



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



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



Now in our 20th year and with 1000's of happy customers Ezi-Duct together with its sister company Pollex Environmental Engineering are Australia's leading & largest organisation in the field of dust collection and fume extraction equipment.

Ezi-Duct is 100% Australian owned & operated but operates globally. We currently provide our products to the following regions - Australia/ Pacific, USA , Asia and Africa.

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

Ezi-Duct works with its sister company Pollex 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 OHS and clean air / environmental regulations.

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



YOU CAN BREATHE
EASY WHEN DEALING
WITH EZI-DUCT

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



MELBOURNE



SYDNEY



BRISBANE



The majority of our products are Australian made in one of our 3 Ezi-Duct factories located in Melbourne, Sydney and Brisbane



TABLE OF CONTENTS

BENDS	31, 34
CLAMPS	31, 32
LEVER CLAMPS	32
SLIM CLAMPS	32
WIDE CLAMPS	32
CYCLONES	28
DAMPERS	31, 36
AIR VENT	36
BUTTERFLY DAMPER	36
OVERHEAD DAMPER	36
PNEUMATIC SLIDE DAMPER	36
ROSE END	36
SEALED SLIDE DAMPER	36
SLIDE DAMPER ELECTRICAL	36
DIVERTER VALVES	38
DUST COLLECTORS	4-18
ECONO	5-10
ECOMPACT	11
MDC	13-16
E-MISSION CONTROL	17-18
ELECTROSTATIC PRECIPITATORS	21
FANS,BLOWERS & VENTILATORS	26, 29-30
CBS CENTRIFUGAL FANS	30
TF RANGE OF FANS	29
ROOF VENTILATOR	26
FITTINGS	35
BRANCH PIECES	35
DOUBLE BRANCH PIECE	35
DUCT ENTRY	35
REDUCING CONES	35
MANIFOLDS	35
SQUARE TO ROUND TRANSITIONS	35
"Y" PIECES	35
FLEXIBLE DUCTING	39-43
EZIFLEX PUR 330 MHF - FOOD GRADE	40
EZIFLEX AIRDUCT 350- HEAVY DUTY FOOD GRADE	40
EZIFLEX AIRDUCT 355 - EXTRA HEAVY DUTY TRANSPORT	40
SPECIAL HOSE PUR 355 MHF	41
EZIFLEX CNC-PU 532	41
EZIFLEX PUAS-M	41
CP HITEX 483	41
FLAME RETARDANT FLEX	42
METAL FLEXIBLE DUCTING	42
EXTRACTION FLEX	42
HIGH TEMP FLEX	42
TPRD FLEX	43
VENTFLEX	43
PVCC FLEX	43
HOSE REEL FLEX (HRF)	43
FLEXIBLE HOSE CLAMP	31, 42
FLOOR SWEEP	37
FUME ARMS	24-25
EZI-ARM FUME ARM	24
EZI-FLEX FUME ARM ON SLIDE RAIL	24
EZI-FLEX FUME ARM	24
TELESCOPIC EZIFLEX ARM	25
EZI-FLEX FUME ARM STAINLESS STEEL	25
LAB FUME/DUST EXTRACTION ARM	25
HANGING BRACKET CLEVIS	32
INSPECTION DOORS	37
JETCAPS	38
LATHE HOODS KITS	37
OIL MIST FILTER	26
ROTARY VALVES	27
ROTARY SEPARATOR	26
SCRUBBERS	23
SILENCERS	38
SPECIALTY HOODS	37
SPRAY BOOTHS WET & DRY	22
STACKS	38
STRAIGHT DUCT	33
SUCTION BENCHES	38
TELESCOPIC DUCTS	37
VARIABLE SPEED DRIVE (VSD)	12
VEHICLE EXHAUST HOSE REELS	19-20
WEATHER COWLS	38
WELD ENDS	37

DUST COLLECTORS



EZI DUCT HAS THE FINEST RANGE OF DUST COLLECTORS ON THE MARKET

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



THE eCONO RANGE OF DUST COLLECTORS

Ezi-Duct is very proud to supply & 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 market.*

The eCono has been engineered & designed in Australia by a 100% Australian team with decades of industry experience. It's designed to meet Australia's strict OHS and clean air / environmental regulations.

All the eCono Dust Collector range (economical dust collector) although budget priced are feature & quality packed.

All eCono Dust Collectors are fabricated from corrosion resistant and robust galvanized steel.

They are all fitted with the top quality filter bag medium. The unit's filter bags are snap lock, quick fit/ no leakage filter bags manufactured from top quality

550g/m² 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 that reduces any risk of blockages. The automatic cleaning systems is controlled by a PLC fitted into a Australian made 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 550 g/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 1 x 200 ltr plastic collection bag or alternatively waste can be deposited directly into a 240 ltr “wheelie bin”

They are made from Robust carrion 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 + M³/h @ 2500 + pa
- Fan: 1.5kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 21x 200ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 15 x 550 g/m² Polyester antistatic needle felt. (152 dia. X 1000 mm)
- Cleaning System: Vibration Cleaning System

THE eCONO RANGE OF DUST COLLECTORS

Econo 3000

- Air: 3000 + M³/h @ 2500 + pa
- Fan: 3.0kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 2 x 200ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 15 x 550 g/m² Polyester antistatic needle felt.(152 dia. X 1000 mm)
- Cleaning System: Vibration Cleaning system

Perfect for a CNC machine or a small to medium workshop

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

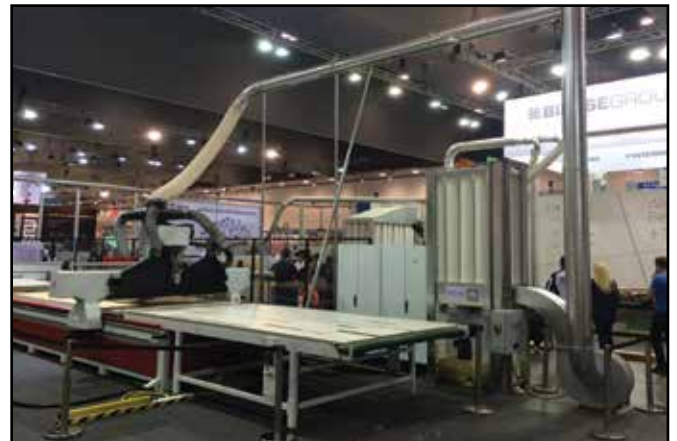
The eCono 3000 / 4000 have 15 top quality 550 g/m² Polyester antistatic needle felt filter bags that are cleaned with a vibration cleaning system every time the Dust Collector is switched off. This ensures that the Dust Collector is working at maximum efficiency when the unit is turned on.

