is still running. This eliminates the need to stop production that equates to large savings in labour costs.

Perfect if your factory generates more waste

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 15000 SHRV

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.

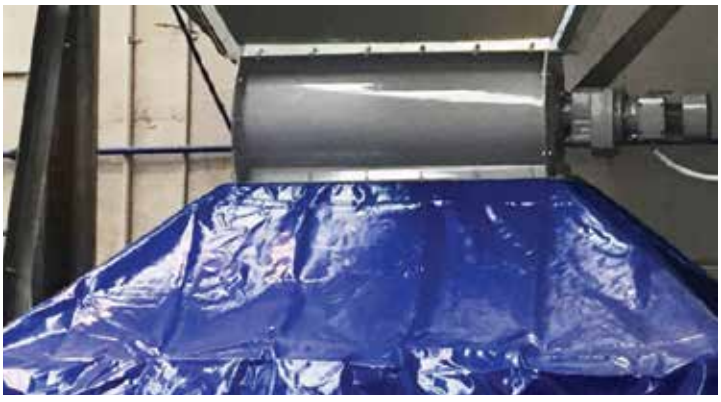
High Performance
Unmatched performance for energy consumed from our modern high efficiency fan, producing powerful suction of 15000m³/h @ 2800 Pa.

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.

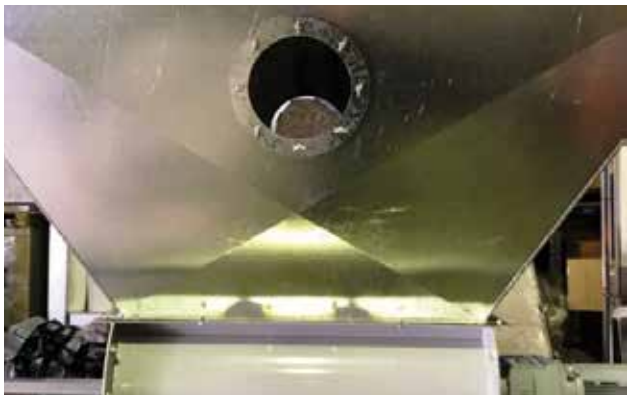
Energy Saving Features
Ezi-Duct supplies the latest generation ***Variable Speed Drives*** together with a ***pressure transducer*** that will sense changes in the airflow required in the main duct and automatically decreases the fan power when machines connected to the system are not being used.

Filters
50 x Top Quality 550 GSM Anti Static needle felt, snap lock, leak proof Filter Bags. Others companies use lower quality filters of 400 GSM or less.

Rotary Valve
The rotary valve directly deposits waste into a 3m³ 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)



Removalbe Inspection window built into the hopper

eCOMPACT RANGE OF DUST COLLECTORS

The eCompact (Compact Dust Collector) are a series of compact, yet powerful and versatile dust collectors that can easily be dissasembled 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 collector and are commonly used in high schools and TAFE colleges in the woodworking rooms for the saw dust collection systems.

All the eCompact range 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 its 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^2 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 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 deliver. Three models of the eCompact Dust Collector are available.

eCompact 3000

Air: >3000m^3/h @ >3000Pa
Fan: 5.5kW WEG CE motor high efficiency, industrial quality
Collection capacity : 1 x 90L waste collection bag or 240L wheelie bin
Filters: 15 x 550g/m^2 polyester antistatic needle felt.
Cleaning System: Vibration
Dimensions (Wheelie bin): 1150mmx800mmx3400mm
Dimensions (Steel collection bin): 1150mmx800mmx2750mm

eCompact 6000

Air: >3000m³/h @ >3000Pa
Fan: 7.5kW WEG CE motor high efficiency, industrial quality
Collection capacity : 2 x 90L waste collection bag or 240L wheelie bin
Filters: 15 x 550g/m² polyester antistatic needle felt.
Cleaning System: Vibration
Dimensions (Wheelie bin): 1580mmx970mmx3400mm
Dimensions (Steel collection bin): 1580mmx970mmx2750mm

eCompact 12000

eCompact 9000

Air: >9000m³/h @ >3000Pa
Fan: 15.0kW WEG CE motor high efficiency, industrial quality
Collection capacity : 2 x 90L waste collection bag or 240L wheelie bin
Filters: 15 x 550g/m² Polyester antistatic needle felt.
Cleaning System: Vibration
Dimensions (Wheelie bin): 2325mmx1470mmx3742mm
Dimensions (Steel collection bin): 2250mmx1370mmx3150mm

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 Polex 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.

