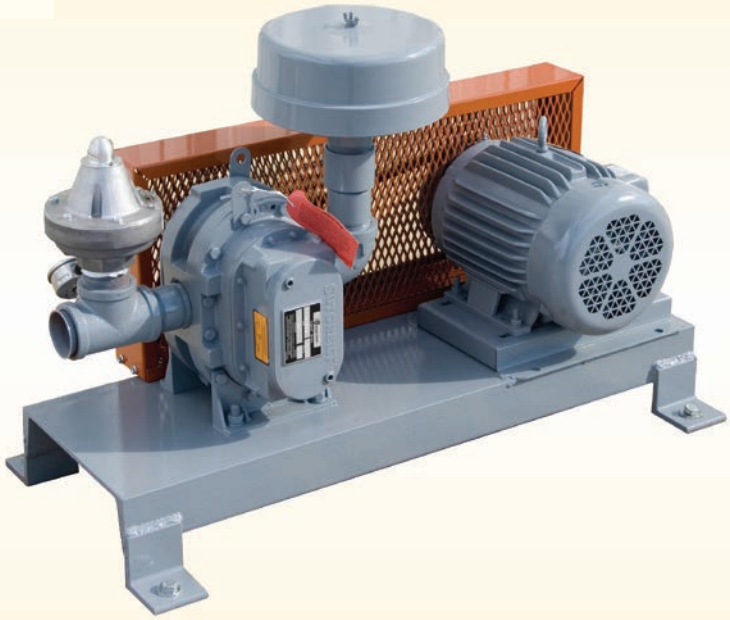
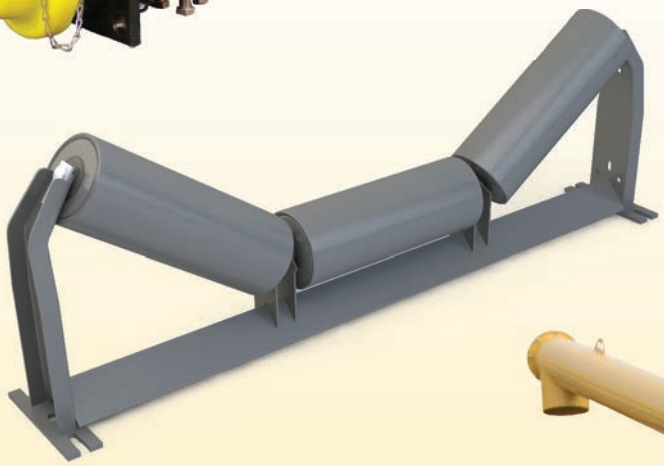
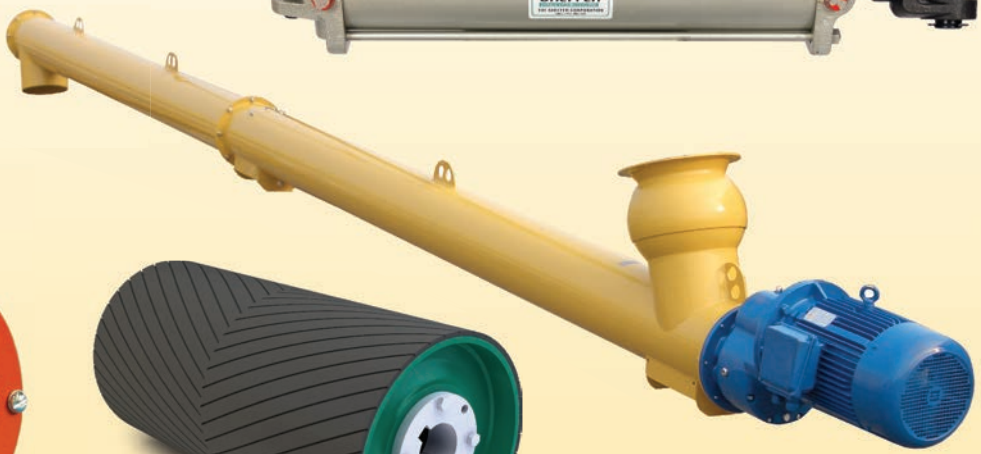
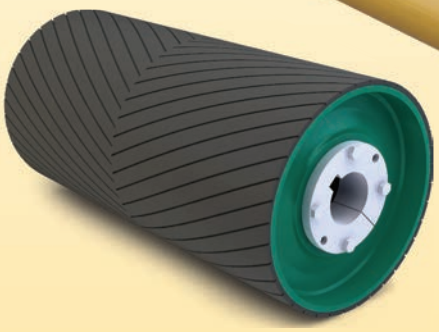
& EQUIPMENT









About C&G Equipment

C & G Equipment, Inc. started in 1984. The founding objective was to provide the concrete industry with the best quality at the best price on the equipment and parts they would need.

The company was started by Charles (Charlie) Bunch, out of Tampa, Florida. He had previously worked in several areas of the concrete industry for over 30 years giving him the knowledge base to supply his customers with the technical support needed.

In 2000, Charlie sold the business to his son, Rick, who had 18 years experience in mechanics and machinery. Charlie stayed on for three years but has since semi-retired. The business was moved to Hollywood, Florida and expanded beyond the concrete industry, now serving a wide variety of industries.

The business has also expanded it's borders. We now have customers from states all over the U.S. as well as in South America.

Honesty, hard work, superior product knowledge, and quality customer service are the qualities that make us the success we are today.

C & G EQUIPMENT

AIR LINE CONTROL	Pg. 04-07
AERATION & BLOWERS	Pg. 08-14
BOOTS	Pg. 15
CEMENT SCREWS & LOADING SPOUTS	Pg. 16-17
CONCRETE PLANTS	Pg. 18-21
CONVEYORS	Pg. 22-50
DUST CONTROL SYSTEM	Pg. 51-72
LEVEL CONTROLS	Pg. 73-76
MISCELLANEOUS	Pg. 77
MIXERS	Pg. 78-79
VALVES & CYLINDERS	Pg. 80-85
VIBRATORS	Pg. 86-93
WATER METERS AND PUMPS	Pg. 94-98
WEAR LINERS	Pg. 99-103

Legris Tubing:
Nylon, Polyethylene, Polyurethane
Standard Sizes - 1/8" to 1/2"
Metric Sizes - 4 to 16

Legris Fittings:
Nylon, Nickel - Plated Brass, Stainless Steel
Push - To - Connect
Standard Size - 5/32" to 1/2"
Metric Size - 4 to 12

Regulators:
Parker and Wilkerson
1/4" to 1"

Lubricators:
Parker and Wilkerson
1/4" to 3/4"

Filters:
Parker and Wilkerson
1/4" to 1"

N32-95-020
Blanking cap used to replace indicators

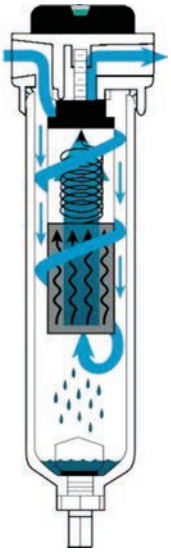
N32-W1-DPI
Differential pressure indicator used on most models 1/4" through 2" NPT

REPLACEMENT ELEMENTS

ELIMINIZER

FOR CLEAN DRY AIR, NOTHING BEATS AN RTi ELIMINIZER® APPLICATION DRYER.

Centrifugal Spinning



Bulk contamination water, dirt, and oil enter and are spun in a circular manner as the air flows vertically downward. This spinning action, which is naturally created by RTi's patented element design, forces heavy particles outward where they contact the inside of the bowl and drain to the sump area.

Inverse-Flow

RTi's patented Inverse-Flow process creates a condition where the air, which is spinning rapidly as it flows vertically downward, changes direction 180 degrees and begins to flow vertically upward. This process prevents the re-entrainment of contamination which normally occurs. Contamination, which is flowing vertically downward, is not capable of reversing direction and must separate from the air flow, falling to the sump area at the bottom of the bowl. This separation effectively pre-filters the air of bulk contaminants, thereby extending the life of the RTi filter element.

Stainless Steel Media: Filteration to 3 Micron

The first filter media which the pre-cleaned air enters is a deep bed of finely interwoven stainless steel mesh wires. These wires have an extremely striated outer surface and will hold small aerosols and liquid droplets which have survived the Inverse-Flow mechanical separation and centrifugal spinning processes. These small droplets will collect on the wire media, forming larger droplets which will fall into the drain area.

Friction Drying & Filtered Air To 1 Micron

Consisting of a cotton and polyester blend interwoven with stainless steel material, the final filter media captures sub-micron water droplets which have passed through the stainless steel wire mesh and delivers filtered air to 1 micron. Cotton holds submicron water particles and allows them to re-enter the airstream as a harmless vapor.

Rugged Bowl Assembly

The RTi Eliminizer® features polycarbonate bowls with bowl guards as well as, powder coated metal bowls and high-pressure, high-temperature, food grade, and 316 stainless steel options.

RTi ELIMINATOR® II ITHES A SUPERIOR DESICCANT DRYER SYSTEM. Eliminator® II

One: Dry, Oil-Free Air

RTi's exclusive, patented Inverse-Flow process delivers 100% removal of oil and water liquid contaminants, plus oil vapor removal to 0.003 ppm! A filter change/DP indicator is inlcuded.

Stage Two: Long-Life Desiccant Media

RTi's exclusive pre-filter dramatically extends desiccant efficiency for longer cartridge life. Replacing the desiccant media is simple, and removing the patented spin-off, spin-on element takes only seconds. The desiccant cartridge also features a coalescing final filter for 1 micron dust removal.

Unique Dew-Point Indicator Eliminates Guesswork

RTi's exclusive dew-point indicator lets you know when the desiccant cartridge needs to be replaced. When the color changes to pink, you know the desiccant media needs to be replaced.

Attention To Detail - Inlet Shut-Off Valve And Snaplock Regulator

Every RTi Eliminator® II ships with an inlet shut-off valve and a snap-locking regulator for easy servicing and precise air pressure settings that lock in place with finger-tip control.

Automatic Drain

The first-stage unit includes a reliable automatic float drain to remove liquids that build up in the bowl. Our exclusive manual override feature is standard on all E4000 and N4000 float drains.

Heavy Duty Construction

Designed for safety and durability, including: solid metal bowls, automatic drains, stainless steel components, inlet shut-off valve, regulator and 0-160 psi gauge with precision snap-lock feature for hassle-free pressure setting, and mounting brackets.

DRYERS AND COOLERS

Electronic Drain
Advantages:
Equipped with Straining Ball Valve Standard, Manual Adjustment for purge & cycle duration, 6' Electrical cord.

Aftercoolers:
Models: PA35 - PA1800
Optimizes Air for Use Removes Moisture, Lubricants and Particles, Reduces Maintenance Throughout the System, Versatile, Affordable and Easy to Install, Heavy Duty Construction.

Heatless Twin Towers:
Models: PH20A - PH1630A
Maximum Performance and Reliability, Long Service Life, Virtually Maintenance-Free Operation, Standardized Components, Low Bed Velocities and Optimum Flow Path, Economical and Efficient.

Refrigerated Dryers:
Models: PRA10A - PRW1750A
Insulated Heat Exchanger, Automatic Drain Trap Galvanized Steel Cabinets, Low Pressure Drop for High Efficiency, Oversized Condenser for Industrial Conditions, Environment Friendly.

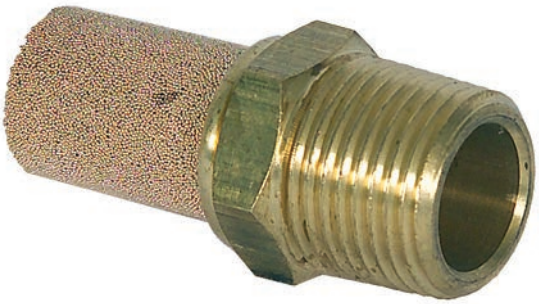
ACCESSORY VALVES

Quick exhaust valves provide rapid exhaust of control air when placed bewteen control valve and actuator. They can also be used as shuttle valves.

Legris Quick Exhaust Valve
Sizes 1/8" thru 1/2"

Parker Quick Exhaust Valve
Sizes 1/8" thru 3/4"

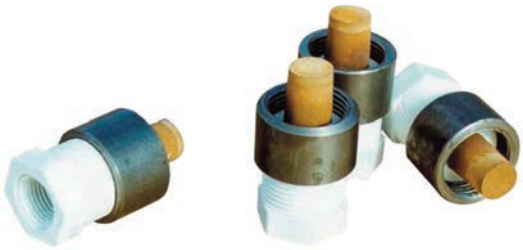
EXHAUST MUFFLERS



Exhaust Mufflers and speed Control Mufflers
Sizes 1/8" thru 1-1/2"

The air pad bin aerator:
An aeratiopn device used to promote the flow of dry bulk powders from a storage vessel.It consist of a pad and mounting kit.

3/8 X 1/8 Aerator with brass insert filter.



Wam 3/4" Aerator

Monitor Evasser:
The single bin aerator operates by continuously introducing air into a mass of stored powder. It is available with a convenient external mounting plate.

Fluidizer:
The Fluidizer aeration pad solves even the most difficult material flow problems by combining aeration with vibration.

Air pads: 3" & 5" Pads for Remco and Ross Butler Aerators.

Remco: Aerator pads

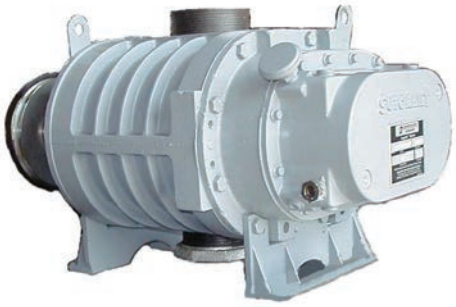
VIBCO's Air Cannons will solve your material flow problem.
The VIBCO Air Cannon consists of a high pressure tank storing compressed air (80 to 125 PSI) and a quick release piston valve that, on command, instantly releases compressed air into the bin or silo to fluidize material. A VIBCO Air Cannon can be used to solve a variety of bin material flow problems:

NOW AVAILABLE FROM VIBCO!
VIBCO Mini-Blaster rapid-fire air cannon replaces ineffective aerators and flutter airsweeps... costs the same as a simple sweeper valve

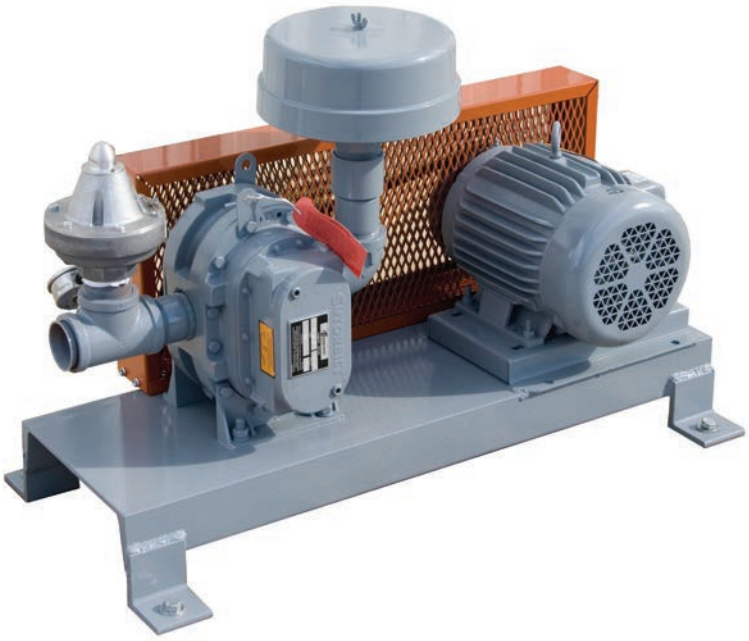
- Light weight & small - just 5.56" tall, 6" wide, 6 lbs!
- Powerful - velocity of 180 ft. per second!
- Tin plated or stainless steel housing

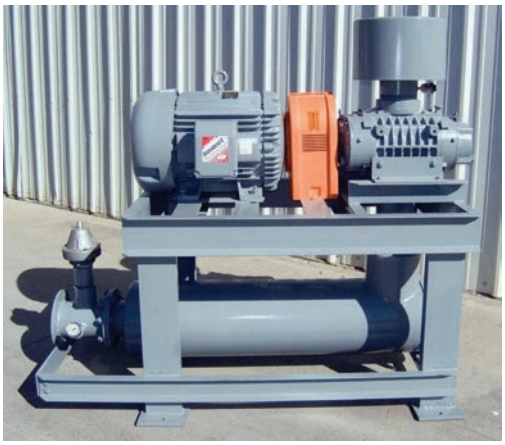
AERATION & BLOWERS

BLOWERS:



Roots, Sutorbilt, Fugi, and Republic Blowers, Rotary-Lobe and Centrifugal Blowers

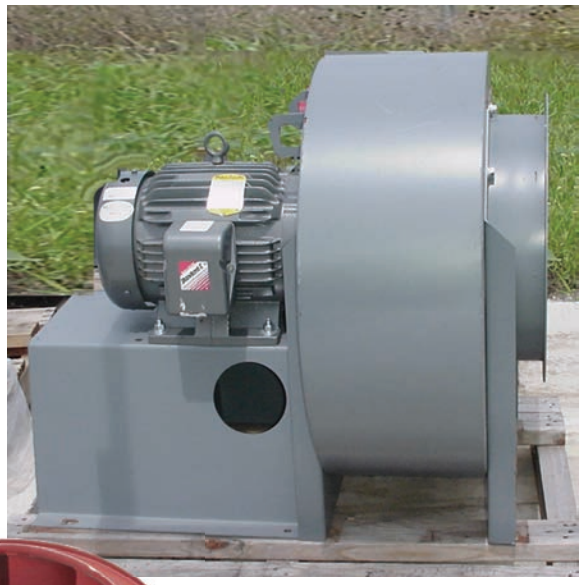


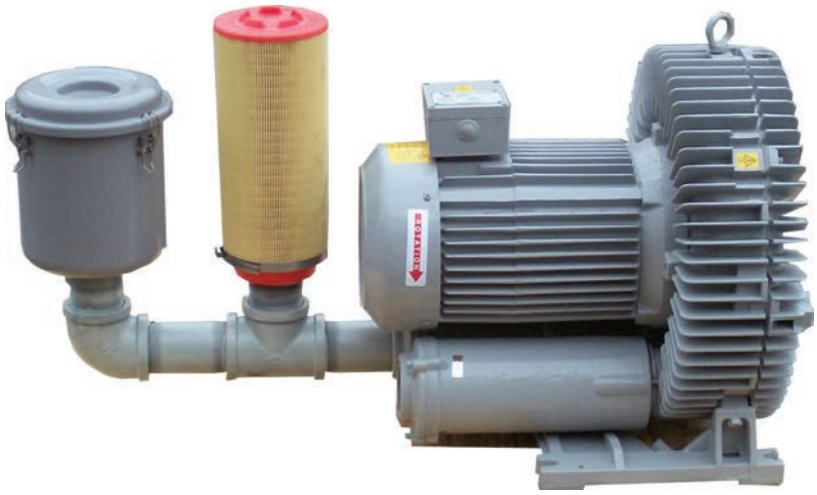


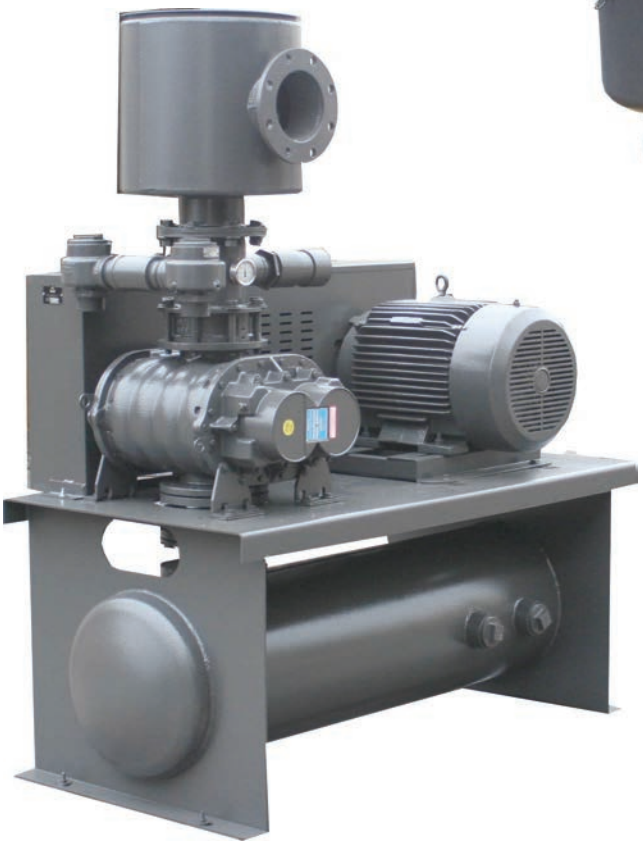
Aeration Systems:
Complete aeration blower packages from 3 H.P to 5 H.P.