The Dust collector is supplied standard with 2 x 200 ltr plastic collection bags or alternatively waste can be deposited directly into a 240 ltr “wheelie bin”

They are made from robust carbon 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 4000

- Air: 4000 + M³/h @ 2500 + pa
- Fan: 4.0kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 2 x 200ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 15 x 550 g/m² Polyester antistatic needle felt.(152 dia. X 1000 mm)
- Cleaning System: Vibration Cleaning system



THE eCONO RANGE OF DUST COLLECTORS

Econo 6000 C

- Air: 6000 + M³/h @ 2750 + pa
- Fan: 7.5kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 2 x 200ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 25 x 550 g/m² Polyester antistatic needle felt.
- Cleaning System: Vibration Cleaning system



*Perfect for 2 X CNC machine
or a medium workshop*

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 20 top quality 550 g/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 2 x 200 ltr plastic collection bags or alternatively waste can be deposited directly into a 240 ltr "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 RANGE OF DUST COLLECTORS

Econo 6000

- Air: 6000 + M³/h @ 2750 + pa
- Fan: 7.5kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 4 x 200ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 25 x 550 g/m² Polyester antistatic needle felt.
- Cleaning System: Vibration Cleaning system



*Perfect for 2 X CNC machine
or a medium workshop*

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 comes with a vibration filter bag cleaning system.

The eCono 6000 & 8000 have 25 top quality 550 g/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 200 ltr plastic collection bags or alternatively waste can be deposited directly into a 240 ltr "wheelie bin".

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

The eCono 8000 has an even more powerful 11.0 kW 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 8000

- Air: 8000 + M³/h @ 2500 + pa
- Fan: 11.0kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 4 x 200ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 25 x 550 g/m² Polyester antistatic needle felt.
- Cleaning System: Vibration Cleaning system



THE eCONO RANGE OF DUST COLLECTORS

eCono HRV (Hopper, Rotary Valve)

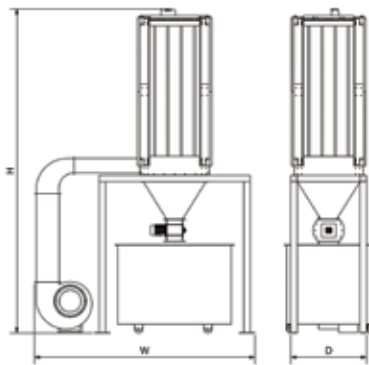
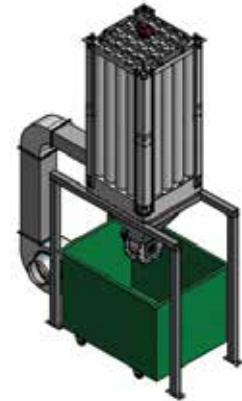
Perfect if your factory generates more waste

The eCono HRV series are eCono dust collection units supplied on a steel stand and dust is automatically deposited into a 3mtr³ waste bin.

It's supplied with a hopper and rotary valve, so all the waste is directly deposited into a 3 mtr³ 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.

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

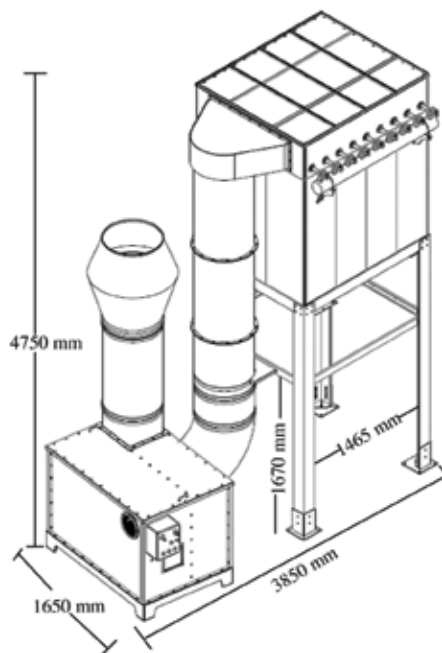
They are made from Robust corrosion resistant galvanised steel and the fan is a powerful heavy duty, high efficiency industrial quality fan fitted with a WEG CE 3 phase electric motor



THE eCONO RANGE OF DUST COLLECTORS

Econo 12000 HRVP

- Air: 1200 + M³/h @ 3000 + pa
- Fan: 15.0kW Fan
- Supplied with a hopper and Rotary Valve that feeds directly to 3 mtr³ waste bin
- 63 x 550 g/m² Polyester antistatic needle felt.
- Fully Auto reverse Pulse Cleaning system
- Supplied with Control panel



The eCono 12000 HRVP is supplied with a hopper and rotary valve so all the waste is directly deposited into a 3 mtr³ waste bin

The eCono 12000 HRVP is a budget price dust collector with all the features of much more expensive models.

Its got 63 top quality 550 g/m² Polyester antistatic needle felt filter bags that are continually cleaned with a fully automatic reversers pulse cleaning system. This ensures that the Dust Collector is working at or near maximum efficiency at all times.

Its supplied with a hopper and rotary valve so all the waste is directly deposited into a 3 mtr³ waste bin. A huge bonus is 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.

Another bonus the Dust Collector works under negative pressure so no dirty air (wood chips) passes through the fan.

The unit can be supplied with a VSD to save big \$\$\$ on Energy costs.



THE eCOMPACT RANGE OF DUST COLLECTORS

The eCompact (compact dust collector) is a series of compact yet powerful & versatile dust collectors that can easily come apart to fit into small plant rooms or can also be put outdoors. The eCompact dust collector has been engineered & designed in Australia by a 100% Australian team with decades of industry experience. It's designed to meet Australia's strict OHS 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 (compact dust collector) 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 are required. This ensures that when ever the dust collector unit is turned on its operating at maximum efficiency saving energy. The automatic cleaning system is controlled by a PLC fitted into a control panel supplied with the unit. The filters are tubular to allow easy dust release during the cleaning cycle that reduces any risk of blockages. The units filter bags are snap lock, quick fit / no leakage filter bags manufactured from top quality 550 g/m² Polyester antistatic needle felt.

Waste is deposited either into 1 or 2 steel collection bins or 1 or 2 plastic "wheelie" bins. (more popular now with OHS 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 & powered coated afterwards. They are carried ex stock by Ezi-Duct ready for immediate deliver.