All the MDC range are 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 Vales (air lock valves) than enable customers to empty or change the units 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 are dust collectors with filter bags automatically cleaned by vibration/shaker system whenever the unit is turned off
- MDC P are dust collectors with filter bags automatically cleaned continuously by compressed air/reverse pulse system.
- MDC PC are dust collectors wit filter cartridges automatically cleaned continuously by compressed air/reverse pulse system.

The MDC models offer a capacity range from 4000m^3/h to over 100,000m^3/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 fans impeller.
- The modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations).

A VSD or variable speed drive

A VSD or variable speed drive can also be fitted into the control panel supplied with every MDC model dust collector unit. The VSD is controlled by a pressure transducer fitted in the systems ducting that signals the VSD to automatically lower the power consumption of the fan when machines connected to the dust collection system are shut off. This helps ensure MDC dust collection units are very energy efficient.

MDC S RANGE OF DUST COLLECTORS

The MDC S (or 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 $3m^3$ bin. This great feature enables customers to empty or change the units 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 ie: wood chips and blocks or other solid items may cause damage to fans impeller.
- The Modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations).

Air: >6000 m3/h @ >3000pA to >36000 m^3/h @ >3000pA
Fan: 7.5kW - 45kW WEG CE motor high efficiency, industrial **quality**
Collection capacity : one or two Rotary Airlock Valves feeding directly into one or two $3m^3$ waste bins
Filter Bags: 25 - 150 x $550g/m^2$ polyester antistatic needle felt.
Cleaning System: Vibration
Dimensions: depends on model (see data sheet)
Weight : depends on model (see data sheet)

MDC P RANGE OF DUST COLLECTORS

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

The MDC P (or 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 Collectors many top quality filter bags are continuously and automatically cleaned while the unit is operating using a pulse of compressed air. The 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 $3m^3$ bin. This great feature enables customers to empty or change the units 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 ie: wood chips and blocks or other solid items that cause damage to the fans impeller.
- The Modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations)

Air: >6000m^3/h @ >3500pA to 100,000m^3/h @ >3500Pa
Fan: 7.5kW - 150kW WEG CE motor high efficiency, industrial quality
Collection capacity : One to four Rotary Airlock Valves feeding directly into one to four $3m^3$ waste bins
Filter Bags: 25 - 600 x 550g/m^2 polyester antistatic needle felt.
Cleaning System: fully automatic reverse pulse
Dimensions: depends on model (see data sheet)
Weight : depends on model (see data sheet)

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

The MDC P (or 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 Collectors many top quality filter bags are continuously and automatically cleaned while the unit is operating using a pulse of compressed air. The ensures the dust collector is running at maximum efficiency at all times.
MDC P dust collectors are fitted with Rotary Valves (air lock valves) that feed waste directly into a 3m^3 bin. This great feature enables customers to empty or change the units 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 ie: wood chips & blocks or other solid items may cause damage to fans impeller.
- The Modular design of the MDC Dust Collector enables additional modules to be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations)

Air: >6000 m^3/h @ 3500 Pa to >100,000 m^3/h @ 3500 Pa
Fan: 7.5kW - 150kW WEG CE motor High efficiency, Industrial quality
Collection capacity : One to Four Rotary Airlock Valves feeding directly into one to four 3m^3 waste bins
Filter Bags: 25 - 600 x 550g/m^2 Polyester antistatic needle felt.
Cleaning System: fully automatic reverse pulse
Dimensions: depends on model (see data sheet)
Weight : depends on model (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 or other fumes and smoke,
- Airborne dust,
- Odour control
- and many more applications.

All eMission control models have a series of three filters

- A spark filter 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 Polex 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 catridges 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^3/h
- Automatic reverse-pulse cleaning (manual on EMC 1500)
- Spark filter
- 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
- Weatherprooof
- 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 $1500m^3/h$ @ 1500Pa. It has three filters, a pre "spark filter" to help stop sparks from getting into the machine. A main 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 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 2500m³/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, 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 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 4000m³/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 ensures 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 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 Polex Environmental Engineering & Ezi-Duct won in a Global tender to supply the world's best performing air filtration equipment for large international company's new pipe laying ship (the worlds 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 specifiying the eMission Control for their next ship currently under construction.