Air Mac Blower System:
Complete transfer system for increased productivity and reduced cost. They eliminate the need for blowers on individual tanker trucks, reducing wear on your trucks, decreasing fuel usage, and lowering maintenance cost.

Blowers and Accessories: Buffalo • Chicago • Cincinnati • Hartzell • Northern • Twin city







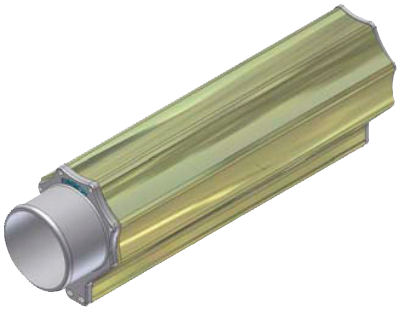
Pressure relief valves

Republic Manufacturing offers a complete line of regenerative blowers also known as side channel blowers for high vacuum or compressed air applications in both horizontal and vertical mounted positions.

Centrifugal air blowers are energy-efficient and inexpensive, especially when compared to compressed air as an alternative. Centrifugal blowers use much less horsepower to create flow, thus using less energy than compressed air.

Blower inler air filters

Republic Air Knife Profile



Aluminum Air Knife

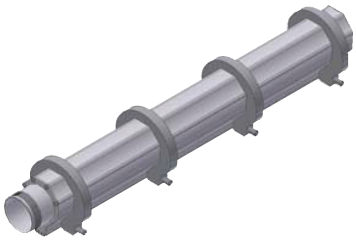
- 6063/T6 Aluminum
- Clear Anodized or Nickel Plated Finish
- 3" Inlet
- Lengths to 18'
- For General Air Knife Applications

Stainless Steel Air Knife

- 316 Stainless Steel
- Grained Stainless Steel Finish
- 2", 3" and 4" Inlets
- Lengths to 14'
- For Corrosive and Sanitary Applications

Air Knife & Nozzle Support Brackets

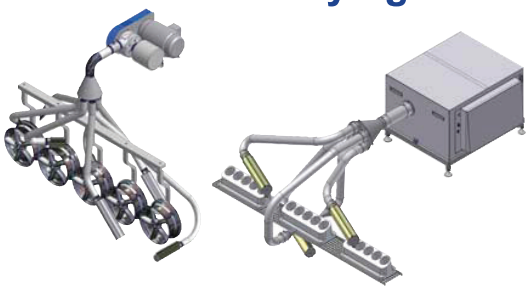
- 304 Stainless Steel Construction
- Brackets Easily Bolt to Existing Equipment
- Fully Adjustable for Any Application
- More Flexible and Convenient than Other Mounting Designs



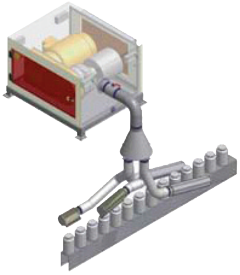
Non-standard Air Knife

- Custom Air Knives for Any Application
- Stainless Steel, Aluminum or Any Other Material
- Unique Shapes and Sizes to Fit Each Application
- Call a Republic Representative for Details

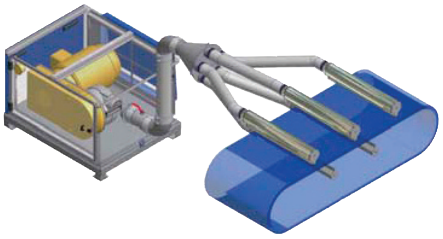
Parts Drying



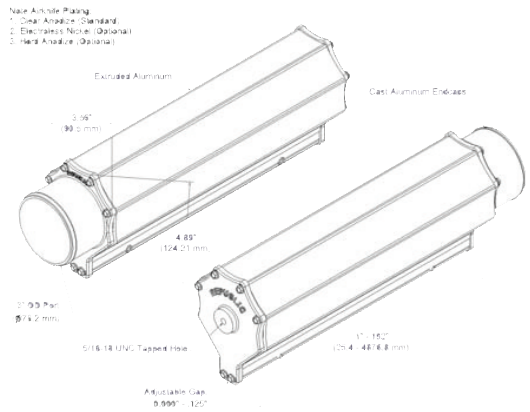
Bottle & Can Drying



Steel Strip Drying & Conveyor Cleaning



Republic Air Knife Profile



A	B	C (Port Dia)	Material
2-3/8"	3-7/16"	2"	Aluminum or Stainless Steel
3-1/2"	4-3/4"	3"	Aluminum or Stainless Steel
4-9/16"	6-11/16"	4"	Stainless Steel

Accessories

- Stainless Steel Nozzles
- Stainless Steel HEPA Filters for Clean Room Environments
- Stainless Steel Y-branches, Elbows, Hose Clamps, and Piping
- Stainless Steel Air knife Support Brackets
- Stainless Steel 3, 4, 5 and 6" Outlet Manifolds
- Air knife and Blower/Motor Enclosures Available in Painted or Stainless Steel Design

Design & Construction

- Standard Aluminum Finish: Clear Anodized
- Optional Finish: Nickel Plated
- Stainless Steel Finish: Grained Stainless Steel
- Uninterrupted Air Slot Across the Entire Length. Gap: .001 - .125
- Available with Middle or Offset Inlets
- Custom Designs Available

Applications:

- Parts Drying
- Bottle/Can Drying
- Food Product Drying
- Conveyor Belt Cleaning/Drying
- Static Control
- Debris/Dust/Liquid Blow-off
- Coating Control of Primers, Glue, Adhesives and Inks
- Plastic Sheet/Film/Wire
- And Many Others

Advantages

- Low Energy Consumption
- Provides a Dry, Clean and Oil-free Air Stream
- Inlet Side of the Blower is Filtered to Prevent Particle Contamination
- Safe–Low Pressure (4.0 psi), Unlike Compressed Air Systems
- Allows for Increased Production Speeds or Levels, Thus a Quick Payback
- Capable of Drying Products at Several Times the Distance of a Slotted Tube Air Knife
- Reduced Sound Levels When Compared with a Compressed Air Nozzle or a Round Tube Design

Gum Rubber , Vinyl , Vinyl Coated Nylon , Silicone High Temp. Neoprene Black Oil Resistant , White Nitrile for Food Industry.

Custom Gum Rubber Boots

Custom Vinyl Boots

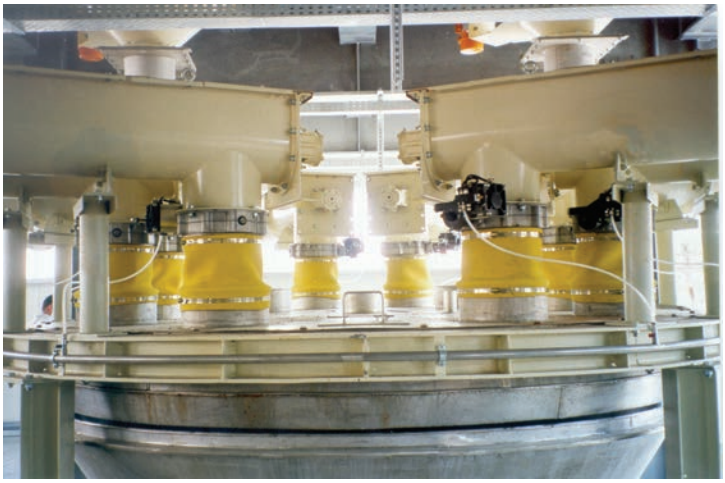
Screw Conveyors:
Wam Screw conveyors are especially designed for cement and flyash with modular construction. Heavy-duty direct drive gearbox, all splined connections, special designed intermediate bearings, and swivel spouts for adjustable inclination.

Motor with Gearbox

Intermediate Hangar Bearing

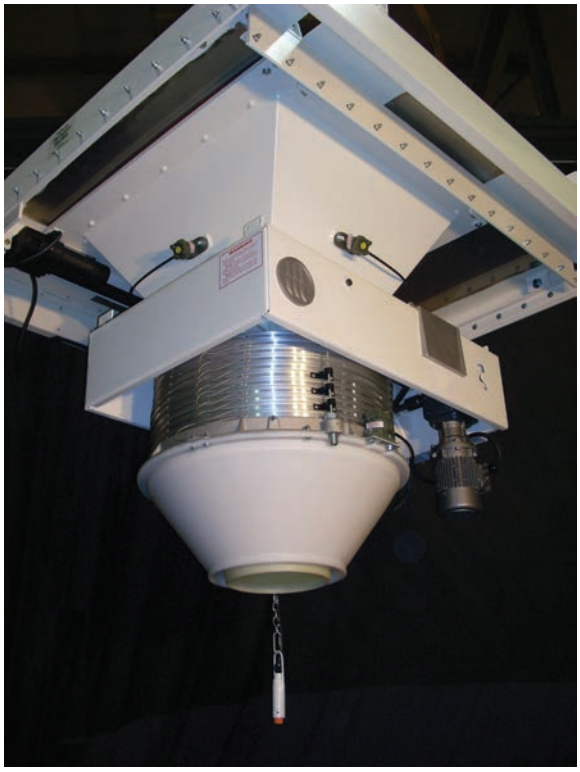
Swivel inlet or outlet spout

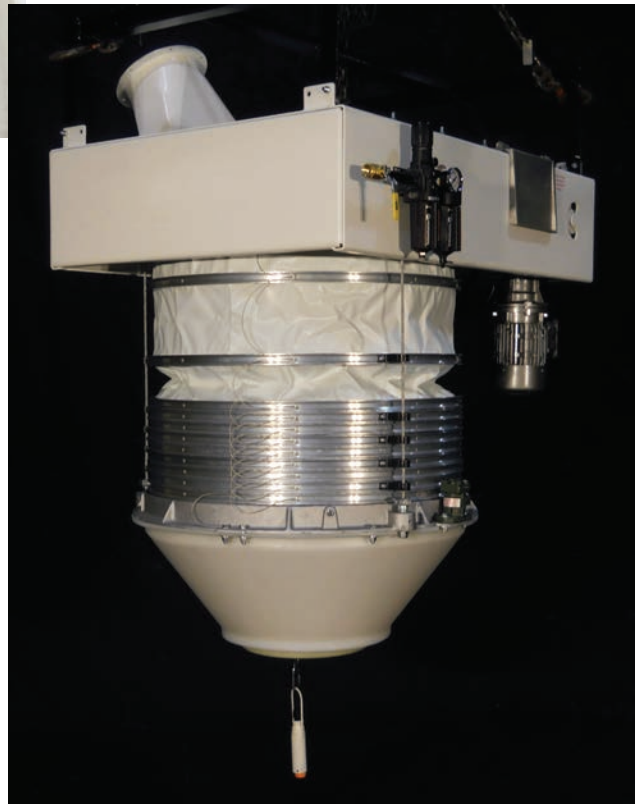
Trough Screw Conveyor:
Trough type screw conveyors for larger and any varying types of materials.



LOADING SPOUTS

We offer loading spouts with dust free loading of trucks, railcars, stock piles and barges.
Open loading and enclosed loading models, spout positioners, filter modules, and gates & valves.





CONCRETE PLANTS

We represent Inventure Systems to provide you with solutions to fit your product needs with reliable,safe, efficient and environmentally friendly plants.

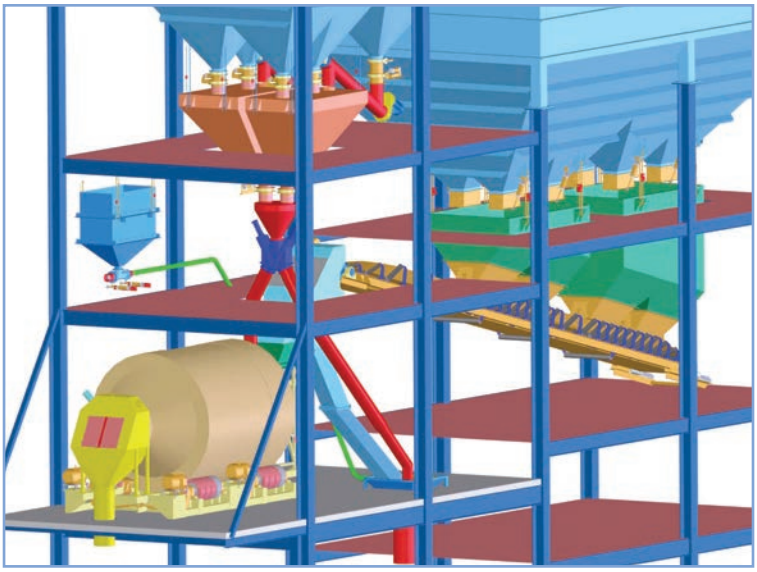
Whether it is a retrofit or a turn-key project Inventure's engineering team will pay full attention to your needs. When planning a new plant all alternatives are taken into consideration, sometimes being able to use existing equipment to optimize your investment.

Designs are created in 3D modeling avoiding interferences and problems with assembly at the time of installation. We can also provide complete turn key projects with site layout, engineering of civil works, permit drawings, mechanical and electrical installations, as well as start-up.

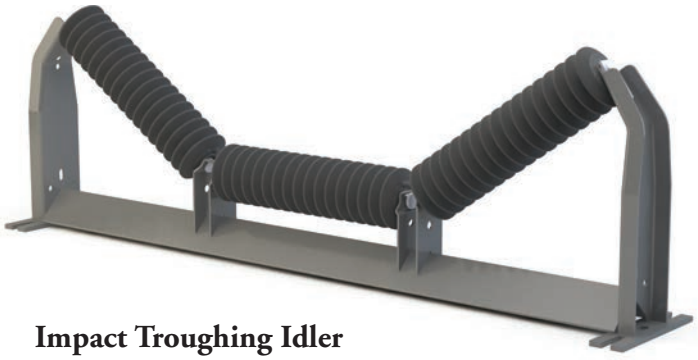
- **Ready Mix**
- **Precast**
- **Retrofit**
- **Central Mix Plants**
- **Dry Batch Plants**
- **Central Mix with Dry Batch By-Pass**

INVENTURE

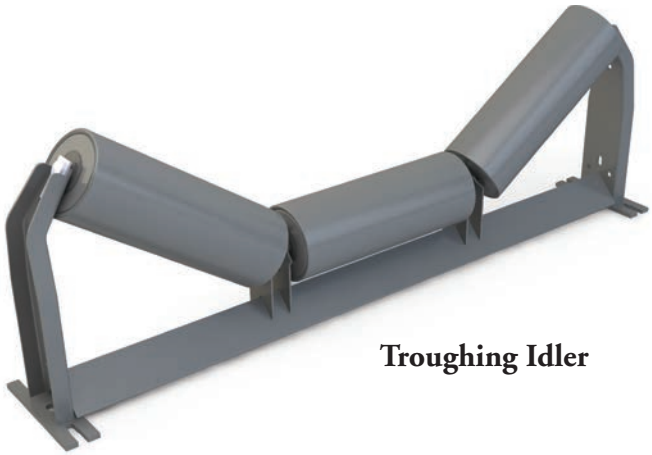
CONCRETE PLANTS



Representing Precision Pulley & Idler Conveyor Products who has been providing belt conveyor idlers for 40 years. We at C & G Equipment provide only the highest quality components in the conveying industry while our customers need involvement, responsiveness, credibility and follow-through. Our goal is to offer our customers more than just the best products and service but a level of professionalism beyond our customer's expectations.