3 models of the eCompact Dust Collector are manufactured.



eCompact 3000

- Air: 3000 + M³/h @ 3000 + pa
- Fan: 5.5kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 1 x 90ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 15 x 550 g/m² Polyester antistatic needle felt.
- Cleaning System: Vibration Cleaning system
- Dimensions:
- Weight:



eCompact 6000

- Air: 3000 + M³/h @ 3000 + pa
- Fan: 7.5kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 2 x 90ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 15 x 550 g/m² Polyester antistatic needle felt.
- Cleaning System: Vibration Cleaning system
- Dimensions:
- Weight:



eCompact 9000

- Air: 9000 + M³/h @ 3000 + pa
- Fan: 15.0kW WEG CE motor High Efficiency, Industrial Quality
- Collection capacity : 2 x 90ltr waste collection bag or 240ltr Wheelie bin
- Filter Bags: 15 x 550 g/m² Polyester antistatic needle felt.
- Cleaning System: Vibration Cleaning system
- Dimensions:
- Weight:

VSD OR VARIABLE SPEED DRIVE

More Energy savings by fitting a V.S.D

A VSD or variable speed drive (optional) can also be fitted into the control panel supplied with the dust collector unit.

The VSD will save considerable energy costs. 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.



Custom Made eCompact

As Ezi-Duct is an Australian manufacture (not just an agent for an overseas company) it can custom make an eCompact Dust Collector to fit into a very tight space. This is a photo (see left) of a custom designed and built eCompact 9000 15 kW that we fitted into a very tight plant room in a Queensland project.

MDC RANGE OF DUST COLLECTORS

Ezi-Duct is very proud to supply & manufacture the MDC range of Dust Collectors. 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 Pollex Environmental Engineering using a 100% Australian design team with decades of industry experience. It's designed to meet Australia's strict OHS and clean air / environmental regulations.

All the MDC range (modular dust collector) 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 & downtime costs.

The MDC are available in 3 types of units with models 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 / reserve pulse system.
- MDC PC are dust collectors wit filter cartridges automatically cleaned continuously by compressed air / reserve pulse system.

The MDC dust collectors capacity range is huge with models from 4000 m³ /h to over 100,000 m³/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 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 can 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 (optional) can also be fitted into the control panel supplied with every MDC model dust collector unit. The VSD will save considerable energy costs. 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 with 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 Vales (air lock valves) that feeds waste directly into a 3m³ bin. This great feature enables 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 & downtime costs.

Other great MDC features include

- Heavy duty construction made from corrosion resistant galva-nized 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 can be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations)

Air: 6000 + m³/h @ 3000 + Pa to 36000 + m³/h @ 3000 Pa

Fan: 7.5 kW - 45 kW WEG CE motor High Efficiency, Industrial Quality

Collection capacity : 1 to 2 Rotary Airlock Valves feeding directly into 1 - 2 3m³ waste bins

Filter Bags: 25 - 150 x 550 g/m² Polyester antistatic needle felt.

Cleaning System: Vibration Cleaning system

Dimensions: depends on model (see data sheet)

Weight : depends on model (see data sheet)



MDC P RANGE OF DUST COLLECTORS

Its 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 with 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. This ensures the dust collectors is running at maximum efficiency at all times.

The MDC P dust collectors are fitted with Rotary Vales (air lock valves) that feeds waste directly into a 3m³ bin. This great feature enables 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 & downtime costs.

Other great MDC features include

- Heavy duty construction made from corrosion resistant galva-nized 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 can be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations)

Air: 6000 + m³/h @ 3500 + Pa to 100,000 + m³/h @ 3500 Pa

Fan: 7.5 kW - 150 kW WEG CE motor High Efficiency, Industrial Quality

Collection capacity : 1 to 4 Rotary Airlock Valves feeding directly into 1 - 4 3m³ waste bins

Filter Bags: 25 - 600 x 550 g/m² Polyester antistatic needle felt.

Cleaning System: fully automatic reverse pulse

Dimensions: depends on model (see data sheet)

Weight : depends on model (see data sheet)



MDC PC RANGE OF DUST COLLECTORS

Its 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 with 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. This ensures the dust collectors is running at maximum efficiency at all times. The MDC P dust collectors are fitted with Rotary Vales (air lock valves) that feeds waste directly into a 3m³ bin. This great feature enables 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 & downtime costs.

Other great MDC features include

- Heavy duty construction made from corrosion resistant galvanized 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 can be added to increase the dust collectors filter area capacity.
- Quiet to operate (meets most council noise regulations)



Air: 6000 + m³/h @ 3500 + Pa to
100,000 + m³/h @ 3500 Pa
Fan: 7.5 kW - 150 kW WEG CE motor
High Efficiency, Industrial Quality
Collection capacity : 1 to 4 Rotary
Airlock Valves feeding directly into 1 - 4
3m³ waste bins
Filter Bags: 25 - 600 x 550 g/m²
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 Collector suitable for extraction and filtration of

- Welding or other Fumes & Smoke,
- Airborne Dust,
- Odour Control
- and many more applications.

All eMission control models have a series of 3 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 takes out odours from the air flow.

The eMission control is a 100% 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 3 models have a compressed air filter cartridge cleaning system that ensures the eMission control with fun at 100% efficiency every time it is operating.

eMission Control Features

- Compact design
- Powerful 1.5, 2.2 or 4.0 kW High Efficiency Fan
- Airflow 1500, 2500 & 4000 + m³/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
- Weatherproof
- 1.2mm thick folded sheet metal construction
- Easy Access Lift-Out Cartridge Filters.
- Complies with EPA Minimum Emission Requirements
- Complies with Work Cover Noise Regulations.



eMission Control 1500

Although modestly priced and very small and mobile. It's 1.5kW 240V single phase high efficiency fan produces more than 1500 m³/h @ 1500pa. It has 3 filters, a pre "spark filter" to help stop sparks from getting into the machine. A main poly / cellulite blend main filter and for odour control a carbon filter on the outlet. The unit connects directly to compressed air line and 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 c/w hood & 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 2500 m³/h @ 1500pa. It has 3 filters, a pre “spark filter” to help stop sparks from getting into the machine, 2 x main poly/cellulite blend main filters and for odour control a carbon filter on the outlet.

Set and Forget fully Automatic primary Catridge 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. This ensures the eMission control will run at 100% efficiency every time it is operating.