ELECTROSTATIC PRECIPTATOR (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 impending the flow of gasses through the unit.

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

In contrast to using a wet scrubber which apply 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^3/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^3/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 Vehicle Exhaust Hose Reels 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 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 units 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^3/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 0.80mm approx. It has a temperature range for exhaust gas temperatures to up to 190^0 C (220^0C for a short time) when correctly applied with exhaust gas funnels and suficient fresh air supply 50% approximately.

The Ezi-Duct Vehicle Exhaust Hose Reels are available in two models fitted wth 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

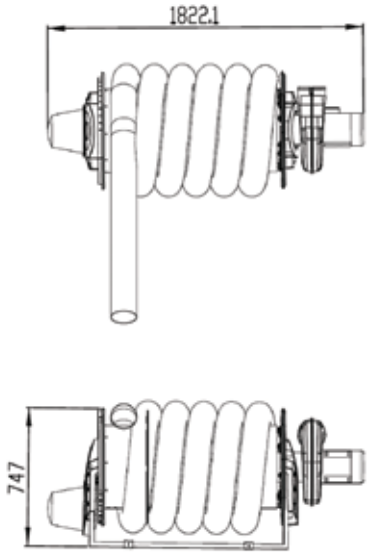
102mm dia nozzle

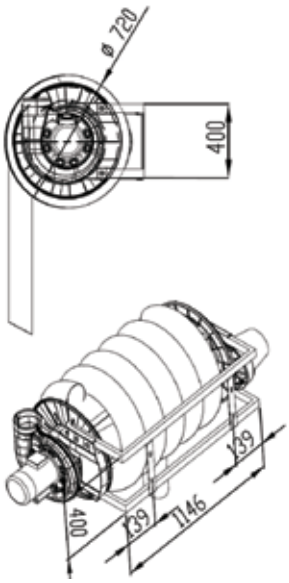
High efficiency fan

150mm dia nozzle

VEHRE 100mm

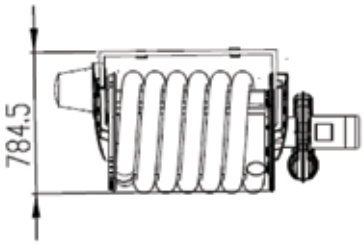
102mm dia. x 10 mtrs of hose and fan fitted.

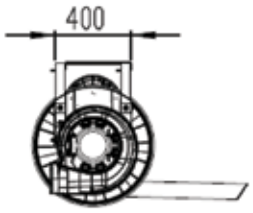


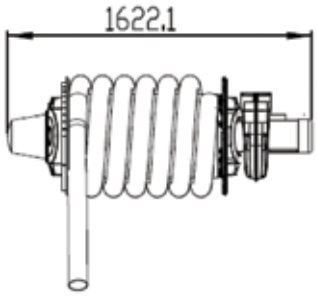


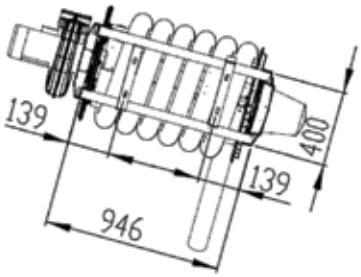
VEHRE 150mm

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









SPRAY BOOTH

Ezi-Duct supplies a range of both Wet & Dry Spray Booths for industrial painting applications. Alternatively we can manufacture spray booths to customers requirements on request, All our spray booths meet the Australian Standards governing spray booth design AS4114. Please contact our local office for more information.

Dry Spray Booths

2 Layers of filtration comprising of convoluted cardboard filter with a secondary filter of coslencing air medium.

	DSB3000	DSB4500	DSB6000
Filter screen width	3000mm	4500mm	6000mm
Max fan capacity	18000m³/h	18000m³/h	2x18000m³/h
Fan Motor	3kW exe 3 phase	4600x1600x2650	6100X1600X2650
Weight	950kg	1200kg	1500kg

Wet Spray Booths

	WSB2500	WSB4500	WSB6000
Filter screen width	3000mm	4500mm	6000mm
Max fan capacity	18000m³/h	18000m³/h	2x18000m³/h
Fan Motor	3kW exe 3 phase	4600x1600x2650	6100X1600X2650
Weight	950kg	1200kg	1500kg

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

Preperation 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 is always operating at its most productive and fastest
possible levels. We will spend time with our clients and design your preparation Areas that will not only meet but will exceed their requirements and expectations.