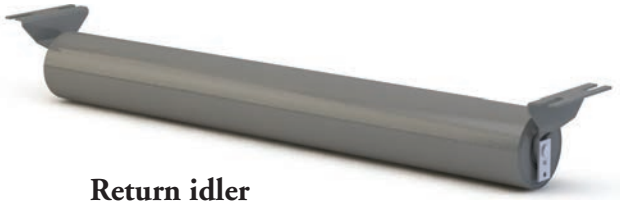


Impact Troughing Idler

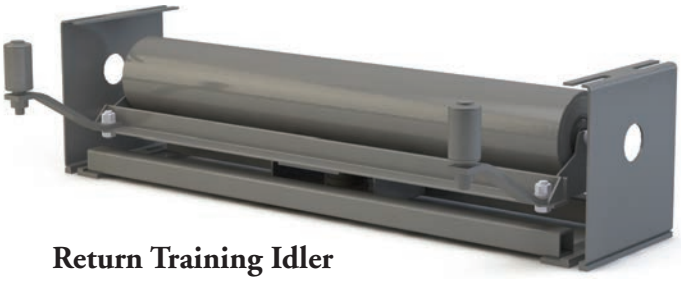


Troughing Idler

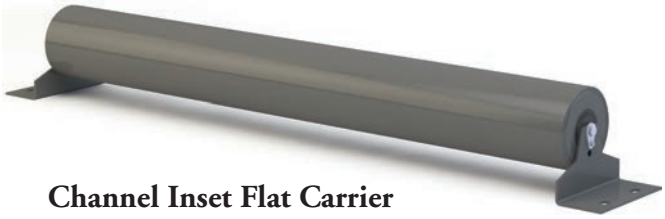
Troughing Training Idler



Return idler



Return Training Idler

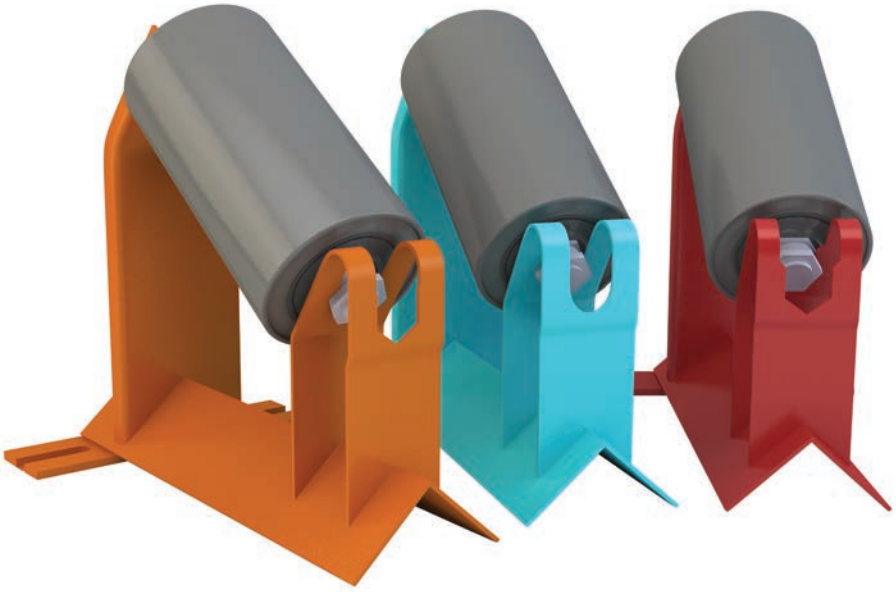


Channel Inset Flat Carrier

Impact return Idler

Self-Aligning Inverted V-Return

Retro Rolls PPI Retro Rolls allow you to use our proven idler rolls in other manufacturer's frames.



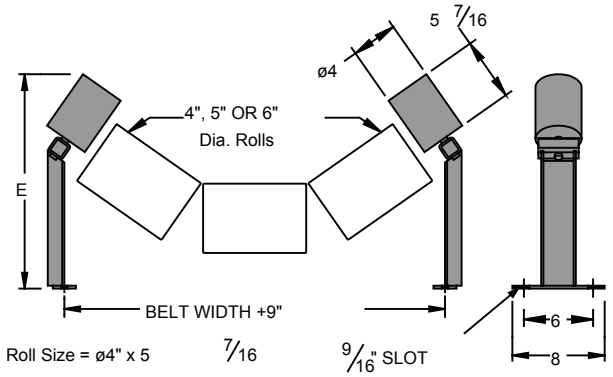
Pro Trainer

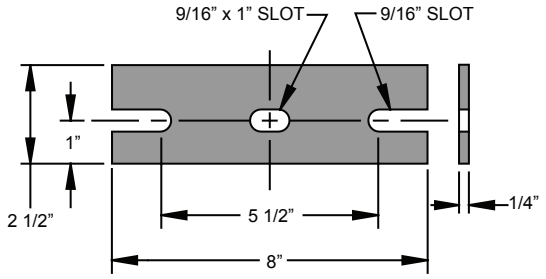
PPI's Pro Trainer was designed to actively train a conveyor belt while operating on the clean side of the belt. Training a belt on the clean side offers significant advantages compared to traditional return self aligners by eliminating the potential of material carry back building up on the roll negating the training characteristics. Clean side training combined with guide rolls positioned in such a way that minimizes belt misalignment before engaging the lagged training roll, provides unmatched belt alignment.

Guide Rollers

C & G supplies a 2-1/2" Dia. X 6-7/16" Long Urethane Guide Roller with a 3/4" Shaft Dia.

GUIDE ROLLERS



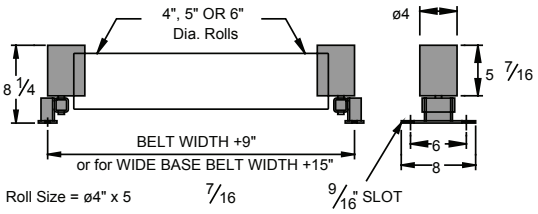


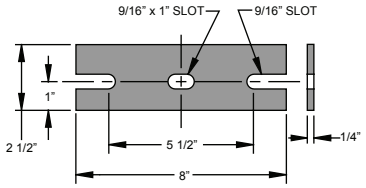
GRT - GUIDE ROLLER TROUGHED BELT WITH MOUNTING BRACKET

Belt Width	20° Trough				35° Trough				45° Trough			
	Description	Part Number	Height "E"	WT	Description	Part Number	Height "E"	WT	Description	Part Number	Height "E"	WT
14	GRT-20-14	13911	11 13/16	7	GRT-35-14	14161	13 13/16	7	GRT-45-14	23390	14 13/16	8
16	GRT-20-16	13912	11 13/16	7	GRT-35-16	14162	13 13/16	7	GRT-45-16	23391	14 13/16	8
18	GRT-20-18	13900	13 11/16	7	GRT-35-18	14110	16 1/8	8	GRT-45-18	23392	17 1/8	9
20	GRT-20-20	13960	14	7	GRT-35-20	14170	16 5/8	8	GRT-45-20	23393	17 5/16	9
24	GRT-20-24	13910	14 7/16	7	GRT-35-24	14120	17 3/8	9	GRT-45-24	23394	18 11/16	10
30	GRT-20-30	13920	15 3/16	8	GRT-35-30	14130	18 5/8	9	GRT-45-30	23395	20 3/16	10
36	GRT-20-36	13930	15 15/16	8	GRT-35-36	14140	19 3/16	9	GRT-45-36	23396	22 1/16	14
42	GRT-20-42	13940	17 1/16	8	GRT-35-42	14150	21 1/2	10	GRT-45-42	24570	24 5/8	15
48	GRT-20-48	13950	17 13/16	9	GRT-35-48	14160	22 3/4	10	GRT-45-48	23397	25 1/16	16
54	GRT-20-54	28040	18 1/2	9	GRT-35-54	14163	23 15/16	14	GRT-45-54	23398	26 11/16	17
60	GRT-20-60	13913	19 1/8	9	GRT-35-60	14164	25 1/8	15	GRT-45-60	22740	28 1/8	18
72	GRT-20-72	13914	20 11/16	10	GRT-35-72	14165	27 9/16	17	GRT-45-72	23399	31 1/8	20

GRF - GUIDE ROLLER FLAT BELT WITH MOUNTING BRACKET

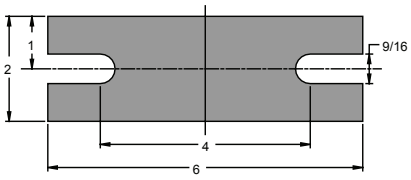
Part Number	WT
GRF	6

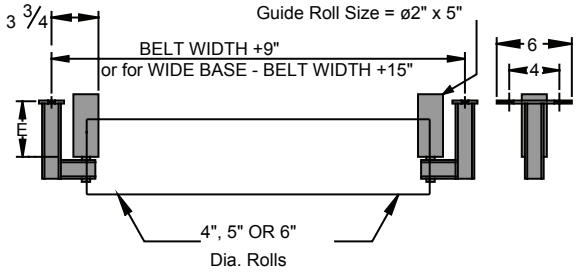




GRR - GUIDE ROLLER RETURN WITH MOUNTING BRACKET

Part Number	Drop "E"	WT
GRR	4 1/2	6
GRR-1	1 1/2	5





Guide rollers above are sold individually, not by the pair. Guide rollers to be set clear of the belt edges so as to restrain the belt only when it strays. Guide rollers are not intended for use as belt training devices. Constant roller contact with the belt could result in belt and roller damage.

Return Roll Guards

The **PPI** Return Roll Guard provides a barricade at the pinch point created by the belt passing over a return roll. The 1 1/2" or 4 1/2" mounting brackets provide easy installation on 4", 5" or 6" rolls utilizing the return bracket's mounting bolts. While normally used on return rolls with seven feet or less vertical clearance from the ground or decking, it may be used on any return roll.

Douglas Guardian 3

The patented Guardian3 is the best tool on the market to enhance the safety of your conveyor. Accept no substitutes and cut no corners when it comes to the safety and well being of your most important assets... your people. Trust the Guardian3.

Guard Panels are a simple to install safety solution. You can keep rolls of our Guard Panels in stock at your site to quickly fulfill MSHA determined requirements. The yellow, UV resistant material we use for our Guard Panels can be easily cut and trimmed to fit the areas that you need covered. Our 100×4 foot side guard rolls come in ¼ inch mesh and our 50×4 foot bottom Guard Panels come in ¾ inch mesh. We make installation of our Guard Panels even easier by including self-tapping screws and washers, shipping the all-in-one package to you ready to be fitted on your machinery.

LOAD ZONE

CONVEYOR BELT SUPPORT SYSTEMS

PPI is proud to offer the medium duty impact bed; a cost effective solution for your impact and loading zone requirements. This bed is an ideal combination of impact absorption and belt support that promotes a tight seal against your skirting system. A modular design, available in 2', 4' and 5' lengths with foldable wings allow the user to configure to their unique needs.

FEATURES AND BENEFITS

- Simple, cost effective way to provide continuous support of your conveyor belt against the skirting material
- Ultra-high-molecular-weight (UHMW) slider rails for skirt board sealing
- No moving parts
- Seals skirt boards in loading zone to reduce spillage
- Supports conveyor belt in loading zone
- C-Channel frames for increased strength
- Fold-down wings for ease of maintenance
- Modular design allows multiple units to be fitted end-to-end to form the length needed
- Match center-roll height of CEMA C and D idlers • Available in belt widths from 18" through 72"

2' Impact Bed

4' Impact Bed

5' Impact Bed

Belt Conveyors Hoods

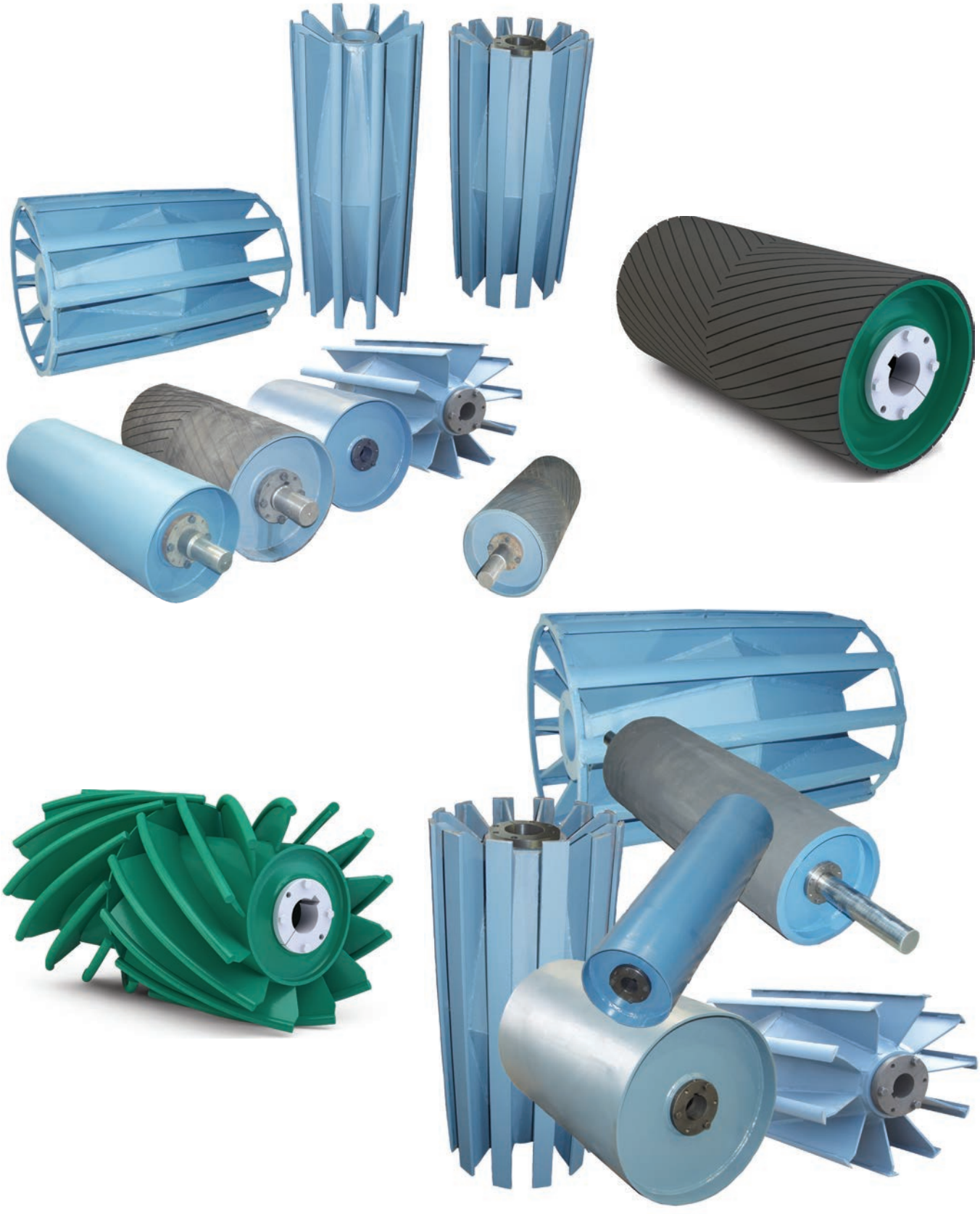
Hoods are designed to protect the belt, material and idlers from the weather. Cover sections are supported on bands of heavier gauge steel or aluminum, easily opened and closed by one man. The support bands bolt directly to the foot brackets, which are then, bolted to the top of the channel stringers or top chords of truss frames. This simple design lowers the cost and time of field erection.

Standard style "A-1" belt conveyor hoods consist of cover sections supported on bands spaced at 4' - 0" centers.

- Galvanized from stock in 18" through 48" belt sizes
- Optional aluminum construction
- Quick opening
- Easily installed

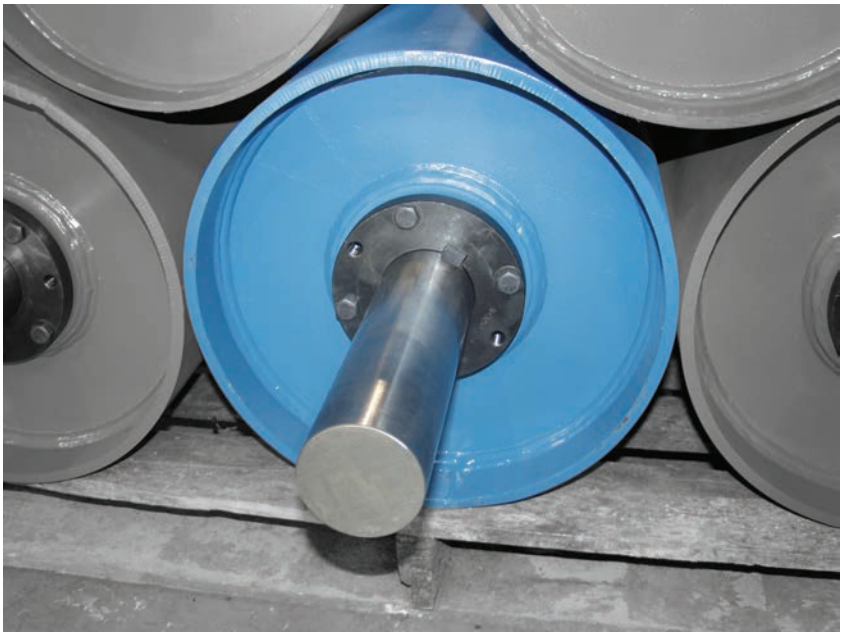
PULLEYS

Our Pulleys are manufactured by America Pulley & PPI and all products meet or exceed Conveyor Equipment Manufactures Association standards C (Cema) for Bulk Material Handling. The methods of manufacture are modern and each pulley is checked for quality. End disc and Rim thickness are selected and pre engineered by computer generated program. Often times our pulleys will employ additional center disc, ring stiffeners, or increased bushing sizes etc.



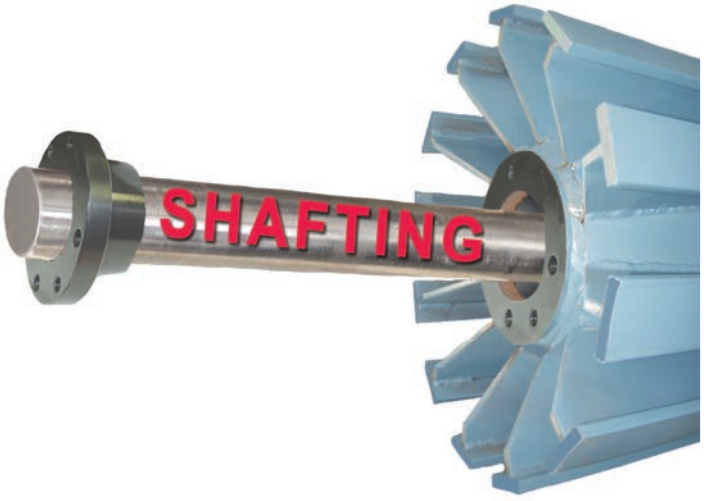
SHAFTING

American Pulley & PPI manufactures shafts for pulley assemblies. All shafting is 1045 steel for minimum deflection and strength. Keyways are cut under bushings where required and factory assembled to insure quality and compatibility. Alloy and special shafts will be supplied as required.