Powerful Airflow

The eMission control 2200 powerful airflow enables it to operate 2 x 3 m 150mm dia. 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 4000 m³/h @ 1500pa. It has 3 filters, a pre “spark filter” to help stop sparks from getting into the machine, 6 x main poly/cellulite blend main filters and for odour control a carbon filter on the outlet.

Set and Forget fully Automatic primary Catridge 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. This ensures the eMission control will run at 100% efficiency every time it is operating.

Powerful Airflow

The eMission control 2200 powerful airflow enables it to operate 2 x 3 m 150mm dia. 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 beat all other companies competing in a Global tender to supply the world's best performing air filtration equipment for a large international company's new pipe laying ship (the world's newest and largest).

Our Australian eMission Control units beat all other Global companies units on performance specifications.

The 20 eMission Control 4000 & 2200 units supplied for the vessel run 24 hours a day in a very harsh environment. They take out welding fumes, grinding dust & paint fumes from the enclosed areas of the ship. The company is very happy with our equipment & are specifying the eMission Control for its next ship currently under construction.



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 goes back into your workshops breathable air, greatly improving the air quality for you and your staff.

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

The VEHRE has a powerful high efficiency fan providing over 1000 m³/h @ 1000pa of suction. It is powered by an industrial quality 0.75kW CE motor. Alternatively several VEHRE units can be ducted into 1 centralised fan.

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

The Ezi-Duct Vehicle Exhaust Hose Reels are available in 2 models fitted with either 10 mtrs of 102mm dia. or 152 mm dia. hose

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



VEHRE 100



VEHRE 100



102mm dia Nozzle



High Efficiency Fan

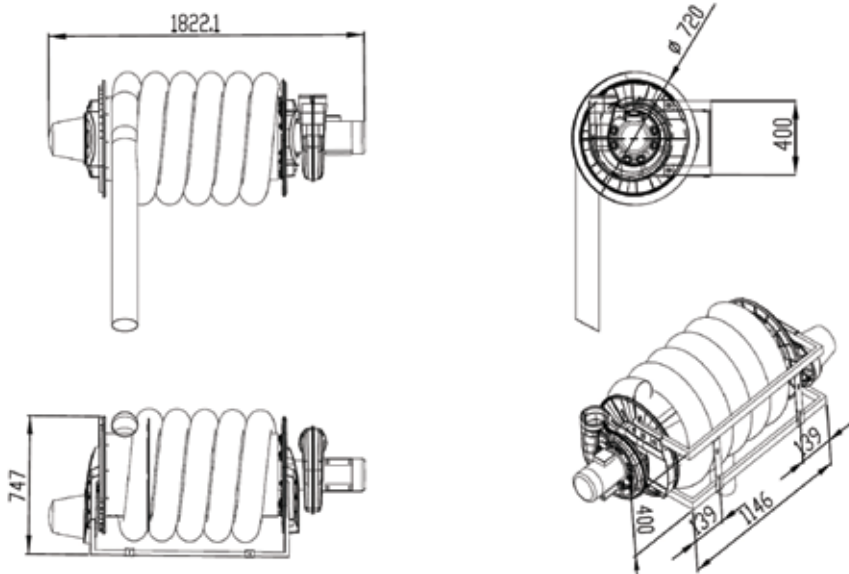


150mm dia Nozzle

VEHICLE EXHAUST HOSE REELS ELECTRIC

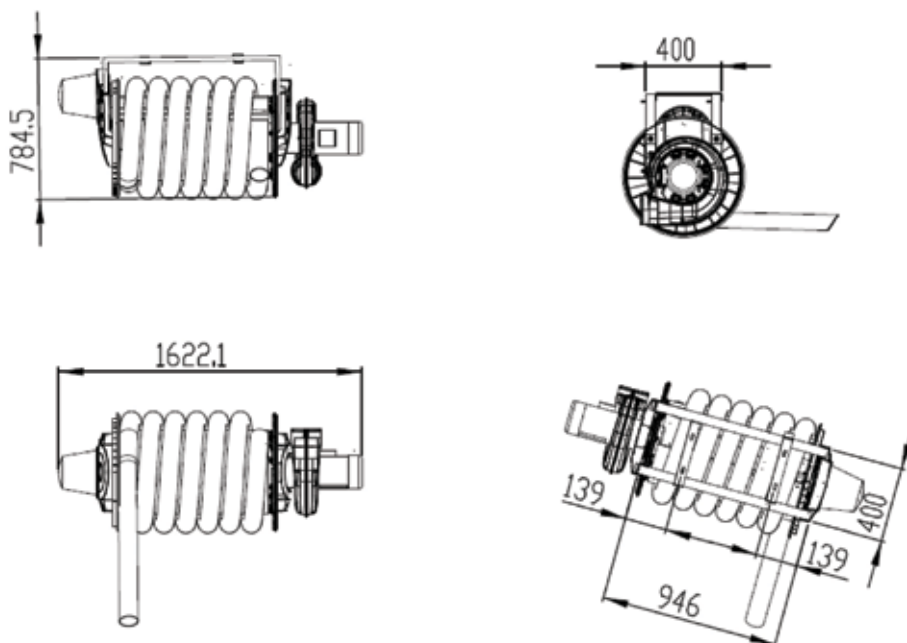
VEHRE 100mm

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



VEHRE 150mm

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



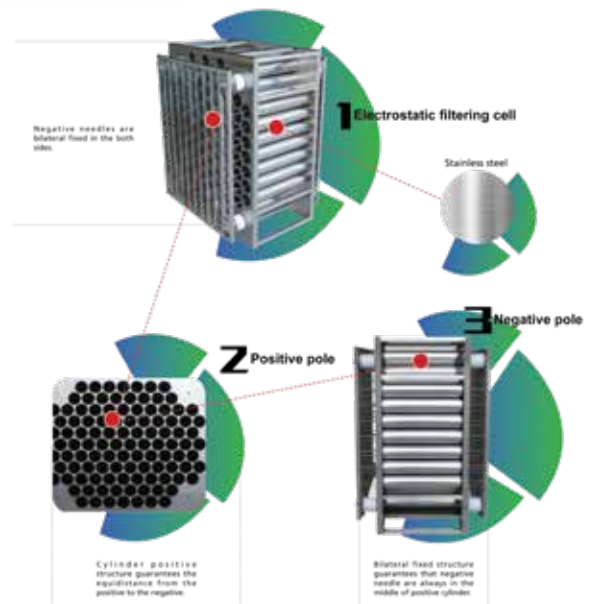
ELECTROSTATIC PRECIPITATOR (ESP)

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 gasses through the unit.