Ezi-Duct supply the Polex 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 90º 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 Sytems

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 andindustrial 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.

Ezi Arm Fume Arms

The Ezi-Duct EziArm 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 EziArm 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 EziArms are carried ex-stock in Ezi-Duct's three branches. The EziArm can rotate 360^0 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 EziArms connect together by Ezi-Duct modular ducting to one of our Ezi-Duct powerful centrifugal fans




Ezi Flex Fume Arms

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

It is constructed with an internal three stage mechanism and flame retardent 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 is160mm 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 Retardent 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 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 a 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.

Laboratory Fume/Dust Extraction Arm (EAL)

The Laboratory Fume/Dust Extraction Arm(EAL) is perfect small articulated suction arm constructed from strong corrosion resistant PVC. The unit is fitted with a clear plastic, see through hood. Its 76mm diameter and is around 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.

Ezi Flex Fume Arm Stainless Steel

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 mage 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 (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.

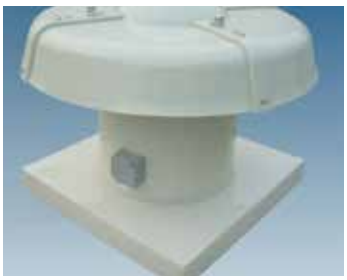
Filter Bags & Cartridges

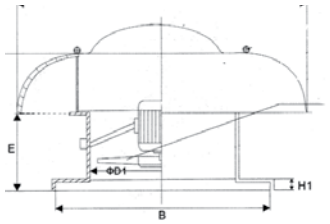
Save time and money when you need to replace your dust collectors or fume extractors replacement filter bags and or filter cartridges.
Ezi-Duct can supply you with replacement filter bags and filter cartridges at the most competitive rates on the market. Ask your Ezi-Duct sales person for prices on products that will suit your requirements.

Rotary Separator

Ezi-Duct manufactures and supplies the Polex designed rotary separate 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.

Roof Ventillator





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

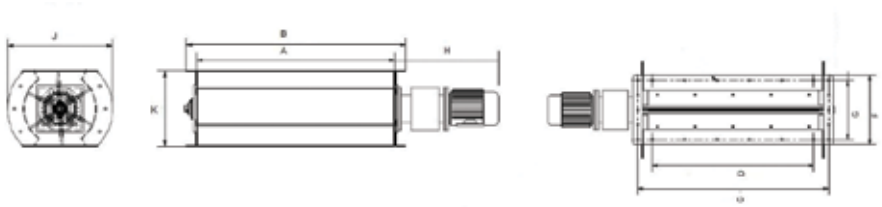
Rotary valves are used for wood dust and shavings, paper, animal feed and cereals, plastics and many other free flowing products

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	20m³/hr
R.V.500	40m³/hr
R.V.925	60m³/hr
R.V.5000	90m³/hr



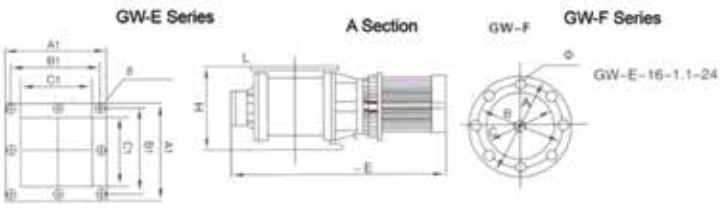
Rotary Valves	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm
R.V.250	250	350	300	2 x 150	11Ø	300	2 x 150	460	490	350
R.V.500	500	350	300	1x200(+)2x175	11Ø	300	2 x 150	460	490	350
R.V.925	925	1025	975	5 x 165	11Ø	300	4 x 75	460	490	350
R.V.5000	500	590	560	4x140	11Ø	560	4 x 140	460	860	600

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.