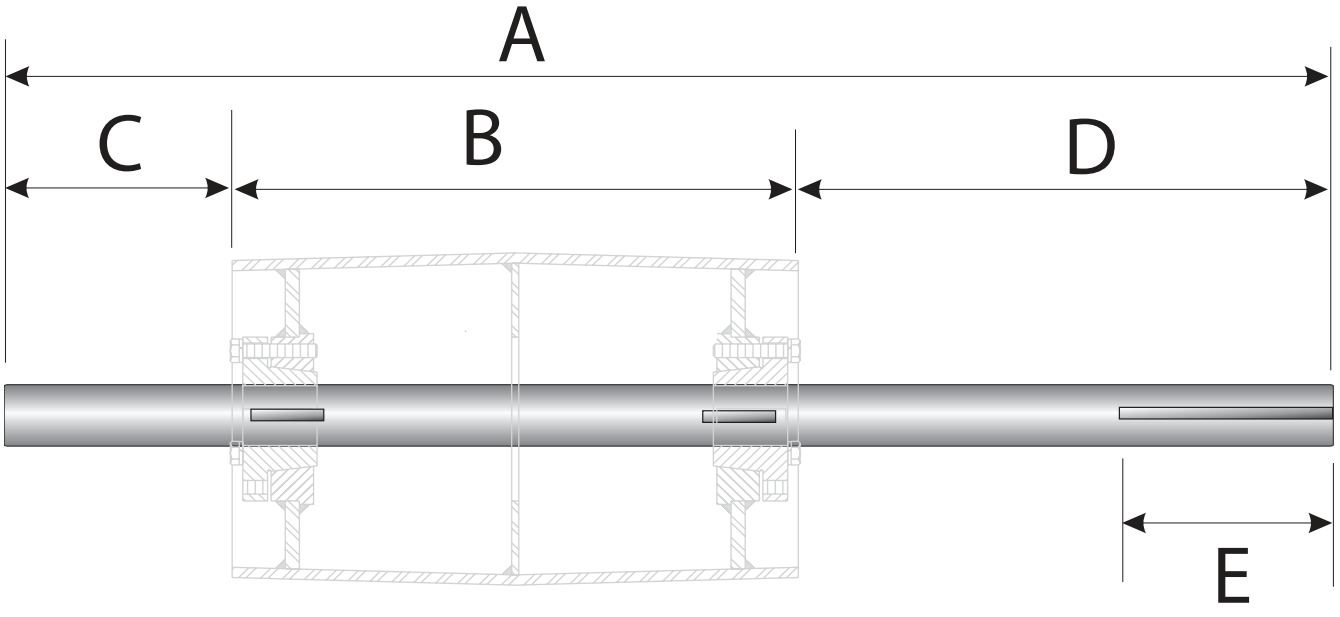


American Pulley

PPI Precision Pulley & Idler



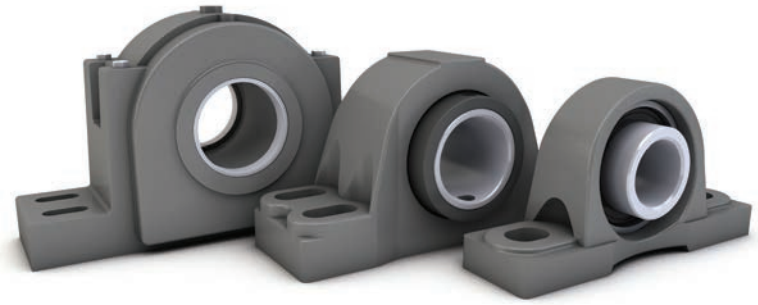
A - Overall Length • **B** - Pulley Length • **C** - Length from Pulley to Shaft End
D - Length from Pulley to Drive End • **E** - Keyway Size and Length



BEARINGS & TAKEUPS

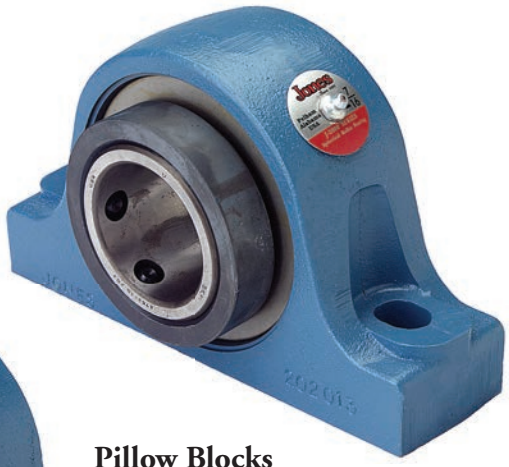
Jones is a full-line manufacturer of mounted spherical roller bearings and standard and heavy duty takeups.

- High Quality USA Made Spherical Roller Bearings
- Internal Misalignment
- Triple Labyrinth Seal
- Collar Mounted
- Interchanges with Most Major Brands



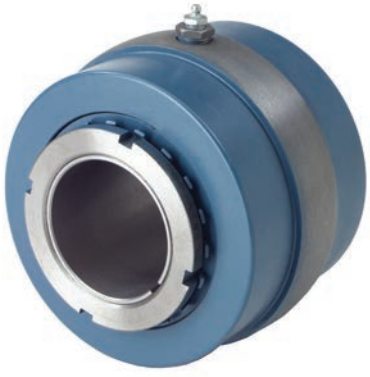
PPI Bearings

Flanged Bearing



Pillow Blocks

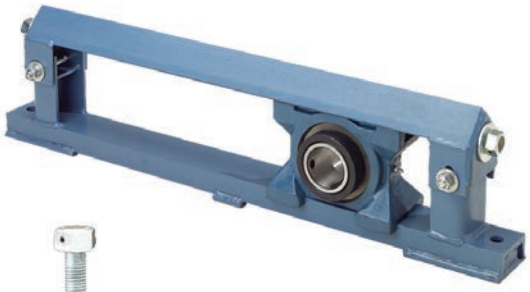
Piloted Flanged

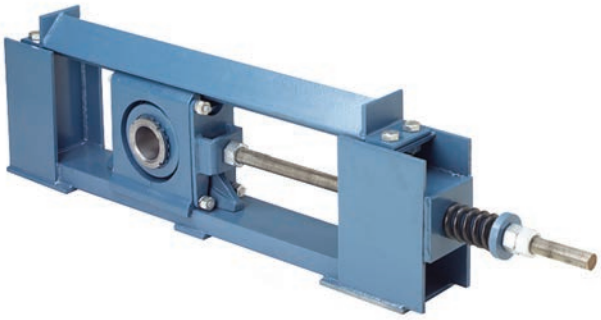


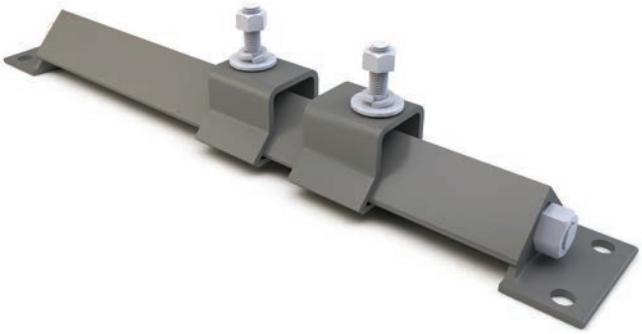
Heavy Duty Spherical

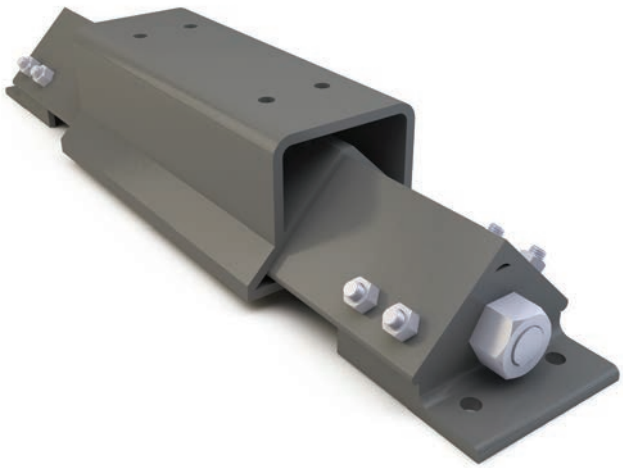
Takeup Blocks

- Normal Duty Takeups
- Protected Screw Takeups
- Center Pull Takeups
- Extra heavy Duty Takeups
- Pillow Block Takeups



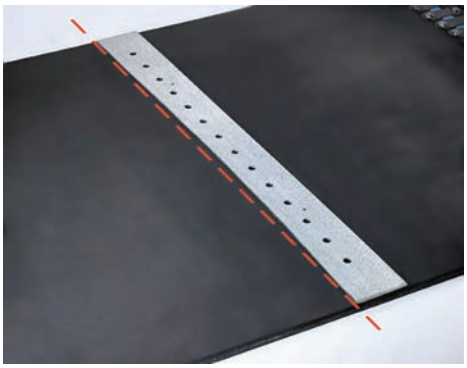






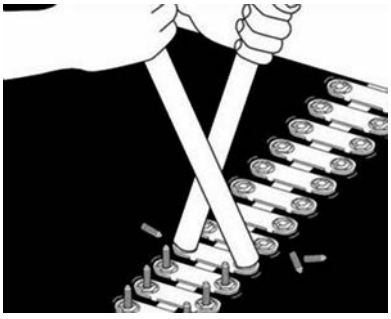
BELTING

We represent Metso Belting which has a wide range of conveyor belting to satisfy the rigorous demands of aggregate production and recycling operations. Trellex aggregate belts are the product of more than 100 years experience in development, manufacturing and applications know-how.



FLEXCO
Belt fasteners & Accessories

We can supply all Flexco belt fasteners and tooling.



BELT WIPER SYSTEMS

Argonics' conveyor belt scrapers provide unrivaled cleaning power and durability.

Primary Wiper Systems

Micro Eraser™

- 5 1/2" V5™ Raptor blade
- For low-clearance areas
- For conveyor belts running at 400 fpm or less
- Works best on belts up to 48" wide with head pulley diameters of 28" or less
- Available with Safe Torque™ ratchet system
- 3/16" thick, 2"×2" heavy-duty mainframe
- Galvanized schedule 80 stub ends
- Single-pin, quick-change blade mount
- Perma-Torque™ tensioner

Eraser™

- 7 1/4" V5™ Raptor blade
- Standard industrial cleaning system
- For belts running at 500 fpm or less
- Can be used in a Dual Primary setup, giving you twice the cleaning power
- Safe Torque™ ratchet system comes standard
- ¼" thick, 3"×3" heavy-duty mainframe
- Galvanized schedule 80 stub ends
- Single-pin, quick-change blade mount
- Perma-Torque™ tensioner

Eraser HD™

- Segmented blade combats crowned head pulleys and heavy vibration
- Uses multiple 6" wide × 8" tall Raptor blades
- Has a reinforced mainframe and heavy-duty channel attachment design
- Slide blade mount with galvanized holders
- Safe Torque™ ratchet system comes standard
- ¼" thick, 3"×3" heavy-duty mainframe
- Galvanized schedule 80 stub ends
- Single-pin, quick-change blade mount
- Perma-Torque™ tensioner

Super Eraser™

- 12" Raptor blade gives superior strength
- Mine duty cleaner with a ¼" thick, 3½"×3½" box steel mainframe
- Built for high-speed, high-tonnage belts
- Galvanized schedule 160 stub ends
- Single-pin, quick-change blade mount
- Safe Torque™ ratchet system comes standard
- Perma-Torque™ tensioner

Super Eraser HD™

- Segmented blade uses multiple 12" Raptor blades
- Designed to combat crowned head pulleys with heavy vibration in harsh environments
- Mine-duty, channel-mount version of the Super Eraser
- Galvanized schedule 160 stub ends
- Slide blade mount with galvanized holders
- Safe Torque™ ratchet system comes standard
- Perma-Torque™ tensioner

Eraser PQ™

- Ideally suited for pit and quarry applications
- Economical yet designed for performance and reliability
- Effective cleaning performance with a 6” (152 mm) tall polyurethane blade
- Easy to install and tension and requires little to no maintenance.
- Offers a simple and effective spring tensioning unit – keeping consistent pressure against the conveyor belt
- Single pin blade attachment means quick and simple blade change out with less downtime

Secondary Wiper Systems

Argonics' conveyor belt scrapers provide unrivaled cleaning power and durability.

Super-G™

- For extremely wet carryback
- Unique pass-through mainframe allows material to fall through freely
- Available with polyurethane or tungsten carbide blade
- Based on the same heavy-duty mainframe as the Eraser system
- Galvanized schedule 80 stub ends
- Single-pin, quick-change blade mount
- Safe Torque™ ratchet system comes standard
- ¼" thick, 3"×3" heavy-duty mainframe
- Perma-Torque tensioner

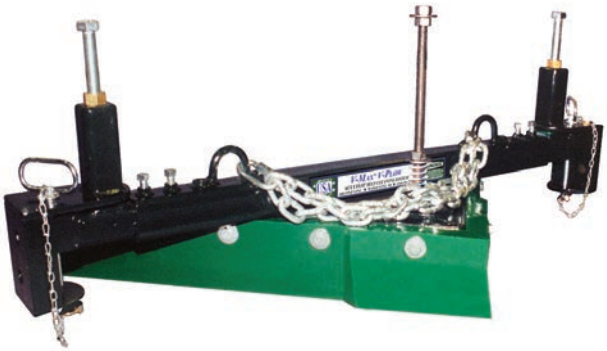
XTC™

- For wet or dry, sticky or slimy environments on normal or reversing belt applications
- Polyurethane, tool steel, stainless steel or tungsten carbide blades available
- Web Torque™ tensioner

Tertiary Wiper Systems

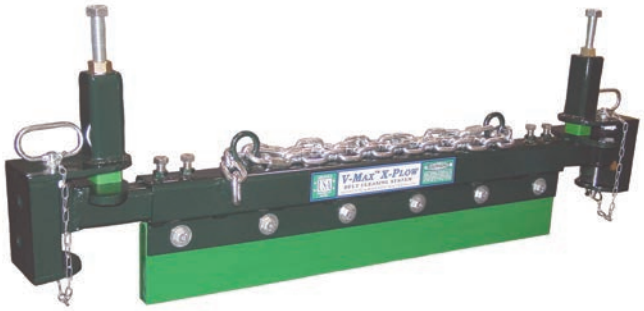
Argonics' conveyor belt scrapers provide unrivaled cleaning power and durability.

V-Max V-Plow



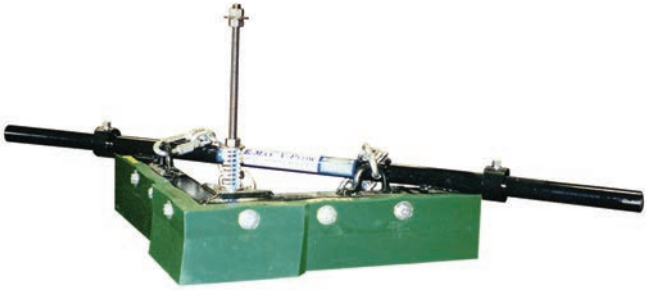
- Keeps debris from getting to pulleys
- Designed to meet demands of largest quarry plants
- Scalps the belt clean with adjustable downforce
- Extra heavy duty nose cone blade
- Comes with safety chains and nose cone support
- ¼" thick, 2½"×2½" heavy-duty frame
- Vanadium die spring tensioners

V-Max X-Plow



- Keeps debris from getting to pulleys
- Adjustable down pressure system
- Comes with safety chains
- Telescoping stub ends allow for easy mounting
- ¼" thick, 2½"×2½" heavy-duty frame
- Vanadium die spring tensioners

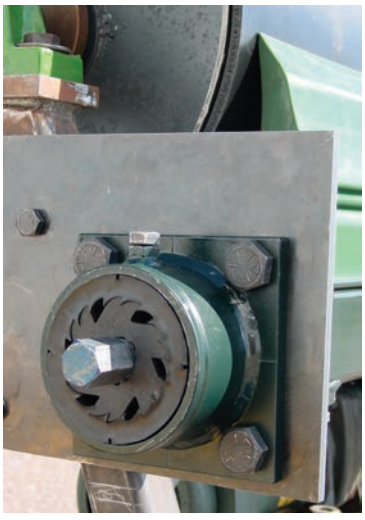
E-Max V-Plow



- Keeps debris from getting to pulleys
- Economical solution for budget-conscious who want protection of a V-Plow
- Chains and nose cone support are optional
- Extra heavy duty nose cone blade
- C3X5 channel steel mounting brackets
- ¼" thick, 2"×2" heavy-duty frame
- Locking collars

Belt Wiper Tension Systems

Argonics belt wipers are available in the standard pin style adjustment and the new Safe Torque. The Safe Torque system is a unique solid urethane ratchet adjustment device, specifically designed to work in conjunction with our patented Perma-Torque tensioning system.



The Safe Torque ratchet system offers the unique ability to tension a conveyor belt cleaning system with one hand, and is extremely useful in confined areas. The dust caps seals the system from fine particle contamination, common to many tensioners on the market.