They are perfect for applications such as on 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 therefore 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.



SPRAY BOOTH (WET & DRY)

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 coalescing air medium.



	DSB3000	DSB4500	DSB6000
Filter screen width	3000	4500mm	6000
Max fan capacity	18000 m³/h	18000 m³/h	2 x 18000 m³/h
Fan Motor	3kW exe 3 phase	3kW exe 3 phase	2 x 3kW exe 3 phase
Overall size	3100 x 1600 x 2650	4600 x 1600 x 2650	6100 x 1600 x 2650
Weight	950kg	1200kg	1500kg

Wet Spray Booths



	WSB2500	WSB4500	DSB6000
Filter screen width	3000	4500mm	6000
Max fan capacity	18000 m³/h	18000 m³/h	2 x 18000 m³/h
Fan Motor	3kW exe 3 phase	3kW exe 3 phase	2 x 3kW exe 3 phase
Overall size	3100 x 1600 x 2650	4600 x 1600 x 2650	6100 x 1600 x 2650
Weight	950kg	1200kg	1500kg

SCRUBBERS & HVAC SYSTEMS

Scrubbers

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

The polluted air first enters the scrubber through a 90 deg 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. Some of the particles drop out into the water tank below at this stage. 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.



HVAC 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, Industrial centrally ducted vacuum systems. They are also suitable for a range of applications. The units are available in Stainless Steel for food, pharmaceutical & 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 EziArm is a self supporting suction arm that is the best technical solution for the extraction of fumes & dust. It's 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 3 models 2.2 mtr, 3.0 mtr and the big 4.6 mtr model. All are 150mm in diameter and are supplied with a wall mounting bracket and damper. All model EziArms are carried ex-stock in 3 Ezi-Duct branches. The EziArm can rotate 360 degrees and is designed with an ease of use principle for the operator. This enables for an enormous number of suction hood positions.

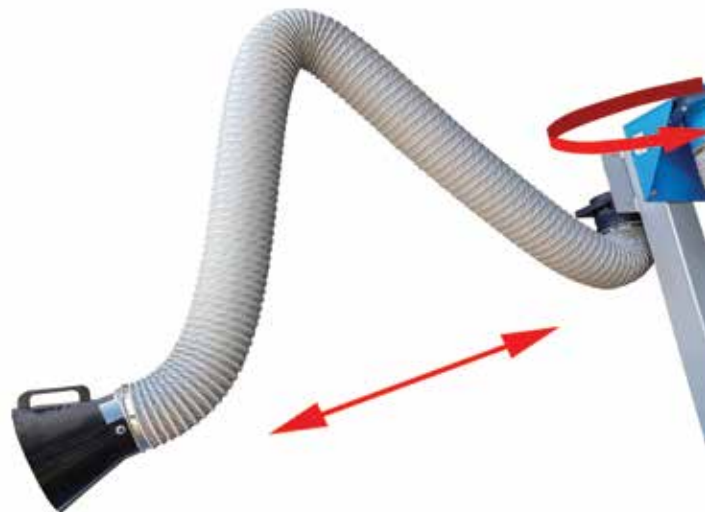
They are ideal for many applications that include the removal from workers faces of welding fumes, sanding dust, odours and other harmful dust and fumes.



Ezi Flex Fume Arms

The new 3.0 mtr 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 3 stage mechanism and Flame Retardant Flexible Ducting. The hood is made from light weight steel construction with an aluminum handle. This makes the Ezi-Flex Fume Arm very light & manoeuvrable. The Ezi-Flex Fume Arm is supplied standard with a wall bracket . It has an extended reach of 3.0 mtrs. It is 160 mm dia.



Ezi Flex Fume Arm on Slide Rail

The new 3.0 mtr 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 3 stage mechanism and Flame Retardant Flexible Ducting. The hood is made from light weight steel construction with an aluminum handle. This makes the Ezi-Flex Fume Arm very light & manoeuvrable. The Ezi-Flex Fume Arm is supplied standard with a wall bracket . It has an extended reach of 3.0 mtrs. It is 160 mm dia.



FUME ARMS

Ezi Flex Telescopic Fume Arm

The new Ezi-Flex Telescopic Fume Arm is an ideal economical solution for the removal of welding & 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 & 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 160 mm dia and has an adjustable reach of 0.9 -1.6 mtrs.



Laboratory Fume/Dust Extraction Arm (EAL)

The Laboratory Fume/Dust Extraction Arm is perfect small articulated suction arm constructed from strong corrosion resistant PVC. The unit is fitted with a clear plastic, see through hood. Its 76 mm dia. and is around 1000 mm long.

The ELA is perfect for the removal of fume and dust in laboratories, electronic / soldering applications, nail polish fumes in beauty parlours + many other applications. They can be wall or counter mounted .



Ezi Flex Fume Arm Stainless Steel

The new 3.0 mtr 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 & manoeuvrable. The Ezi-Flex Fume Arm is supplied standard with a wall bracket . It has an extended reach of 3.0 mtrs. It is 160 mm dia.



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.



Filter Bags & Cartridges

Save time & 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 & 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

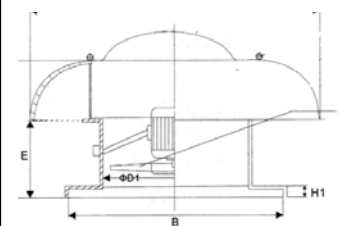
Ezi-Duct manufactures & supplies the Porex designed rotary separator range.

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, aluminum foil trim systems and in the recycling industry. The perforated rotating impeller allows for free continuous blockage free operation.



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 an axial 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 & positive) such as dust collectors, cyclones & hoppers.