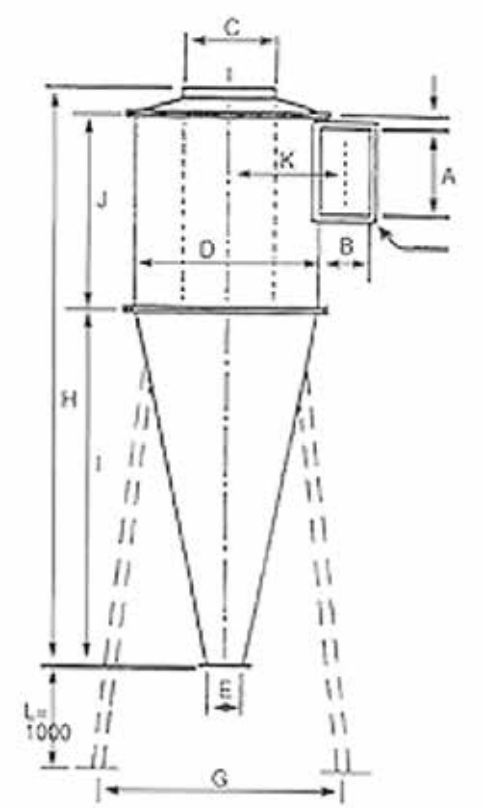


Model	Volume per round (L/ round)	Motor power (kW)	Valve speed (rpm)	Working temp (oC)	Dimensions (mm)								
					A	B	C	A1	B1	C1	H	E	Flange hole diameter
RV2	2	0.55	24	<300	240	200	150	240 x 240	200	150 x 150	240	~680	9
RV4	4	0.55	24	<300	280	240	180	280 x 280	230	180 x 180	280	720	11
RV6	6	0.75	24	<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^3/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

Ezi-Duct carries EX-STOCK and produces to requirements a large range of industrial quality, high efficiency centrifugal fans, side chanel & 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

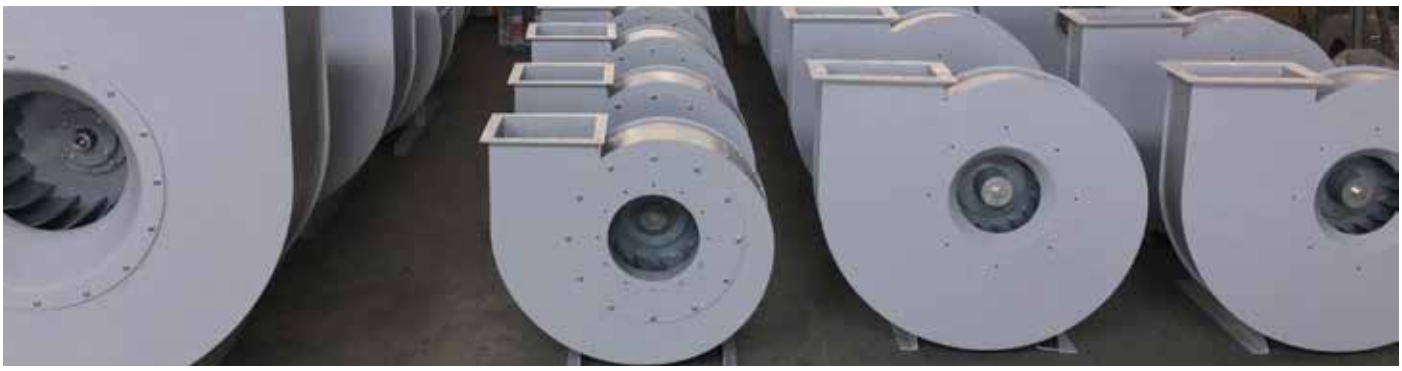
We carry ex-stock in our three state branches the TF range of Industrial quality, high efficiency centrifugal fans. TF 0.75kW, 1.5kW, 3kW, 4kW, 7.5kW, 11kW, 15kW, 18.5kW, 22kW, 30kW, 45kW.

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

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 1500m³/h @ 1500 pA
CBS 315 1.5 kW 3000 m³/h @ 1500 pA
CBS 355 3kW 6000 m³/h @ 1500 pA
CBS 400 4kW 9000 m³/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 355

CBS 400

CBS 400

CBS 315

CBS 315

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 are prefect for a small to medium High Vac System

Features and Benefits of Ezi-Duct 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 90^0 bends.

- Companies can cut costs considerably as Ezi-Duct modular ducting is so simple, quick and easy to install.
- Many of Ezi-Ducts customers do the installation in-house, without the need for outside contractors.
- Dust collection and pneumatic conveying systems can frequently block up so the advangates for using Ezi-Duct Modular Ducting product is 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 it's machinery or expands, the ductwork can be disassembled and re-use again and again in different layouts.
- Many of Ezi-Duct's product range is available ex-stock for immediately 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-Ducts smooth bore ensures the best airflow that increases your systems efficiency reducing energy costs

The Smooth bore also reduces any likelihood of a blockage.