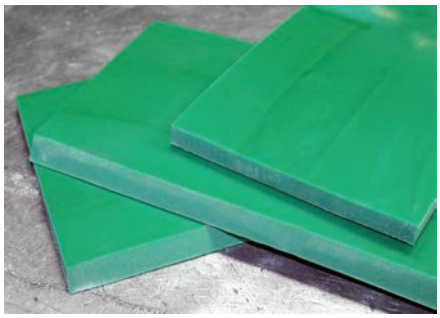
Replacement Blades

- Designed to outlast your original equipment blades by meeting or exceeding the original manufacturer's cleaning and wear requirements
- Retrofit a majority of the conveyor belt cleaners on the market today
- Made of high performance Kryptane polyurethane
- Heavy duty aluminum inserts
- Multiple formulations
- MSHA and FDA food grade formulations available
- Some secondary blades are available with tungsten carbide tips

Skirting Products

Rubber & Polyurethane Belt Skirting

- KS01 skirting is designed to provide solutions for sealing belts in environments from wet clay to frozen coal
- Extremely resilient, outlasting rubber and UHMW polyethylene
- Available in 4", 5", 6", 8", 9", 10" and 12" widths with thicknesses ranging from 3/8" to 2", and lengths up to 50'
- Available with straight or 20°, 35° and 45° beveled edges
- 8 to 10 times the wear life over quality rubber skirting
- MSHA-accepted, flame-retardant formulas available



Wedge-Loc Skirting System

- Maintenance-friendly design installs quickly and easily by either welding or bolting into place
- Quickest adjustment of any skirting system in the industry
- Comes standard with Argonics' ½"x5" beveled green polyurethane skirting
- Solid galvanized 12 ga steel mounting rail
- Accepts skirting thicknesses from 3/8" to 1"
- Easy-access hinge design reduces maintenance time

Snap-Loc Dust Seal System

- Straight-forward, simple solution to dust containment and control
- Maintenance-friendly design installs quickly and easily
- It applies downward pressure onto belt's surface to create a tight seal
- Continues to self-adjust throughout the life of the dust seal, so there is no need for manual adjustment
- Reduces drag on conveyor system, up to 60% less than rubber seals
- Available in continuous lengths up to 60'
- Quick weld- or bolt-in installation
- MSHA-accepted, flame-retardant formulas available
- Tear-resistant

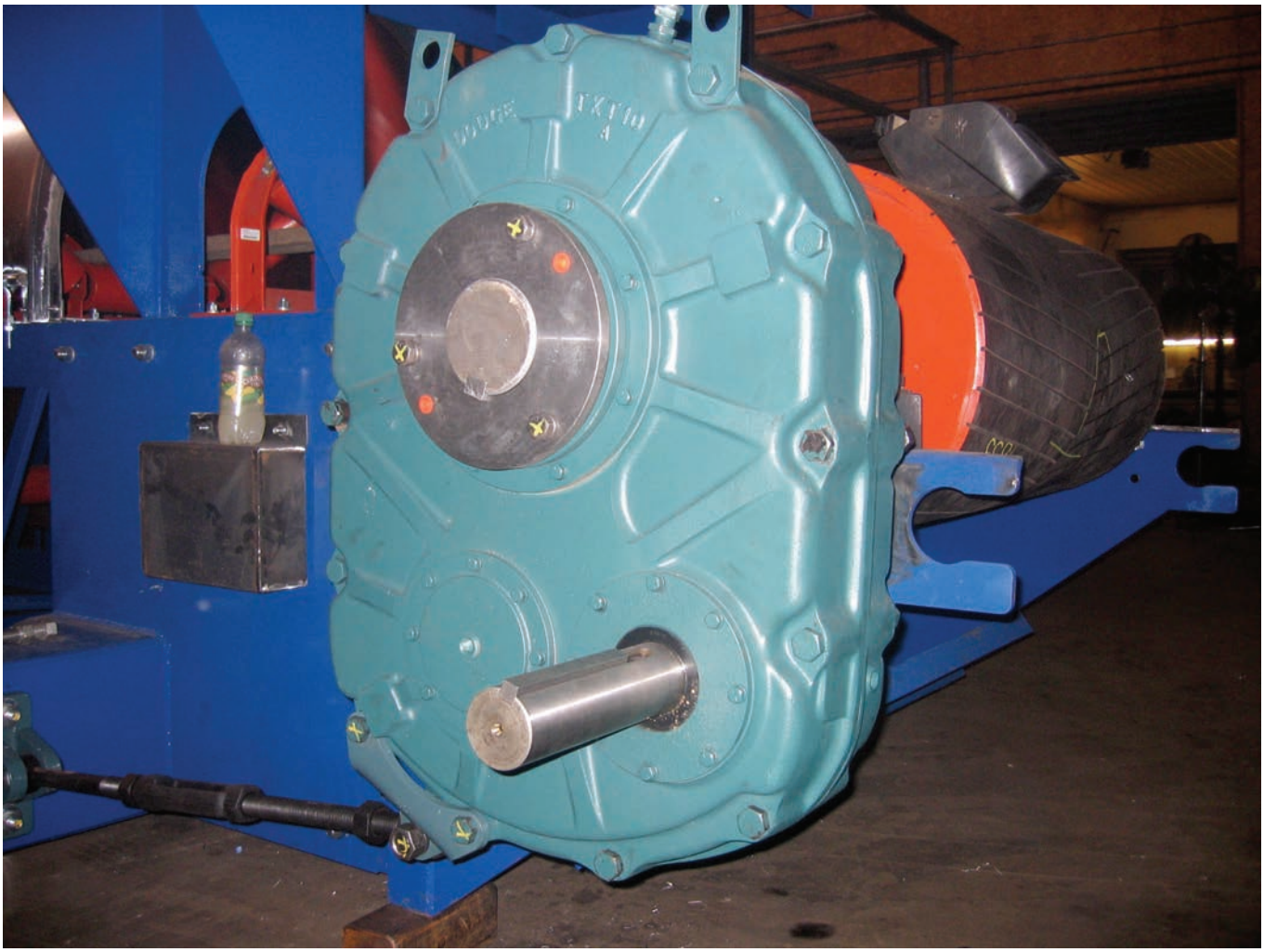
Fold-n-Seal Skirting

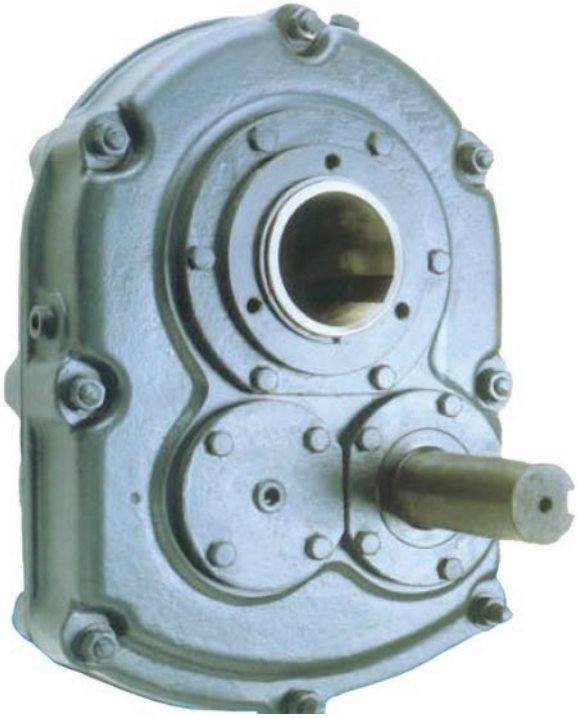
- Fits into most other clamping systems
- Available as a system with Wedge-Loc mounting rail
- Two-part skirt featuring a ¾" primary seal combined with a flexible secondary seal to keep material and dust contained on belt
- Available in Front Line™ flame-retardant urethane which is MSHA approved for underground mine use
- Solid galvinized 12 ga steel mounting rail
- Easy-access hinge design reduces maintenace time
- Accepts skirting thicknesses from 3/8" to 1"
- Quick weld- or bolt-in installation

GEARBOXES

Dodge ,Browning, Link Belt and Falk

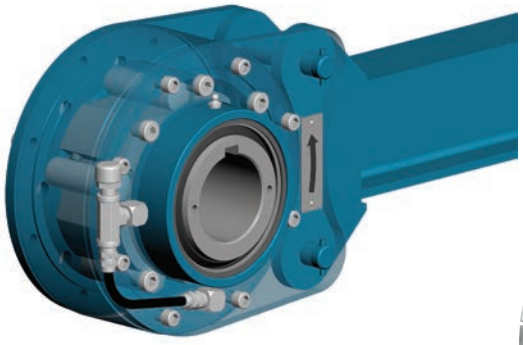
Shaft Mounted Drives • Speed reducers • Seal Kits

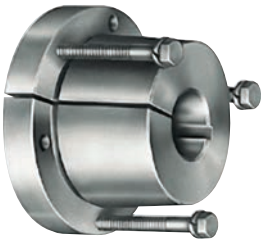




GEARBOX ACCESSORIES

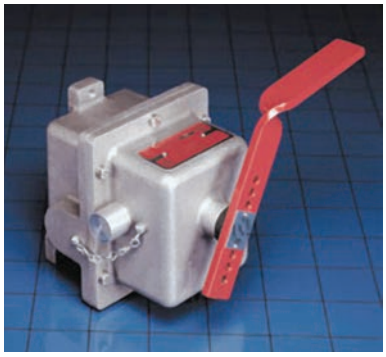
Sheaves, Sprockets, V-Belts, Bushings, Roller chain, Hold Backs





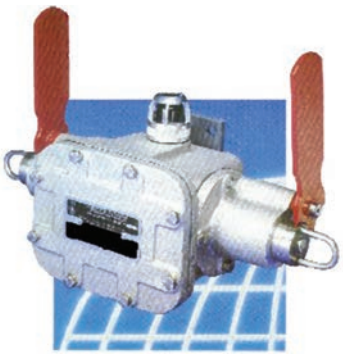
CONVEYOR SWITCHES

Model RS



The Model RS is a heavy-duty safety control that provides a positive shut off of dangerous equipment in an emergency. A cable pulled by endangered personnel actuates the control. The output contacts of the Model RS-2 can control up to two seperate circuits, one for machinery shutdown and one for an alarm.

Model PC



The Model PC is a rugged compact safety switch that provides a quick positive shut off of dangerous equipment in emergencies or normal operation. It is actuated by cable pulled by endangered personnel. The output contacts of the Model PC can control up to two separate circuits, one for machinery shutdown and one for alarm.

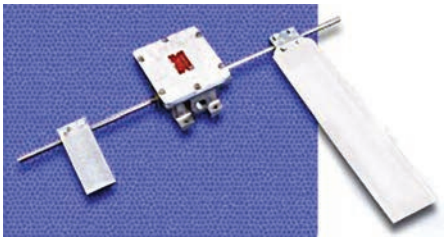
Model RSC

The Model RSC is a compact safety switch that provides a positive shut off of dangerous equipment in an emergency or for normal operation. A cable pulled by endangered personnel actuates it. The output contacts of the Model RSC can control up to two separate circuits, one for machinery shutdown and one for an alarm. Two versions of the Model RSC have the built-in advantage of cable break detection. Another version acts as a standard cable pull switch, while a fourth version is a palm button (only) for punch presses and other indoor equipment.

Model TA

The Model TA is a belt mis-alignment control that provides an indication when a conveyor belt has drifted off to a dangerous misalignment condition. The output contacts of the Model TA can control up to two separate circuits, one for machinery shutdown and one for an alarm.

Model FS



The Model FS is designed to provide indication of presence or absence of dry bulk material on a conveyor belt. Each unit is equipped with one or two output micro-switches which can provide a positive shut off. The output contacts of the Model FS can control up to two separate circuits, one for machinery shutdown and one for an alarm.

Model BA

The Model BA is a heavy-duty conveyor belt mis-alignment switch that either provides an indication or a shut off of the conveyor during a drift condition in order to prevent further damage to the conveyor belt. The output contacts of the Model BA can control up to two separate circuits, one for conveyor shutdown and one for an alarm.

Model VA

The Model VA is the newest belt alignment control specifically designed for use with bucket elevators. The unit is typically used in pairs to provide protection to both sides of the elevator leg, and indicates when the vertical belt strays or drifts beyond acceptable limits. After such time, the unit will trip an output to indicate a problem, or can be used to shut down the leg until inspection and correction is provided.

RADIO REMOTE CONTROL SYSTEMS

Our Wampfler systems provide three different models of radio controls to best meet the specific needs of our customers. All models are produced with AUTEC's unique code key principle whereby each transmitter has its own embedded serial number - unique in the world and completely tamper - proof. Only the receiver which contains the matching serial number will respond to its commands.

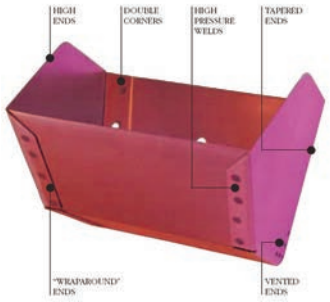
CONTROL CHIEF
WIRELESS SOLUTIONS

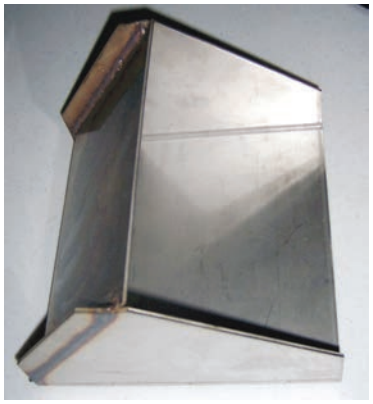
For over 45 years **Control Chief** Corporation has been the leader in designing, manufacturing and servicing Industrial Remote Control, serving a wide variety of industries.

INDUSTRIAL BUCKET ELEVATORS

THE MOST VERSATILE BUCKET ELEVATOR

Used for a wide range of products and many applications. Fully spaced buckets easily accommodate larger particle sizes. Setting the standard for the industry, dependable Sweet® Centrifugal Discharge and Continuous Discharge Elevators on belt and chain.





AIR GRAVITY CONVEYING

System uses the forces of gravity to do most of the work without any moving parts. Material is fluidized through a porous media with low pressure air.

Material flow is achieved by sloping the Airslide conveyor to match the fluidized angle of repose of the powdered material.

At the correct slope, fluidized materials flow with the consistency of a liquid.

Fluidized Gravity Conveying Systems

- Economical, energy-efficient
- High capacity, high performance
- Versatile and reliable

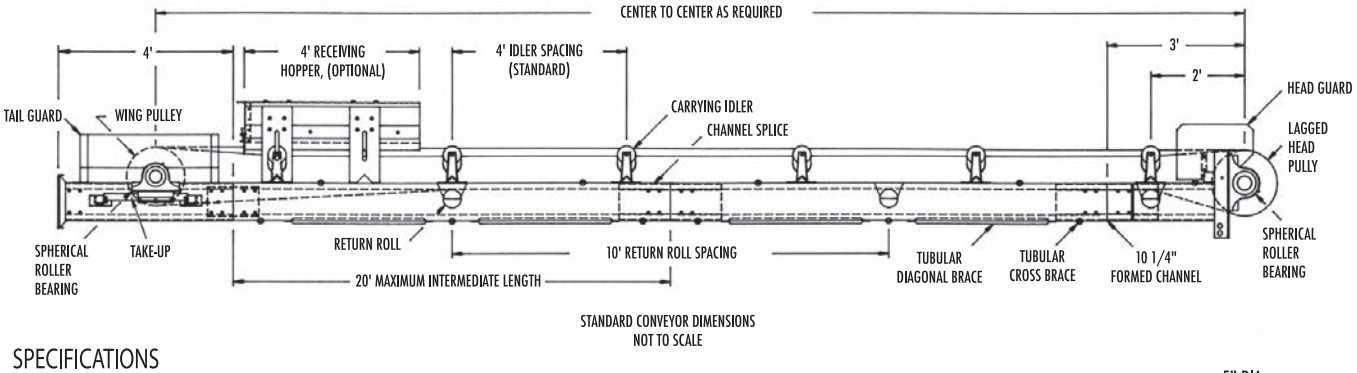
We supply replacement Air Slide fabric for your Air Slide and in any width or length

CONVEYORS

Our Product line-up is set to handle your toughest project needs. From heavy duty transfer Conveyors to custom designed structures. Conveyors are available in a variety of drives, sizes, lengths, and widths.

STANDARD CONVEYOR DIMENSIONS

Galvanized Channel Belt Conveyor

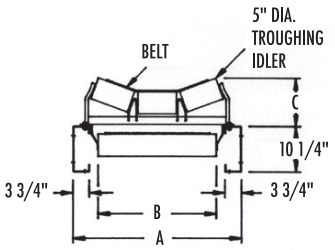


STANDARD CONVEYOR DIMENSIONS
NOT TO SCALE

SPECIFICATIONS

Model Number	Belt Width	A	B	Typical C 20°	35°	45°	Idler CEMA Rating*
FCS1014	14"	28-1/2"	17"	9-5/8"	10-7/8"	N/A	B
FCS1018	18"	32-1/2"	21"	10-1/16"	11-11/16"	12-7/8"	B
FCS1024	24"	38-1/2"	27"	10-3/4"	12-7/8"	13-15/16"	B
FCS1030	30"	44-1/2"	33"	11-1/2"	14-1/16"	15-1/2"	B
FCS1036	36"	50-1/2"	39"	12-3/16"	15-3/16"	17"	B
FCS1042	42"	56-1/2"	45"	12-7/8"	16-3/8"	18-7/8"	B
FCS1048	48"	62-1/2"	51"	13-9/16"	17-1/2"	20-3/8"	B

* Other CEMA idlers available.
Note: All dimensions subject to change without notice.
Contact sales department for 54"-72" specifications.



TYPICAL CONVEYOR CROSS SECTION

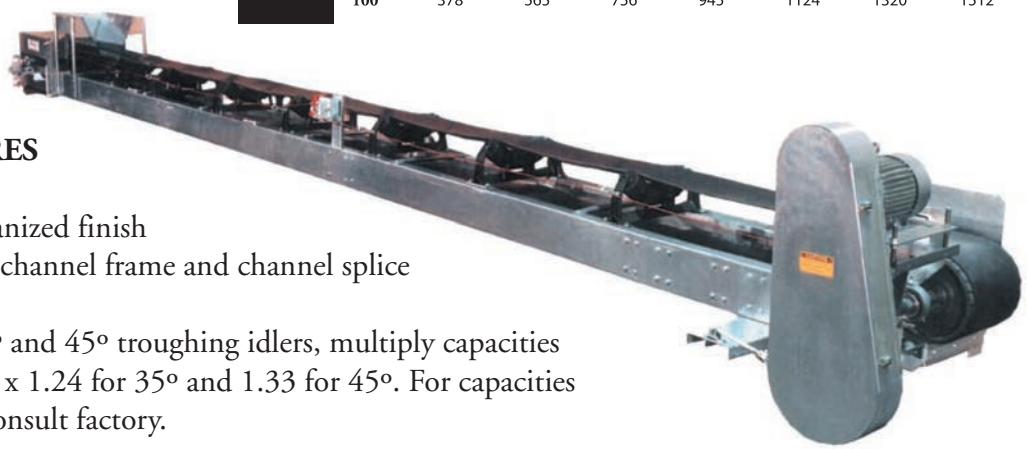
FOR APPLICATIONS REQUIRING EXTRA HEAVY DUTY

Sweet's Heavy Duty formed channel galvanized steel frame features tubular cross braces and unique diaphragm squaring plate. It will support 565 pounds per linear foot when supports are spaced on 20 foot centers.