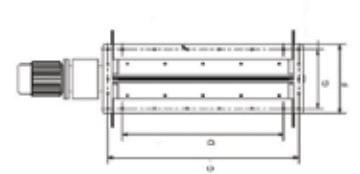
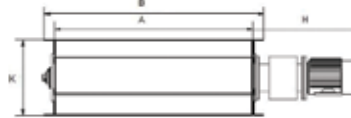
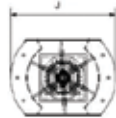
Rotary valves are used for wood dust & shavings, paper, animal feed and cereals, plastics and many other free flowing products

They are fabricated in 3mm black plate and painted and have a rotational speed of 20 rpm. Rotary Valves have 6 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

Rotary Valve Output @ 50%

R.V.250	20m³/hr
R.V.500	40m³/hr
R.V.925	60m³/hr
R.V.5000	90m³/hr



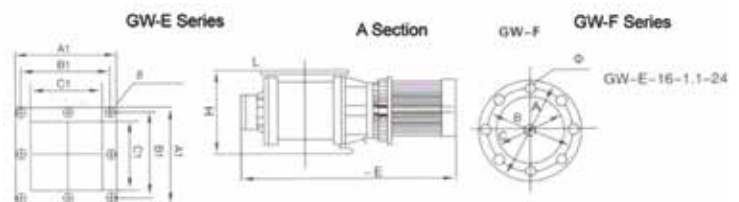
Rotary Valves	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	J mm	K mm
R.V.250	250	350	300	2 x 150	11Ø	300	2 x 150	460	490	350
R.V.500	500	350	300	1x200(+2x175)	11Ø	300	2 x 150	460	490	350
R.V.925	925	1025	975	5 x 165	11Ø	300	4 x 75	460	490	350
R.V.5000	500	590	560	4x140	11Ø	560	4 x 140	460	860	600

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.

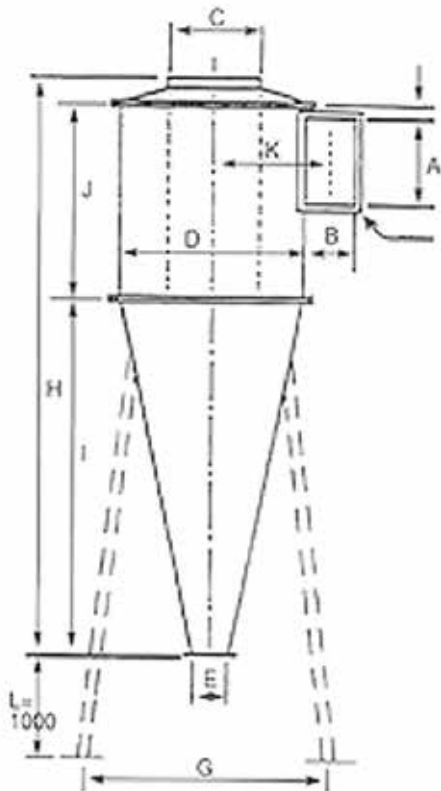


Model	Volume per round (l/round)	Motor power (kW)	Valve speed (rpm)	Working temp (°C)	Dimensions (mm)								
					A	B	C	A1	B1	C1	H	E	Flange hole diameter
RV2	2	0.55	24	<300	240	200	150	240 x 240	200	150 x 150	240	~680	9
RV4	4	0.55	24	<300	280	240	180	280 x 280	230	180 x 180	280	720	11
RV6	6	0.75	24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

FANS & BLOWERS

Ezi-Duct carries EX-STOCK and produces to requirements a large range of Industrial Quality, Hi 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 3 state branches the TF range of Industrial Quality, Hi Efficiency Centrifugal Fans. TF 0.75 kW, 1.5 kW, 3.0kW, 4.0 kW, 7.5 kW, 11.0 kW, 15.0 kW, 18.5 kW, 22.0 kW, 30 kW, 45 kW

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.



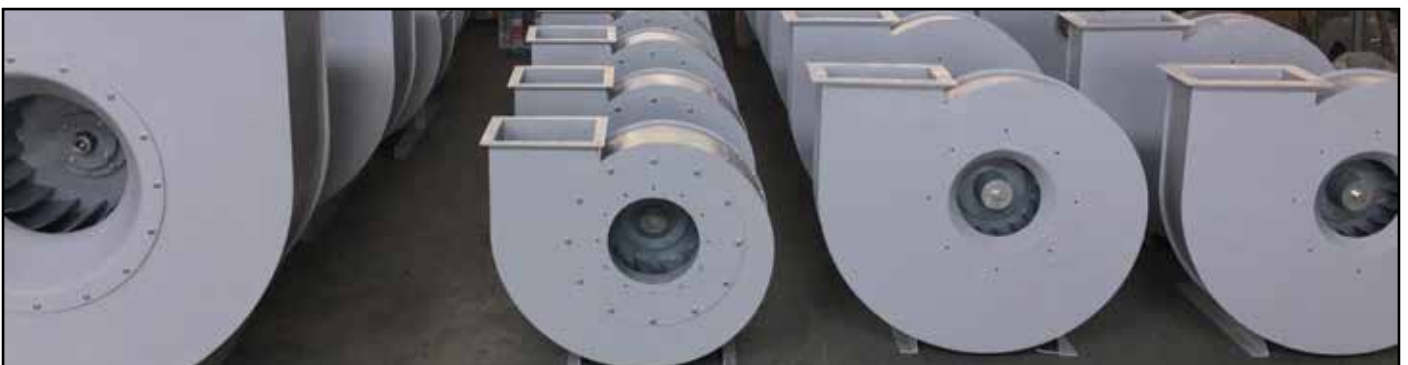
45 kW High Efficiency Centrifugal Fan



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 3 state branches the CBS models of Quality, Hi Efficiency Centrifugal Fans that produce higher airflows at a lower pressure.

They are designed and are perfect for fume extraction systems and other similar applications

We carry 4 sizes ex-stock in our 3 branches

CBS 200 0.75 kW 1500 m³/h @ 1500 pa,
CBS 315 1.5 kW 3000 m³/h @ 1500 pa,
CBS 355 3.0kW 6000 m³/h @ 1500 pa
CBS 400 4.0 kW 9000 m³/h @ 1500 pa

The CBS fan range are perfectly matched for 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 & High Pressure Centrifugal Fans and Axial Flow Fans.

Ezi-Duct also supplies on request Roots High Pressure Vacuum Pumps, Side Channel Blowers, Medium & High Pressure Centrifugal Fans and Axial Flow fans. We also can 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 perfect for a small to medium High Vac System

EZI-DUCT MODULAR DUCTING

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° bends.