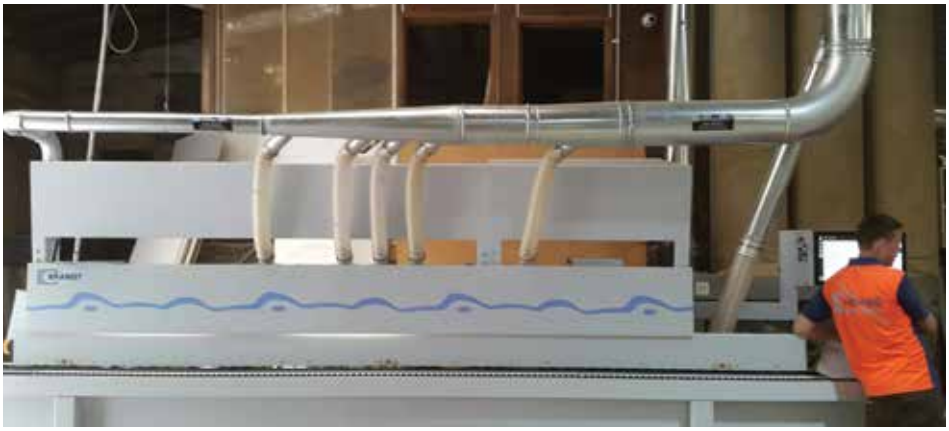
Ezi-Duct is very quick to install and can be pulled apart, moved and reused.

Its available in easy to handle and transport lengths of 500mm, 1000mm and 2000mm (1500mm for 500mm diameter and above). Its 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	Available upon request		
125	Y	Y	Y
140	Y	Y	Y
150	Y	Y	Y
160	Y	Y	Y
180	Y	Y	Y
200	Y	Y	Y
220	Available upon request		
225	Y	Y	Y
250	Y	Y	Y
275	Y	Y	Y
300	Y	Y	Y
350	Y	Y	Y
400	Y	Y	Y
450	Y	Y	Y
500	Y	Y	*
550	Y	Y	*
600	Y	Y	*
650	Available upon request		
700	Available upon request		
750 & Above	Available upon request		

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 90º 60º, 45º, 30º, 15º, 7.5º. To provide the best airflow Ezi-Duct Standard Bends are 1.5m in diameter. C.L.R. of smooth pressed construction from 80mm to 400mm diameter. From 350mm to 450mm are 7 section lobster back “Girlock” 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

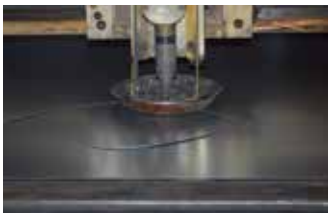
All Ezi-Duct fittings are designed and manufactured using the latest computer controlled design and cutting equipment. This ensures that all our fittings are extremely accurate and of the highest quality.

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

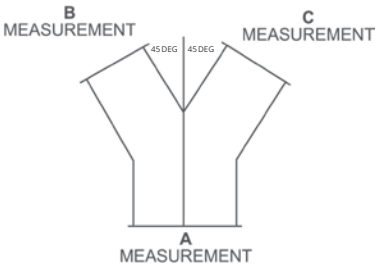
All fittings come standard with Ezi-Duct ends for quick assembly using Ezi-Duct clamps.

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)