Sweet' Belt Conveyors are offered in belt widths from 14" thru 72". Standard head section includes pillow block spherical roller bearings; Turned, Ground, and Polished (TG&P) headshaft; and lagged pulley with bushed hubs. Standard tail section includes self cleaning wing style tail pulley; pillow block spherical roller bearings; and galvanized top mount protected screw take up.

CAPACITIES: 20° Troughing Idlers

Belt Width	Lbs./Ft³	Capacity in Tons Per Hour — Belt Speed in Feet Per Minute 100	150	200	250	300	350	400
14"	30	9	14	19	24	28		
	50	16	24	32	40	47		
	75	24	35	47	60	71		
	100	32	47	63	79	95		
18"	30	13	19	26	32	39	45	
	50	26	39	52	65	78	91	
	75	38	57	76	95	114	133	
	100	52	78	104	130	156	182	
24"	30	28	42	56	70	84	98	112
	50	46	69	92	115	138	161	184
	75	69	103	138	172	207	242	276
	100	92	138	184	230	276	322	368
30"	30	43	64	86	108	129	150	172
	50	72	108	144	180	216	252	288
	75	108	162	216	260	324	378	432
	100	144	216	288	360	432	504	576
36"	30	65	97	130	162	195	228	260
	50	104	156	208	260	312	364	416
	75	155	233	310	388	465	543	620
	100	208	312	416	520	624	728	832
48"	30	113	169	226	282	339	396	452
	50	190	285	380	475	570	665	760
	75	280	420	560	700	840	980	1120
	100	378	565	756	945	1124	1320	1512



COST SAVING FEATURES

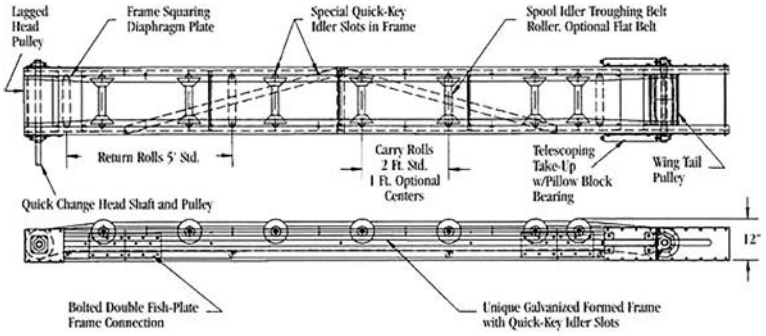
- All bolted construction
- Corrosion resistant Galvanized finish
- Heavy duty formed steel channel frame and channel splice

To figure capacities for 35° and 45° troughing idlers, multiply capacities of 20° idlers shown on left x 1.24 for 35° and 1.33 for 45°. For capacities of belt widths not listed, consult factory.

Quick-Key Spool Conveyor

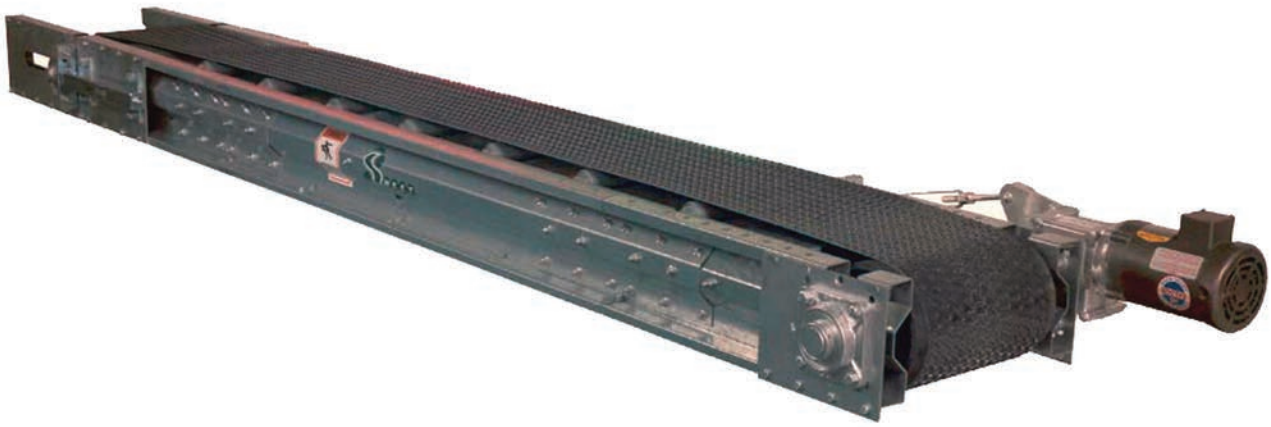
For Applications where space is limited: Low profile, 20 feet clear span, Galvanized construction, Modular bolted assembly

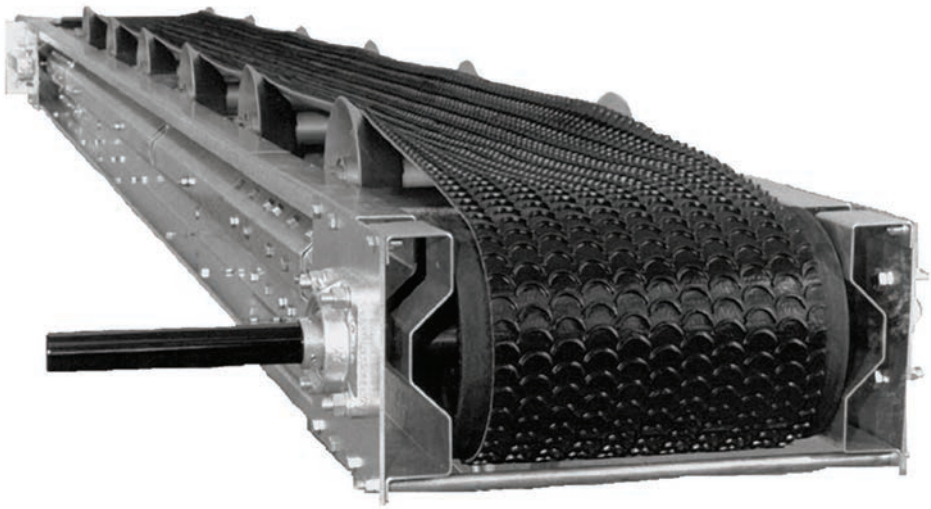
The unique formed rigid design of an all galvanized belt conveyor by Sweet is finding noteworthy user appeal in numerous applications thoughout many industries. This model offers the advantages of a greater span potential combined with a low profile height of 12 inches where space is limited.



Featuring flexibility by design, conveyors are available with various belt widths and include spool idlers with sealed motor grade ball bearings. Quick change key slots, spaced on one foot increments, allow for any combination of idler spacing.

Other significant features include: Lagged drive pulley, wing tail pulley with take-ups, minimum maintenance self-cleaning frame, low horsepower requirements, easy assembly and installation. there are several belt type options and covers can be provided for enclosure against the elements. Options include load skirts, scrapers/brush for belt, 18" deep truss frame to increase free span.



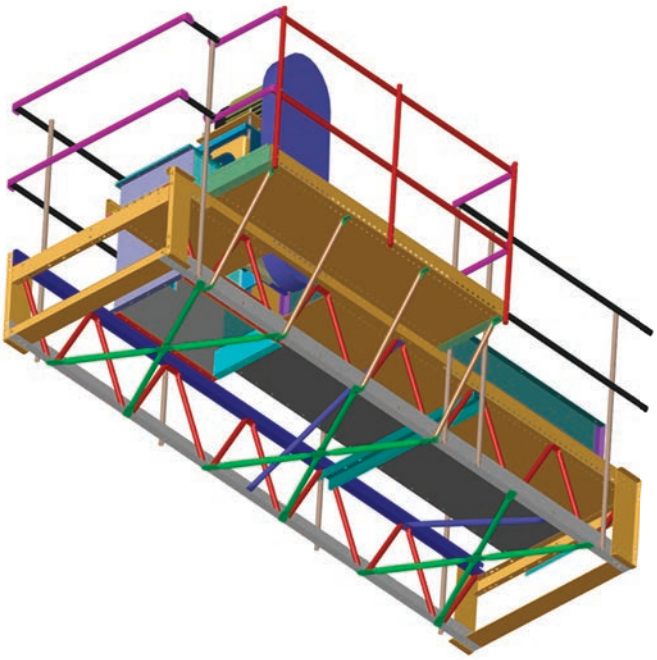


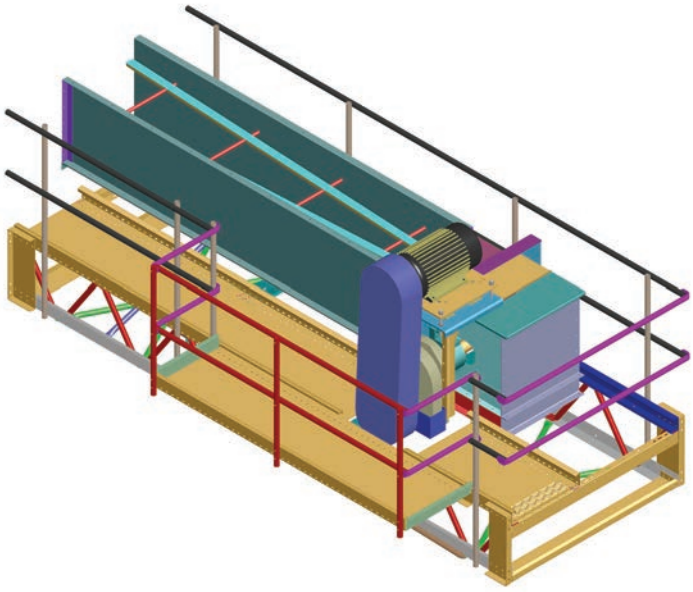
Silver Span 2 Drive Service Platform

NO MORE CLIMBING OVER DRIVES!

SAFE & SECURE

- Easy to install on existing Silver Span® II Models.
- Standard placement anywhere along walkway, no field modifications.
- Provides additional versatile work surface for head and drive maintenance.
- Safe access around multiple or unique conveyor runs.
- All galvanized, bolted construction for easy installation, no welding required.

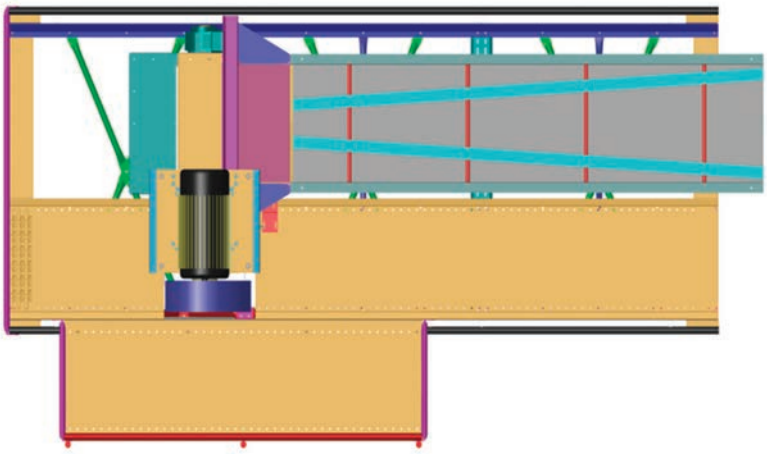




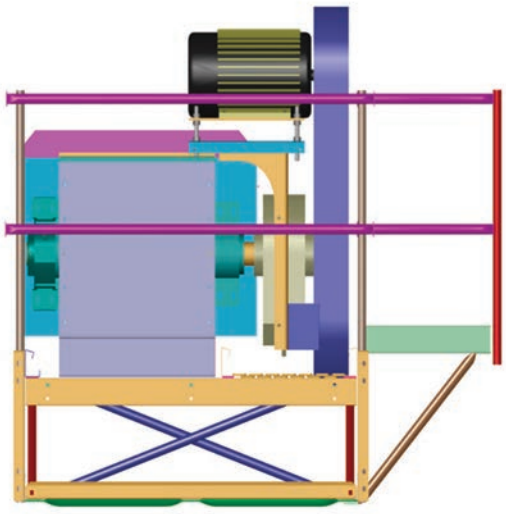
Standard kits for all Silver Span® II Models

- 24", 30" and 36" Wide
- 18" or 30" Deep Truss

Kit includes Silver Grip® grating, handrail, knee brace supports and hardware.



Platform features our Silver Grip® 12 gauge galvanized grating for a safe, non-slip surface.
Perforated design eliminates water problems.



7'6" LONG
40 LBS PER SQUARE FOOT LOADING

CONVEYOR SUPPORT SYSTEMS

- Precision Fabricated Galvanized
- Steel for Fast and Easy Modular
- Erection Without Welding,
- Painting or Field Alteration

Hot dipped, Galvanized Structural steel Option Available

Available Lengths:
20' Base Unit 20' Extension Unit
15' Base Unit 15' Extension Unit
10' Base Unit 10' Extension Unit
5' Extension Unit

Size (ft.) 2 x 2* - 10,000 Vertical Load Rating (lbs.)

Size (ft.) 2 x 5* - 20,000 Vertical Load Rating (lbs.)

Size (ft.) 2 x 6* - 20,000 Vertical Load Rating (lbs.)

Size (ft.) 4 x 8 - Capable of supporting on 60 foot centers, a conveyor and Silver Span at 100 foot high, without guying or bracing.

*NOTE: Must be guyed or braced to structure 30' feet away

Pre-Engineered Galvanized Steel Modular Conveyor Support Systems and Walkway

- Greater strength for larger conveyors requires less support towers.
- Engineered to meet today's market needs!

Conveyor Support System Features

- 5', 10', 15', and 20' modular standard section lengths
- 18" and 30" truss
- 24", 30", and 36" wide walkway with built-in toeboard
- Up to 48" wide conveyor area
- Up to 60" wide maintenance area available
- All galvanized steel construction
- Silver Grip® grating walkway
- Bolted construction, no welding required
- Designed to meet all known safety and OSHA requirements
- Free span to 100' or more
- Integral service platforms and intermediate support towers available

Looking For...

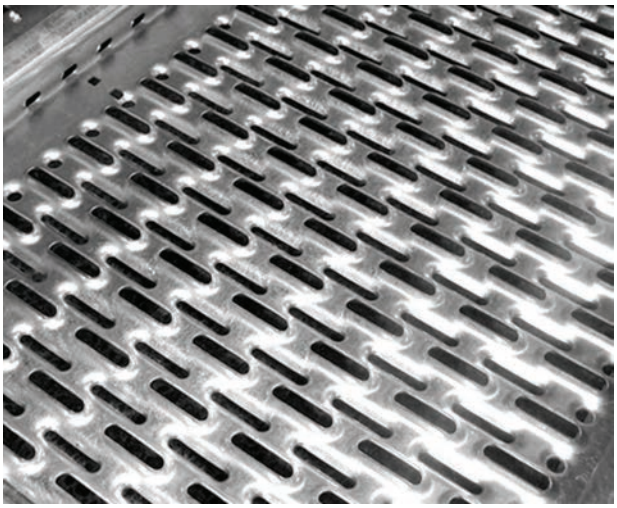
- Easier installation?
- Lower installation cost?
- Maintenance free?
- Safe support systems?
- No field cutting or welding?
- Versatility?
- Longer life?

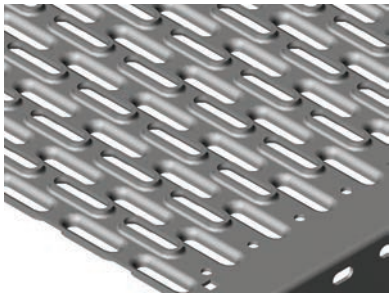
Silver Span® has it all.

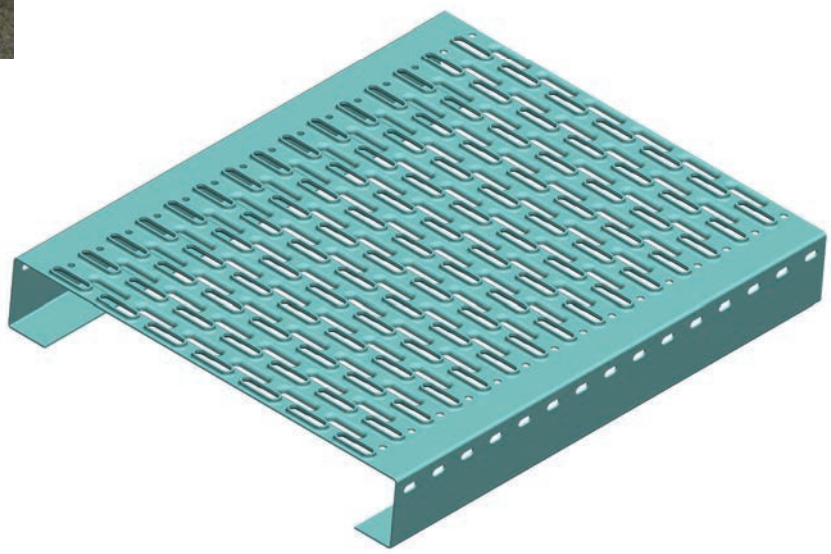
Silver Grip Conveyor Grating

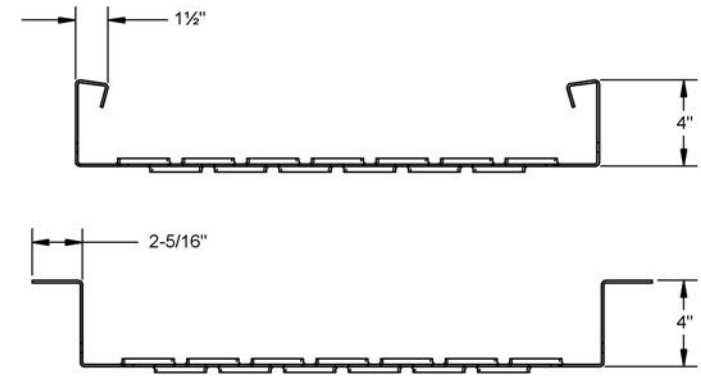
Safe, Secure Footing for Work Areas, Platforms, Steps, and Walkways

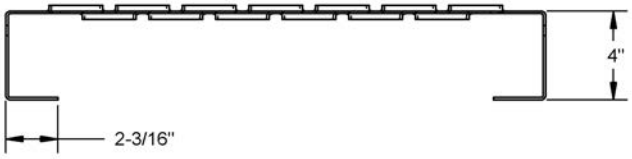
- Rust-resistant, galvanized steel.
- Rugged one piece construction.
- Slip-resistant, perforated surface.
- Variable configuration for flexibility.
- No welding required — easy installation.
- Precision side holes for bolting sections.
- 12 gauge — 10’ and 20’ in-stock lengths.
- Custom lengths & configurations upon request.