- Companies can cut costs considerably as Ezi-Duct modular ducting is so simple, quick and easy to install. Installation time is cut down considerably.
- 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 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 its machinery or expands, the ductwork can be disassembled and reuse 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 Cows



Inspection Door



End Cap and End Disk



Hanging Brackets



Other Products



DUCTING CLAMPS, HOSE CLAMPS & HANGERS

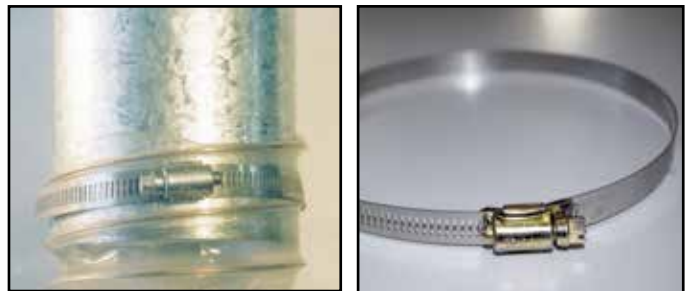
Ezi-Duct has a range of ducting clamps that make installing a ducting system EZI. Ezi-Duct's ducting clamps cut down installation time by 50% on conventional ducting systems. If a blockage occurs or you change your ducting layout or move to another building you can simply pull your ducting apart and reuse it again. We also provide several options for hanging your ducting systems with Hanging Brackets and Brokker Rod or Wire and Clutches. All is carried ex-stock in our 3 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. Comes in 2 x 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.



Ezi-Duct manufactures it's ducting in Australia from Australian steel and supplies a huge range of ducting and ducting clamps in galvanise, stainless steel and mild steel. Ezi-Duct has decades of industry experience and continually trains apprentices to ensure our future.

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 pull apart moved and reused.

Its available ex-stock in 3 states and is available in easy to handle and transport lengths of 500mm, 1000mm & 2000mm (1500mm for 500 mm dia & above). Its manufactured in Australia in all of our 3 factories in Melbourne, Sydney & Brisbane.

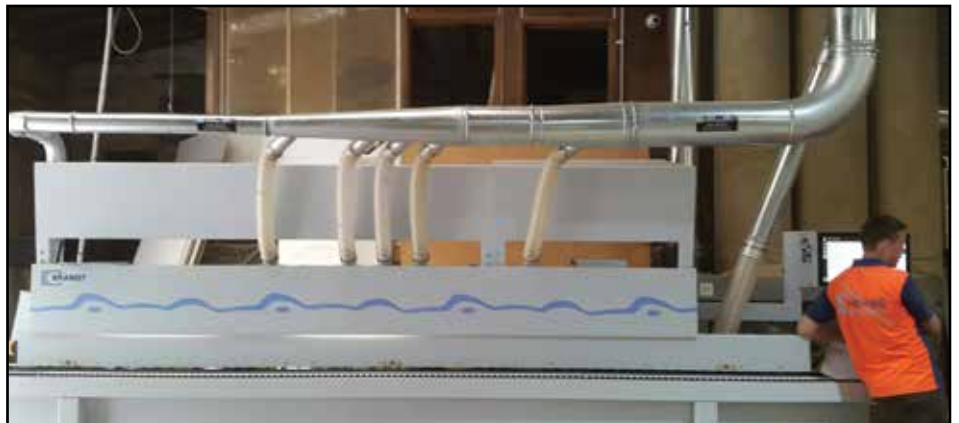
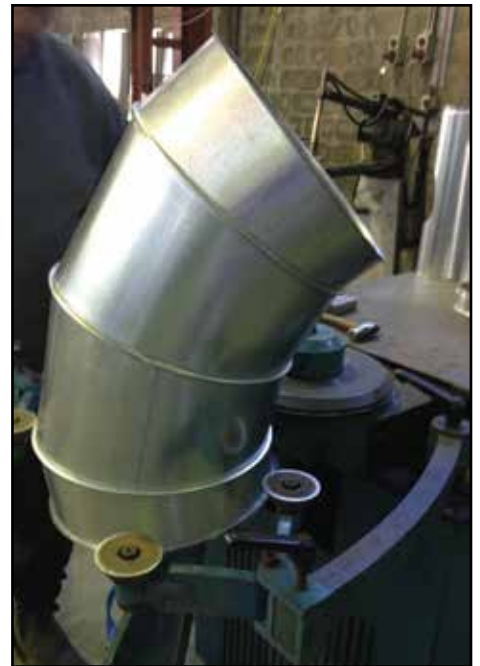


Diameter	500mm LONG	1000mm LONG	2000mm LONG
80	Y	Y	Y
100	Y	Y	Y
120	Available upon request		
125	Y	Y	Y
140	Y	Y	Y
150	Y	Y	Y
160	Y	Y	Y
180	Y	Y	Y
200	Y	Y	Y
220	Available upon request		
225	Y	Y	Y
250	Y	Y	Y
275	Y	Y	Y
300	Y	Y	Y
350	Y	Y	Y
400	Y	Y	Y
450	Y	Y	Y
500	Y	Y	*
550	Y	Y	*
600	Y	Y	*
650	Available upon request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



DUCTING 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 1.5 x D1A. 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 & Brisbane



FITTINGS

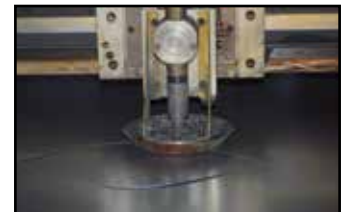
All Ezi-Duct fittings are designed and manufactured using the latest computer controlled design and cutting equipment. This ensures that all our fittings are extremely accurate and of the highest quality.

Standard Fittings are manufactured from a minimum of 0.8mm galvanised steel supplied from B.H.P.

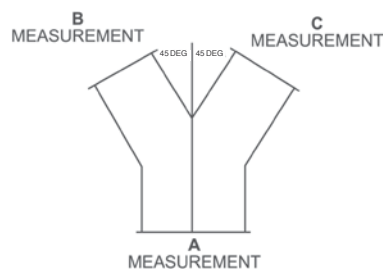
All fittings come standard with Ezi-Duct ends for quick assembly using Ezi-Duct clamps.