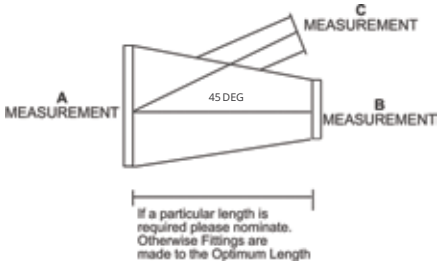


Y Pieces



Square to Round transitions

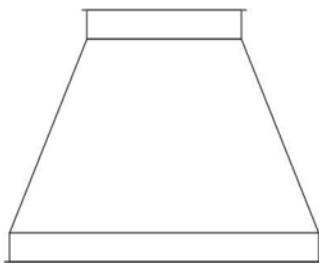
Branch Pieces



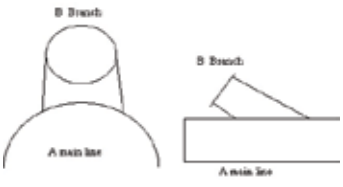
Manifolds

Double Branch pieces

Reducing Cone



Duct Entry



DAMPERS

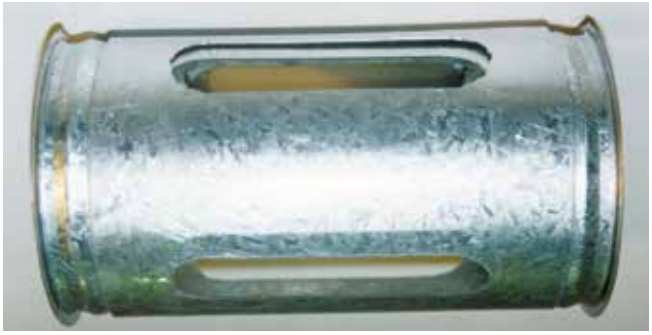
Ezi-Duct manufactures a large range of Dampers to suit every applications.

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

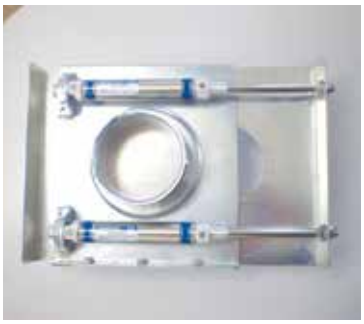
Dampers can be fitted with pneumatic or electric actuators for automatic operation.

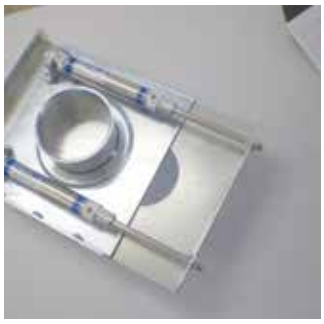
All Dampers come standard with Ezi-Duct ends for quick assembly using Ezi-Duct Clamps.

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 occur 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, Broker Rod or Wire and Clutches. All is carried ex-stock in our three branches.

Lever Clamp


Designed for ultra quick installaion and removal. Lever has adjustable tension and high quality rubber insert. Also available in 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


Our biggest selling clamp. It comes in two 1/2 sections with pozi-drive nuts and 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 biggest selling Clamp. Comes in 2 x 1/2 sections with pozi-drive nuts and bolts.

AUSTRALIAN®

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.

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 90^0 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 installtion 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.

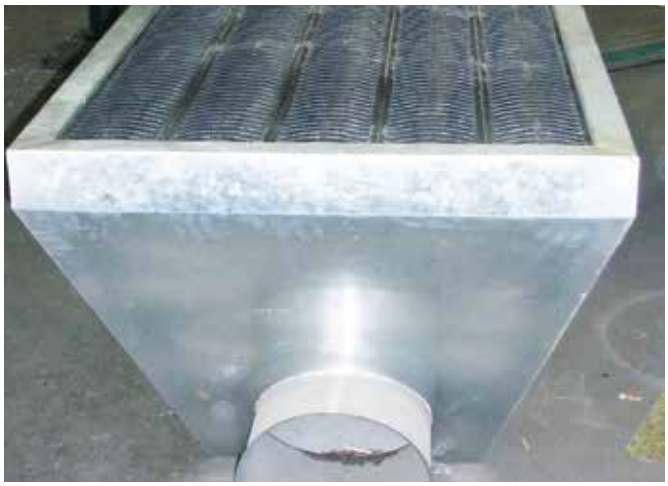
Telescopic Ducts

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.

Silencers

To reduce noise levels, Ezi-Duct manufactures a large range of duct silencers. They are available in all diameters and come in standard length 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 30^0)

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, 180, 203, 254, 305, 356, 406. Other sizes available on special request.

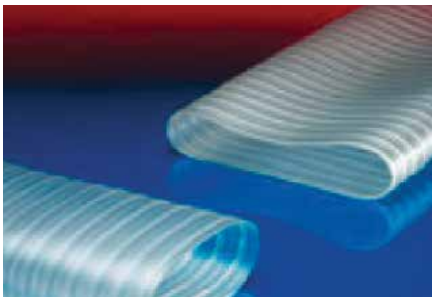
PUR-M

CNC-PU 532

PUAS-M

AIRDUCT 355

AIRDUCT 350



SPECIAL HOSE PUR 335 MHF

VENTFLEX

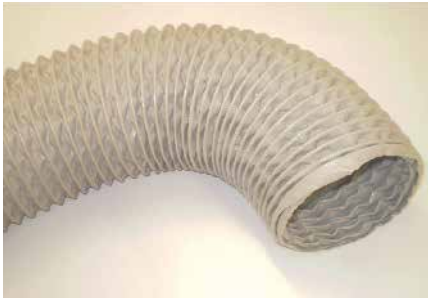
PVCC

TPRD

HIGH TEMP FLEX (HITEMP)