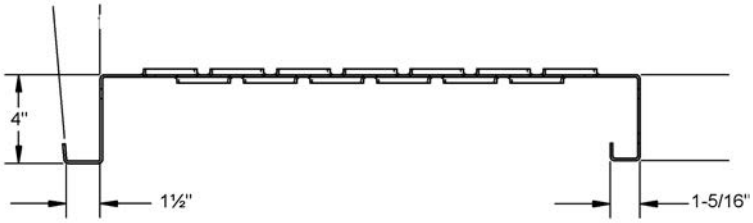












Bag-Pulse Jet (BP) Central Dust Collector

The Bag Pulse Jet Series (or Pulse Jet-Bag) combines advanced Bag Pulse Jet technology with our efficient filter bags and C&W dependability to create a unique dust control system. The BP series highlights tool-less media exchange, high cleaning capacity, and top loading of filter media. C&W's Bag Pulse Jet Series offer superior quality for your concrete and cement dust collection needs.

Features:

- Easy to Maintain
- Tool-less Exchange of Filter Media
- Top Entry for Clean Side Filter Exchange

Efficiency

- 99.9% Filtration Efficiency*
- High Level Entry for Contaminated Air
- Snap-in Bags / Cages with Venturi

Performance

- Magnehelic Gauge
- Laser Aligned Cleaning System
- Hopper Vibrator

Reliable, Easy to Operate

- Electrical Control Panel
- Solid State Adjustable Timers w/ LED Display

Long-Lasting, Durable

- 10 Gauge, Corrugated Steel Construction

Safety, OSHA-Compliant

- Ladders, Platforms, and Handrails

Options:

- Manual or Automatic Recycle Systems
- Custom Shrouds and Snorkels
- Silo Anti-Overfill System
- Screw Conveyor with "V" Hopper
- On Demand Smart Systems
- Available in Mobile Units
- Additional Services:
- Turn-Key Installations
- Customized Layouts
- Start-up and Maintenance Training
- Professional Consultation

Specifications	BP-790	BP-850	BP-1100	BP-1300	BP-1500	BP-1800	BP-2000	BP-2450
Filtration Area (sq. ft.)	785	880	1099	1256	1507	1809	2072	2450
# of Bags	50	56	70	80	96	96	132	130
Bag Length	120"	120"	120"	120"	120"	144"	120"	144"
Overall Height	23′	23' 9"	24' 7"	25′1″	26'2″	28'2″	23′5″	24′
Overall Width	10′5″	10′10″	10′10″	11′5″	11′7″	11′11″	19′5″	22′
Overall Length	8′6″	10′	12′2″	12′2″	14′	13′11″	10′3″	11′
Approx. Weight (lbs.)	5,000	5,800	6,500	7500	8,000	8,800	9,300	9,800
Blower HP	10	10	15	15	20	20	25	30
Air to Cloth Ratio (ACFM/ft.2)	6.3	5.68	5.91	6.37	6.3	6.08	6.03	6.12
Blower CFM	5000	5000	6500	8000	9000	11000	12500	15000
# of Compartments	1	1	1	1	1	1	1	1
Cleaning Mechanism	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer	Pulse Jet w/ Timer
Min. Design Efficiency*	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
*At Standard Test Conditions								

Principles of Operation:

C&W's BP Dust Collectors (or Bag-Pulse Jet) uses a brief burst of high-pressured air to clean the filter media (bags). The air flows from the outside to the inside of the filters. Dust is collected on the outside of the bags as the contaminated air passes through. This direction of air flow requires the use of cages inside the bags. As the pulse of air is directed through blow tubes, down the inside of the filters, the dust is blown off. It then falls and is collected for a short time in the hopper below, where it is available to be recycled by the optional recycle system. The entire cleaning process takes around one second.

The largest BP Central Dust Collector C&W manufactures is 75,000 CFM, with the smallest offering 850 CFM.

Pulse Jet technology is very reliable and effective, but it is also the most expensive among our fabric dust collectors. It requires electrical power, as well as clean, dry compressed air.

C&W's BP Series Dust Collectors can be used on numerous dust applications, including but not limited to: Cement, Chalk, Clay, Coal, Coke, Fly Ash, Glass, Gold Ore, Grain, Gypsum, Paint Pigments, Sands, Salt, Slate, Soap, Talc, and Wood.

CARTRIDGE PULSE (CP) CENTRAL COLLECTOR

C&W's Cartridge Pulse Dust Collectors combine pulse-jet technology and our vertical cartridge filters to provide a highly effective, yet inexpensive solution for dust control. Cartridge Pulse units are similar in all respects to the Pulse Jet-Bag technology, except for the use of cartridges as the filter media, rather than bags. The use of cartridges increases the filtration area and reduces the number of filters needed. As a result, the dust collector is not as large and offers the most efficient filtration available at 99.99% efficiency. Other attributes of this collector are a space saving footprint, tool-less media exchange, and top loading filter media.

Features:
- Easy to Maintain
- Tool-less Exchange of Filter Media
- Top Entry for Clean Side Filter Exchange

Efficiency
- 99.99% Filtration Efficiency*
- Spun-Bound Polyester Filter Media

Efficient, Compact
- Vertical, Wide-Pleated Cartridges

Performance
- Mini-helic Gauge
- Hopper Vibrator

Reliable, Easy to Operate
- Solid State Adjustable Timers w/ LED Display

Long-Lasting, Durable
- 10 Gauge, Corrugated Steel Construction

Safety, OSHA-Compliant
- Ladders, Platforms, and Handrails

Options:
- Manual or Automatic Recycle Systems
- Custom Shrouds and Snorkels
- Silo Anti-Overfill System
- Screw Conveyor with "V" Hopper
- On Demand Smart Systems
- Available in Mobile Units

Additional Services:
- Turn-Key Installations
- Customized Layouts
- Start-up and Maintenance Training
- Professional Consultation

Specifications	CP1440	CP2150	CP2880	CP3240	CP3600	CP4320
Total Filteration Area	210	315	420	472.5	525	630
787Number of Cartridges	4	6	8	9	10	12
Cartridge Diameter & Length	8" x 39"	8" x 39"	8" x 39"	8" x 39"	8" x 39"	8" x 39"
Normal Air Capacity (CFM range)	1400 - 1440	630 - 2150	840 - 2880	945 - 3240	1050 - 3600	1260 - 4320
Static Preasure Drop	8" W.C	8" W.C	8" W.C	8" W.C	8" W.C	8" W.C
Air to Cloth Ratio (ACFM/ft^2)	6.86	6.86	6.86	6.86	6.86	6.86
Blower Horsepower (optional)	3	5	7.5	7.5	7.5	10
Blower CFM	1440	21050	2880	3240	3600	4320
Min. Design Efficiency	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
Media Type	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester

***At standard test conditions**

Specifications	CP5250	CP7500	CP1000	CP12500	CP1400
Total Filteration Area	787	1654	2068	2585	3102
Number of Cartridges	15	16	20	25	30
Cartridge Diameter & Length	8" x 39"	8" x 78"	8" x 78"	8" x 78"	8" x 78"
Normal Air Capacity (CFM range)	1574 - 5250	3308 - 7500	4136 - 10000	5170 - 12500	6204 - 14000
Static Preasure Drop	8" W.C	8" W.C	8" W.C	8" W.C	8" W.C
Air to Cloth Ratio (ACFM/ft^2)	6.67	4.53	4.83	4.83	4.51
Blower Horsepower (optional)	15	15	20	25	30
Blower CFM	5250	7500	10000	12500	14000
Min. Design Efficiency	99.99%	99.99%	99.99%	99.99%	99.99%
Media Type	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester	Spundbond Polyester

Principles of Operation:

As with the Pulse Jet-Bag, the Cartridge Pulse collectors require electrical power and clean, dry compressed air set at 80 PSI. The largest CP Central C&W manufactures is 50,000 CFM, with the smallest collector offering 400 CFM. C&W's CP Series collectors can be used on numerous dust applications, including but not limited to: Cement, Chalk, Clay, Coal, Coke, Fly Ash, Glass, Gold Ore, Grain, Gypsum, Paint Pigments, Sands, Salt, Slate, Soap, Talc, and Wood.

REVERSE AIR (RA) CENTRAL COLLECTOR

C&W's Reverse Air Dust Collector is our most popular unit because of its ruggedness, durability, user-friendliness, and proven-technology. Reverse Air dust collectors have multiple compartments that are configured very similar to the old style shaker units. Dirty air enters the bottom of the filter bags and dust is collected on the inside of the fabric. The compartments are cleaned in a sequence, set by adjustable timers.

REVERSE AIR (RA) CENTRAL COLLECTOR

Features:

Easy to Maintain
- Tool-less Exchange of Filter Media
- Top Entry for Clean Side Filter Exchange

Efficiency
- 99.9% Filtration Efficiency*
- High level Entry for Contaminated Air
- Snap-in Bags/Cages with Venturi
- Ladders, Platforms, and Handrails

Performance
- Mini-helic Gauge
- Hopper Vibrator

Reliable, Easy to Operate
- Solid State Adjustable Timers w/ LED Display

Long-Lasting, Durable
- 10 Gauge, Corrugated Steel Construction

Safety, OSHA-Compliant
- Ladders, Platforms, and Handrails

Options:
- Manual or Automatic Recycle Systems
- Custom Shrouds and Snorkels
- Silo Anti-Overfill System
- Screw Conveyor with "V" Hopper
- On Demand Smart Systems
- Available in Mobile Units

Additional Services:
- Turn-Key Installations
- Customized Layouts
- Start-up and Maintenance Training
- Professional Consultation

Specifications	RA-120	RA-140	RA-170	RA-200	RA-280	RA-340
Total Filtration Area (sq. ft.)	955	1433	1734	2148	2865	3468
Number of Bags	48	72	72	108	144	144
Bag Length	114"	114"	138"	114"	114"	138"
Overall Height	21'6"	23'8"	25'8"	23'8"	25'4"	27'4"
Overall Width	8'	10'4"	10'4"	10'4"	10'7"	10'7"
Overall Length	9'2"	9'2"	9'2"	11'	17'5"	17'5"
Approx. Weight (lbs.)	5,600	7,200	8,200	9,200	10,500	12,400
Air to Cloth Ratio (ACFM/Ft.²)	5.2	4.54	4.61	4.66	4.54	4.33
Blower Horsepower (optional)	10	10	15	20	25	25
Blower CFM	5,000	6,500	8,000	10,000	13,000	15,000
# of Compartments	2	2	2	2	4	4
Min. Design Efficiency*	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Cleaning Mechanism	Reverse Air	Reverse Air	Reverse Air	Reverse Air	Reverse Air	Reverse Air
*At Standard Test Conditions						

Principles of Operation:
The Reverse Air design uses low-pressure air to collapse the bags. The bags clean as they are collapsed and re-inflated a number of times. The collected material then falls to the hopper below, where it is available to be recycled by the optional recycle system. This type of collector is more expensive than the shaker design, but the advantage of multiple compartments allows for higher dust concentrations and continuous use. As a compartment is cleaning the bags, the remaining compartments filter the air. The Reverse Air unit works well for material that is easily removed from filter media. The Reverse Air requires electricity and minimal compressed air.

The largest RA Central C&W manufactures is 75,000 CFM, with the smallest offering 5000 CFM.

C&W's RA Series Collectors can be used on numerous dust applications, including but not limited to: Cement, Chalk, Clay, Coal, Coke, Fly Ash, Glass, Gold Ore, Lime, Gypsum, Paint Pigments, Sands, Salt, Slate, Soap, and Talc.

C & W DUST COLLECTORS
SILO DUST COLLECTORS
CARTRIDGE PULSE (CP) SILO COLLECTORS

C&W's traditional Cartridge Pulse Silo Collector features Pulse-Jet technology, 99.99% filtration efficiency, and tool-less media exchange. Numerous models of this unit offer varying degrees of filtration, ranging from a Weigh Scale Collector with 36 ft. of filtration area to a CP-5000 with 2,673 ft. of filtration area.

Features:
- Easy to Maintain
- Tool-less Exchange of Filter Media
- Top Entry for Clean Side Filter Exchange

Efficiency
- 99.99% Filtration Efficiency*

Efficient, Compact
- Vertical, Wide-Pleat Cartridges

Performance
- Inlet Air Regulator and Moisture Separator
- Test Ports for Monitoring Filter Media

Reliable, Easy to Operate
- Solid State Adjustable Timers w/ LED Display

Long-Lasting, Durable
- 12 Gauge, Heavy Duty Steel Construction

Options:

- Pressure Switch for Automatic Cleaning
- Mini-helic Gauge
- Custom Designs and Sizes
- Special Mounting Flange for Adapting to Existing Flange
- Blower Packages, Standard or Custom-Built
- Special Filter Media
- Silo Anti-Overfill System
- Pressure Relief Valves and Bin Indicators

Applications:

- Cement
- Chalk
- Clay
- Coal
- Coke
- Fly Ash
- Glass
- Gold Ore
- Grain
- Gypsum
- Paint
- Sands
- Salt
- Slate
- Soap
- Talc
- Wood

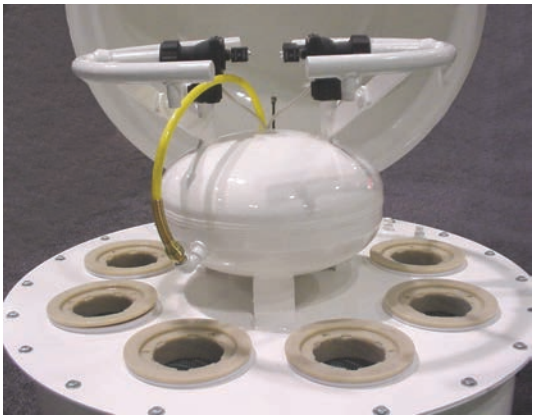
Specifications	CP-35	CP-70	CP-88	CP-1335S	CP-2000S	CP-2665S	CP-3335S	CP-4000S	CP-5000S
Total filtration area (sq. ft.)	45	90	90	210	315	420	525	630	787.5
Number of cartridges	2	4	4	4	6	8	10	12	15
Air to cloth ratio	4.78	4.78	4.78	6.36	6.35	6.35	6.35	6.35	6.35
Cartridge size	8" x 19"	8"x19"	8" x 19"	8" x 39"	8" x 39"	8" x 39"	8" x 39"	8" x 39"	8" x 39"
Static pressure drop	6" W.C.	6" W.C.	6" W.C.	6" W.C.	6" W.C.	6" W.C.	6" W.C.	6" W.C.	6" W.C.
Compressed air req.	2	2	2	2	2	3	4	5	5
CFM recommended	216	432	432	1335	2000	2665	3335	4000	5000
Min. design efficiency*	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%	99.99%
Cleaning Mechanism	pulse jet	pulse jet	pulse jet	pulse jet	pulse jet	pulse jet	pulse jet	pulse jet	pulse jet
* At standard test conditions									

Principles of Operation:

Basically the same cleaning operation as Pulse Jet-Bag, except instead of bags for the filter media, cartridges are used, which provide higher filtration efficiency at 99.99%.

The largest traditional CP-Silo Collector C&W usually manufactures is 5,000 CFM, with the smallest offering 216 CFM.

LOW PROFILE ROUND (LPR) SILO COLLECTOR



Low-Profile Round (LPR) Silo Collectors are unique because they offer expandable filtration area to meet your rising production demands, with out having to replace unit.
These units come standard in a steel housing, and are available with either 4, 6 or 8 cartridges depending on your production. C&W has years of experience working with small units designed for intra-silos, as well as large silos where the collector handles the continuous dust loading needs from cement terminals to ship unloading facilities.

We developed the LPR Silo Collector as a direct result from customer requests for a low working surface area and is able to expand its filtration capacity as our customers business develops and expands.

LPR Silo Collectors are available in Pulse-Jet technology, with our cartridge filters, providing the most efficient filtration available at 99.99% filtration efficiency.

Features:

- Lightweight - Units range from approximately 670-750 pounds.
- Low 46" Working Height
- Filters Pop in-out with no tools needed
- Expandable filtration capacity - accomplished by merely adding cartridges to the unit which increases the filtration area, without replacing the unit
- Blow pipes built & placed in the interior of the unit
- Vertical, wide, pleated cartridges - offering 99.99% filtration efficiency
- Solid State Timer Board
- Pulse Air shut-off safety switch
- Lifting lugs for crane mounting
- Air Regulator
- Gauge ports

Specifications	LPR-4-S	LPR-6-S	LPR-8-S
Total Filtration Area (sq. ft.)	178	267	356
Number of Cartridges	4	6	8
Cartridge Size	8" x 39"	8" x 39"	8" x 39"
Overall Height - Steel*	72"	72"	72"
Flange Diameter	44" o.d.	44" o.d.	44" o.d.
Approx. Weight (lbs.) -Steel *	670	695	720
Compressed Air Required	3	3	3
CFM Recommended**	1,170	1,760	2,340
Min. Design Efficiency***	99.99%	99.99%	99.99%
Cleaning Mechanism	Pulse Jet	Pulse Jet	Pulse Jet

*Includes Mounting Flange change CFM recommended
** CFM shown for typical application. Unique application may
***Using Standard Test Conditions

Options:

- Automatic On/Off Flow Switch
- Minihelic Gauge
- Special Adaptable Mounting Flange
- Air Tank Auto-Drain
- Silo Anti-Overfill System
- Pressure Relief Valves and Bin Indicators

SHAKER SILO COLLECTOR

This unit is designed for producers in sub-zero weather conditions because this unit is not susceptible to freezing, as no compressed air is required. C&W's Shaker Silo Collector also features 99.9% filtration efficiency, tool-less media exchange, and is extremely user-friendly.

The optional blower package for this Shaker Silo Collector offers between 850-1200 CFM.