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)



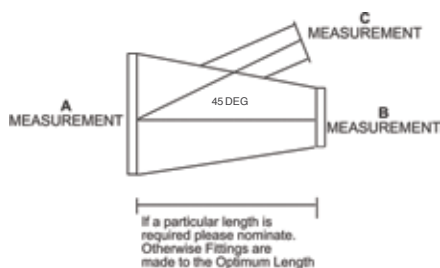
Y Pieces



Square to Round transitions



Branch Pieces



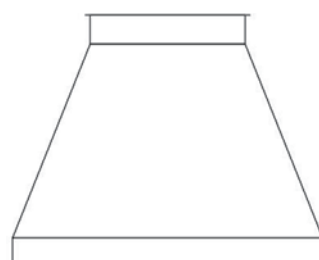
Manifolds



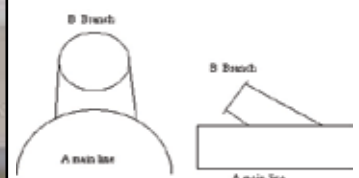
Double Branch pieces



Reducing Cone



Duct Entry



DAMPERS

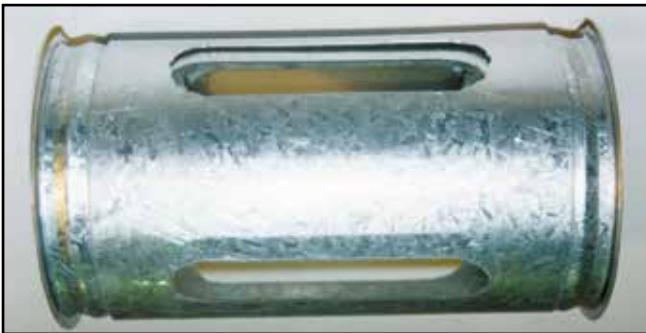
Ezi-Duct manufactures a large range of Dampers to suit every applications.

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

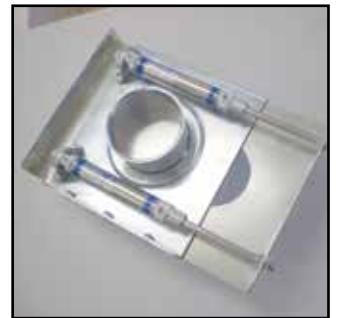
Dampers can be fitted with pneumatic or electric actuators for automatic operation.

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



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 altogether. They come in 2 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 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 & Jetcaps

Ezi-Duct manufactures a large range of Weather Cowls, Vertical Discharge Stacks and JetCaps. 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



Verticle Discharge Stacks



Jetcap



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 3 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



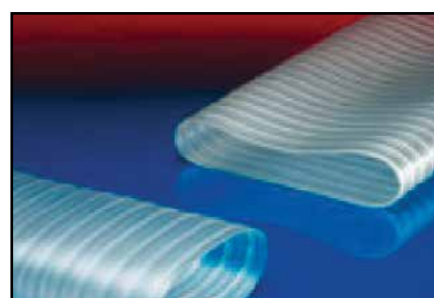
PUAS-M



AIRDUCT 355



AIRDUCT 350



SPECIAL HOSE PUR 335 MHF



VENTFLEX



PVCC



TPRD



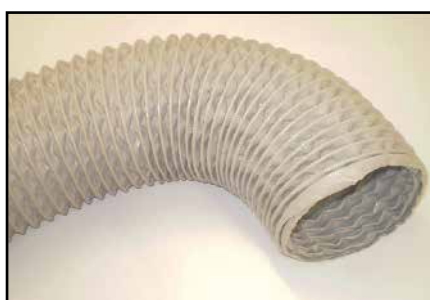
HIGH TEMP FLEX (HITEMP)



METAL FLEX



EXTRACTION FLEX



FLAME RETARDANT FLEX (FRF)



HOSE REEL FLEX (HRF)



CP HITEX 483

FLEXIBLE DUCTING

EZIFLEX PUR-M (PUR-330 MHF) FOOD GRADE



Construction:

1. fully encapsulated steel wire helix
2. extruded tape
3. wall thickness approx 0.6mm

Material:

- wall: pure polyurethane
- spiral: steel wire

Applications:

- Suction and blast hose especially suitable for:
- light abrasive solids such as dust, powder, fibres and chips
 - chemical, food and pharmaceutical

industries where food grade flex is required

Properties:

- high tensile strength and tear resistance
- abrasion proof
- microbe & hydrolysis resistant
- food quality wall complies with FDA 21 CFR 172.2600 & 178.2010
- very flexible
- electrostatic discharge by grounding the spiral (according to ZH 1/200)

Temperature Range:

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

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:

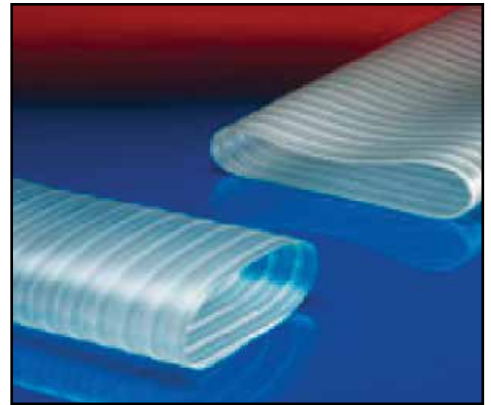
- Approx -40°C to +90 with short periods to +125°C

Pressure ratings available upon request

FLEXIBLE DUCTING

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



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, saw 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



CP HiTex 483

- Patented CP construction
- Multi layer
- insulated
- Exhaust gas temperature to +650 °C (short time +700 °C)
- USP: Patented CP construction
- suitable for light overpressure
- Patented multi-layer construction
- allows extremely high temperature
- difference between inside and outside of the hose
- longer service life



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.

Metal Flexible Ducting

Metal Flex is manufactured from helically wound metal strips. It is extremely hard wearing and is suitable for heavy duty dust and fume extractions and extractions of hot gases.

Temp Range -50°C to 250°C. This product is also available manufactured from 304 2B stainless steel.



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. Its 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.

Hight 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 gasses 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.

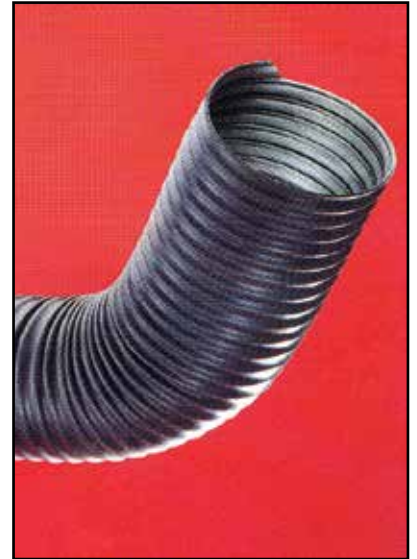
A lightweight durable flexible ducting manufactured from a thermoplastic elastomer that has very good temperature resistance and is UV resistant and has excellent chemical resistance.

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 is also very flexible and does not have a memory.

Applications:

For use on Vehicle Exhaust Hose Reel, removal of vehicle exhaust, hot gasses, 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 dia (special sizes made on request).



**EZI-DUCT AUSTRALIA'S LEADER IN
FUME & DUST CONTROL EQUIPMENT**

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Polex

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