METAL FLEX

EXTRACTION FLEX



FLAME RETARDANT FLEX (FRF)

HOSE REEL FLEX (HRF)

CP HITEX 483

EZIFLEX 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

EZIFLEX 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

Eziflex CNC-PU 532

The Eziflex 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.

Eziflex 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,
- Waw mill
- Wood dust extraction: CNC machine, CNC machining
- Center (especially for fast moving systems)
- Bellows, compensators

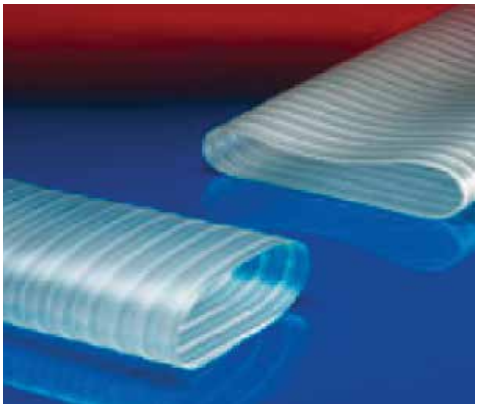
Eziflex PUAS-M

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

Applications

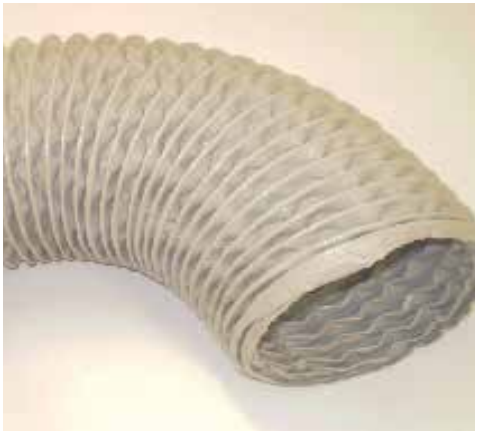
- Flexible hose/ ducting for gases and for abrasive
- Dust, powder, fibres
- Printed circuit board drilling machine (PCB)
- Extraction unit, dust extraction system, filter system,
- Oil mist extraction
- Extraction arm
- Chemical industry: chemical vapors, vapor return
- Hose at loading arm, paint steam,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

Special Hose PUR 335 MHF



- Extrude tape
- Wall thickness 1.0mm
- USP: Pre-PUR© is highly abrasion proof (abrasion resistance about 2.5 times better than most rubber materials and about 3 to 4 times better than most soft PVC's)
- Long service life
- Less downtime
- PUR hoses are more flexible and have less weight than rubber hoses
- Far better in price than silicon hoses
- Transparent
- Process can be monitored
- Vibration resistant welding seam
- Smooth interior

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.

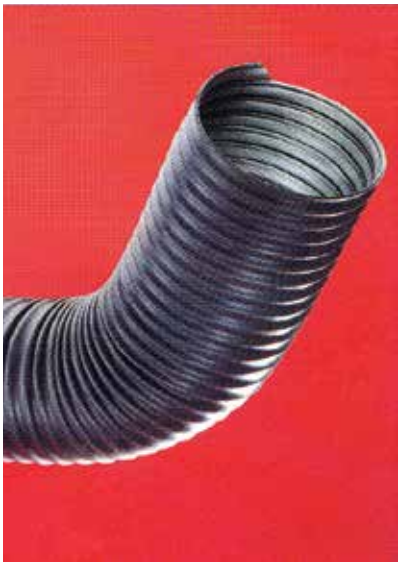
Extraction Flex

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 – 20^0C to + 400^0C.

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 ad 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 - 40C 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 funnels and sufficient fresh air 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.

www.eziduct.com.au

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Ezi-Duct is very proud to be working in conjunction with its sister company Polex Environmental Engineering Pty Ltd in providing the best possible performing and energy efficient products designed in Australia to meet our strict OHS and Environmental regulations

Polex

AUSTRALIAN