Features:

Easy to Maintain
- Tool-less Exchange of Filter Media
- Side Entry for Clean Side Filter Exchange

Efficiency
- 99.9% Filtration Efficiency*

Efficient, Compact
- Polyester Filter Media

Performance
- Handles up to 1200 CFM
- Test Ports for Monitoring Filter Media

Reliable, Easy to Operate
- Gentle, Reliable Mechanical Shaker

Long-Lasting, Durable
- 12 Gauge, Heavy Duty Steel Construction
- Will not freeze when in sub-zero weather

Specifications	SK250-436
Total Filtration Area (sq. ft.)	250
Number of Bags	36
Bag Size (Diameter x length)	4" x 79"
Overall Height	7' 6"
Flange Width	38"
Flange Length	38"
Approx. Weight (lbs.)	500
CFM Recommended	1200
Air to Cloth Ratio (ACFM/Sq.Ft.)	4.8
Min. Design Efficiency*	99.9%
Cleaning Mechanism	1/6 H.P. Motorized Shaker
*At Standard Test Conditions	

Options:
- Silo Mounting Flange - available in 6" and 12" heights, or an Angle Flange for Sloped Silos
- Blower Package - 2 or 3 HP Blowers offering 850-1200 CFM
- Silo Anti-Overfill System
- Pressure Relief Valves and Bin Indicators
- Timer Controlled Automatic Off Switch

Principles of Operation:

The cleaning mechanism for the Shaker Silo Collector is a mechanical shaker which gently yet thoroughly cleans the filter media.

WAM SILOTOP VENTING FLITER

SILOTOP® is a cylindrically shaped dust collector for venting of pneumatically filled silos. The stainless steel body contains vertically mounted, POLYPLEAT® filter elements. The air jet cleaning system is integrated in the hinged weather protection cover.

Dust separated from the air flow by special POLYPLEAT® filter elements drops back into the silo after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed it from the filter elements.

Features:

- Compact 800mm (30 in) diameter 304 stainless steel body with bottom flange 24.5m2 (264 Sq Ft) filter surface
- Maintenance height = 1,100mm (3.6 ft)
- High filtration efficiency due to POLYPLEAT® filtering elements
- Low dust emission level due to B.I.A.-certified filter media
- Maintenance-free air jet cleaning unit integrated inside weather protection cover
- Safe weather protection cover with lockable snap hook
- No tools required for filtering element removal
- Robust design
- Perfectly accessible due to compact design
- Complete replacement of filter media by only one person within a few minutes

Options & Accessories:

- Weld-on bottom ring
- Multifunctional electronic differential pressure meter
- Winter protection for solenoid valves

WAMECO® CLAMPED ROUND DUST COLLECTORS

WAMECO® Dust Collectors consist of a cylindrical shape stainless steel casing with tube clamp connection, vertically inserted filter elements, and an automatic reverse air jet cleaning system. WAMECO® Dust Collectors are either built in for venting applications or come as a stand-alone unit with dust collecting hopper. For suction applications fan versions are available.

The cylindrically shaped WAMECO® Dust Collector has been designed to de-dust a large variety of different dust sources. High quality standards allow to successfully solve many de-dusting problems.

The WAMECO® is particularly suitable for pneumatic conveying systems (both suction and pressure-type). High filtration efficiency is guaranteed due to accurate filter media selection and certification by B.I.A.

The WAMECO® Front Dust Collector version, which has elements that can be unscrewed from the dirty side, is used where access to the filter elements from the clean air side is not possible either because of limited headroom or a top-mounted fan.

Performance & Technical Features - Benefits:

- Cylindrical stainless steel body
- Filter surface from 1 to 47m² (11 to 505 sq ft)
- Air volume from 60 to 4,500m³/h (35 to 2,650 cfm)
- Low emission level due to B.I.A.-certified filter media
- Special design compressed air jet cleaning system
- Tight fit of filter media due to push-fit elements
- Multifunctional electronic control panel
- Filtering elements: round bags, elliptical bags, cartridges
- High filtration efficiency due to special WAM® filtering elements
- Easy maintenance due to quick access to filtering elements
- Quick access to filter media from the clean air side or from dirty air side through large access door
- Integrated compressed air cleaning system
- Minimum pressure loss due to special air diverter distribution modules
- Venturi inserts guarantee maximum efficiency of air jet
- Special design air jet blowing system minimizes pressure drop
- Special pre-tensioning device for circular and elliptical bag-type filter elements
- Standard after shut down cleaning cycle
- All components, fittings and instruments, some of which either patented or having patent pending, are special WAM® designs

Options & Accessories:
• Suction fan
• Spigot for centralised suction
• Vibrator cleaning system
• Electronic differential pressure meter
• Dust collection hopper with bucket, butterfly valve, rotary valve, and various types of flow aids
• Winter protection for solenoid valves
• Large front door providing easy access for filtering element removal with WAMECO® Front version

Versions Available
• WAMECO® S-type: BASIC dust collectors for pneumatic pressure or suction conveying systems

HOPPERTOP WEIGH HOPPER VENTING FILTER

HOPPERTOP is a small cylindrical venting filter specifically for installation on weigh hoppers in concrete batching plants.

Function:
HOPPERTOP is a compact venting filter for mechanically filled hoppers. Dust which is separated from the air flow by a single WAM® cartridge filter element drops back into the hopper after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed the dust particles from the filter elements.

Performance & Technical Features - Benefits:
• Stainless steel flanged body
• Low emission level due to B.I.A.-certified filter media
• Special design compressed air jet cleaning system
• High filtration efficiency due to unique WAM® design filter elements
• Quick maintenance due to easy access for filtering element removal
• Filter surface: 1 m2
• Maintenance-free air jet cleaning unit integrated inside weather protection cover
• High cleaning efficiency due to "Full-Immersion" solenoid valves
• No tools required for filtering element removal
• Minimum maintenance required
• High efficiency
• Minimum space required
• Easy to fit and retrofit

Options & Accessories:
• Emission measurement connection
• Electronic differential pressure meter (MDPE)
• Bottom ring

HOPPERJET

HOPPERJET® is a small footprint venting filter for installation on intermediate storage hoppers or weigh hoppers.

Function:
HOPPERJET® is a compact venting filter for mechanically filled hoppers. Dust which is separated from the air flow by a single POLYPLEAT® or bag-type filter element drops back into the hopper after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed the dust particles from the filter elements.

Performance & Technical Features - Benefits:
- 304 stainless steel flanged body
- Low emission level due to B.I.A.-certified filter media
- Special design compressed air jet cleaning system
- High filtration efficiency due to unique WAM® design filter elements
- Quick maintenance due to easy access for filtering element removal
- Maintenance-free air jet cleaning unit integrated inside weather protection cover
- High cleaning efficiency due to "Full-Immersion" solenoid valves incorporated in corrosion-resistant aluminium air tank
- No tools required for filtering element removal
- Minimum maintenance required
- High efficiency
- Minimum space required
- Easy to fit and retrofit

Options & Accessories:
- Spigot for centralised suction system
- Electronic differential pressure meter (MDPE)
- 304 or 316 stainless steel cover
- 316 stainless steel body

Scientific Dust Collectors Manufactures a full line of Baghouse Dust Collectors to meet the needs of your specific operation. For over 28 years, SDC has provided customers with unmatched cleaning performance due to our superior cleaning system that employs a patented supersonic nozzle to clean the filters more effectively than any of our competitors.

TOP REMOVAL

Scientific Dust Collectors' Supersonic Pulse Jet Top Removal (SPJ-T) Collector is designed with a full walk-in plenum for easy bag access from the clean side. It utilizes the patented supersonic nozzle cleaning system as well as a high-side inlet so that the heavier dust falls out of the air stream. These features allow the collector to operate at higher air-to-cloth ratios, lower pressure drops, and provide longer filter life. The SPJ Series is a heavy duty reverse pulse jet dust collector that operates continuously without requiring the process to be shut down for cleaning. The walk-in feature on the SPJ-T Series allows bag changeout from the clean side while not being exposed to the elements. Our high side baffled inlet with dropout section slows to less than 3000 FPM, which allows the large particles to simply fall out of the airstream into the hopper. Our bag spacing of three (3) inches between bags is the widest spacing in the industry. This reduces reentrainment of the dust. Our nozzle based cleaning system eliminates the venturi at the top of the bag/cage. This allows us to get over 300% more cleaning air into the bag than other generic baghouses.We gaurantee a stabilized pressure drop in our baghouse to be lower than 3.5"WC at full rated airflow.

BOTTOM REMOVAL COLLECTOR

Scientific Dust Collectors' Supersonic Pulse Jet Bottom Removal (SPJ-B) Collector is designed for low-profile applications where headroom is a factor. It utilizes the patented supersonic nozzle cleaning system as well as a high-side inlet so that the heavier dust falls out of the air stream. These features allow the collector to operate at higher air-to-cloth ratios, lower pressure drops, and provide longer filter life. This design also has all the same benefits and features as our top bag access designs. The only difference is that the bags are accessed from the dirty air side of the baghouse.

LOW FLOW BOTTOM REMOVAL COLLECTOR

Scientific Dust Collectors' newest Supersonic Pulse Jet Low Flow Bottom Removal (SPJ-BL) Collector is economically designed for low-flow applications (less than 5,000CFM) and low static pressure (less than 14" SP). It utilizes the patented supersonic nozzle cleaning system as well as a high-side inlet so that the heavier dust falls out of the air stream. These features allow the collector to operate at higher air-to-cloth ratios, lower pressure drops, and provide longer filter life.

BIN VENT COLLECTOR

Scientific Dust Collectors' Supersonic Pulse Jet Bin Vent(SPJ-BV) Collector is designed specifically for storage tanks, silos, work bins, and material receivers. It employs the patented supersonic nozzle cleaning system which allows the collector to operate at higher air-to-cloth ratios, lower pressure drops, and provide longer filter life. We can provide powered (with a fan) and non-powered (without a fan) bin vents. We can also customize the bottom flange to match customers' required opening.

HORIZONTAL COLLECTOR

Scientific Dust Collectors' Supersonic Pulse Jet Horizontal(SPJ-H) Collector is designed for low headroom applications, similar to the SPJ-B Collector. It utilizes the patented supersonic nozzle cleaning system as well as a high-side inlet so that the heavier dust falls out of the air stream. These features allow the collector to operate at higher air-to-cloth ratios, lower pressure drops, and provide longer filter life. This special design uses horizontal bags that are accessed from the clean side of the unit. This is a specialty application unit where the dust is large and stringy, but there is a low headroom requirement.

DUST COLLECTOR CARTRIDGES & FILTER BAGS

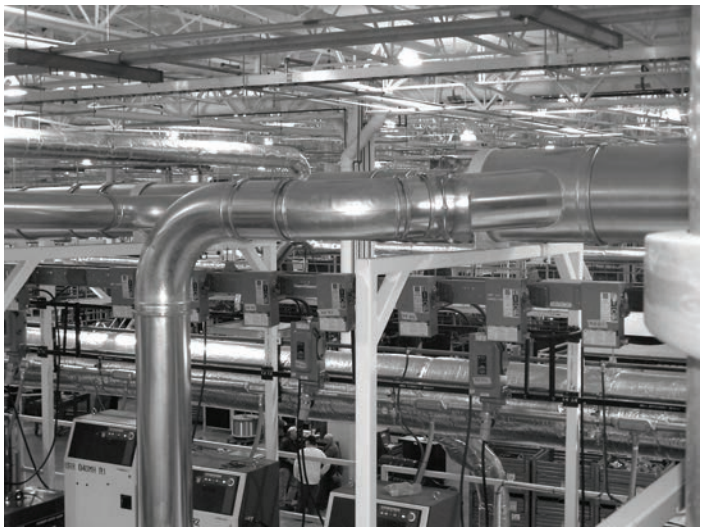
We can supply Pleated Bags, Cartridges or Filter Bags for any Manufacturer or size.

Custom made sizes, High Temp. any Industry including Cages.

DUCTING

LaserLock™ ducting is a modular ducting system available in a range of standard sizes in rolled edge, five foot lengths. The system is complete with bends, blast gate dampers, reducing cones, branch pieces - all joined with lock rings (clamps). The use of lock rings creates a sealed joint and reduces installation time to almost half that of conventional methods of ducting.

We can also supply the older style Spiral Pipe with all accessories.



Pipe

Steel Hose

Elbow

Flex Hose

Flange Adaptor

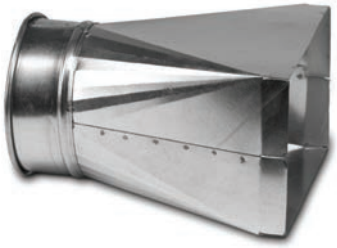
Hose Adaptor

Branch

Reducer

Pipe Hangar

Tape



Pick-Up Hoods

Blast Gates

Clamps

SHROUDS

C&W offers shrouds for back-in drive-out, drive-through, and front discharge truck operations. We also have shrouds to compliment our new Easy-UP duct.

Standard shroud designed for rear-discharge trucks. 6' 6" x 5' shroud includes 60" drop rubber curtain, and two (2) 14" pick up points.

• Boost-a-Load Shroud available for Boost-a-Load and front discharge trucks.

• Double Boost-a-Load Shroud available for drive-up or back-in fromeither side.

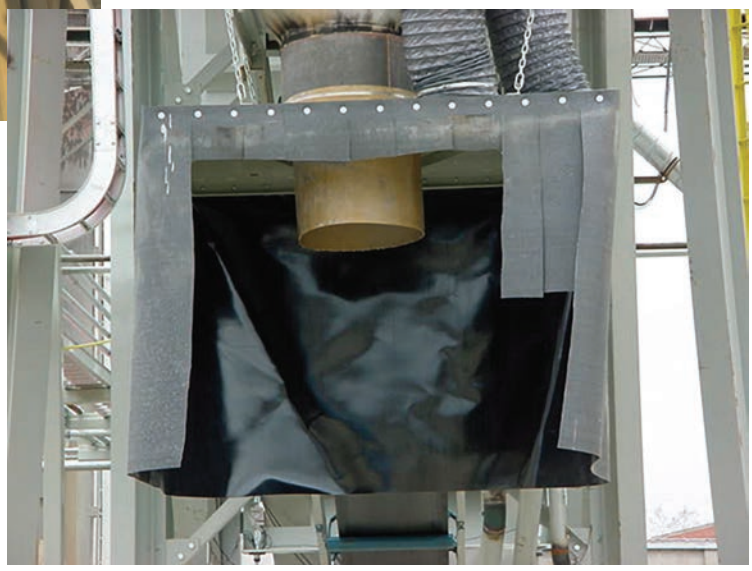
• BridgeMaster Shroud available for back-in using new MTM™ Bridgemaster trucks

Unique design allows ultra-effective dust control for drive-through operations. The sides and back lift up, allowing the truck to drive through. Includes two (2) 14" pick up points, 60" rubber curtains, four (4) air cylinders and solenoids.

• Expanded Vis-a-Load Shroud available for Boost-a-Load and front discharge trucks.

• Double Expanded Vis-a-Load Shroud available for drive through in either direction

A lift frame allows raising or lowering of the shroud to meet the requirements of various truck heights. Large lift frames (for Boost-a-Load and Double Vis-a-Load Shrouds) includes a 6" air cylinder and inching solenoid, cabling, pulleys, and air hose. Extra Large lift frames use an 8" air cylinder and are used for Double Boost-a-Load or Double OKEL Shrouds.



SILO SAVER SYSTEMS (ANTI-OVERFILL SYSTEM)

Silos and dust collectors are vital to production in the concrete industry, and are costly to replace or repair, when damaged. Silo Saver SystemsTM (SSSTM) were developed to minimize guessing and eliminate human error when dealing with the three (3) majors threats to silo and dust collectors. The 3 major threats are:

High Pressure: When blowing materials INTO the silo (filling) high pressure can become a problem. Usually pressure above 1.5 PSI can cause damage to the silo.

Overfilling: Overfilling a silo can damage or destroy it.

Broken Filter Media: Can pollute the air and cause a producer to receive a citation.

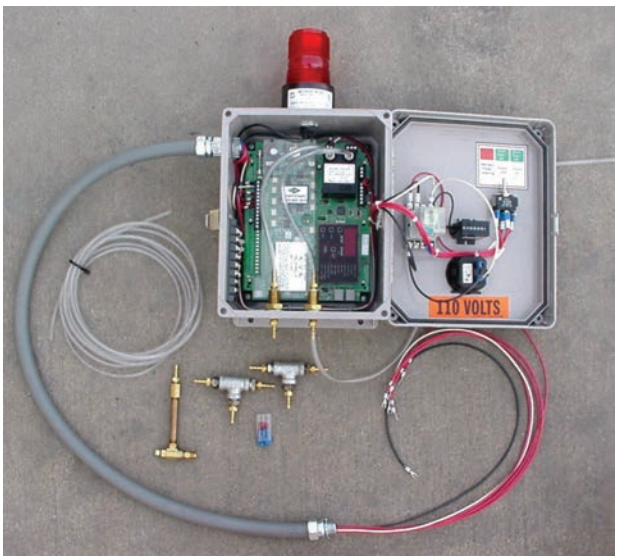
Anti-Overfill: Existing bin indicator monitors material level and signals when silo is full. Overfill light and horn are activated and pinch valve shuts line down after a preset time, avoiding serious damage or injury.

Pressure Sensor: Pressure above 1.5 psi can damage your silo and dust collector. Pressure Sensor detects high pressure and shuts the material flow down. Pressure Switch can also send a signal to turn collector on/off.

Broken Media Filter: Broken filters create maintenance disasters and can cause citations to be issued. Broken filter sensor uses microwave technology to detect damages and possible dangerous situations.

Smart-Clean: Is an automated cleaning system that manages when dust collector pulsing valves are activated (fired). Rather than pulsing on timed intervals, Smart-Clean increases the efficiency of the filtering by monitoring filter cake build up and keeping it within an optimal range. Key components include Smart-Clean Panel, Clean Out Connectors, and Pressure Hose.

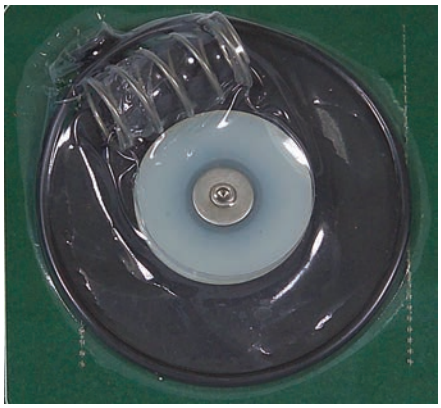
Air Flow Switch: Senses air flow through the silo collector and automatically turns the cleaning system on. When air flow ceases, system automatically turns off.



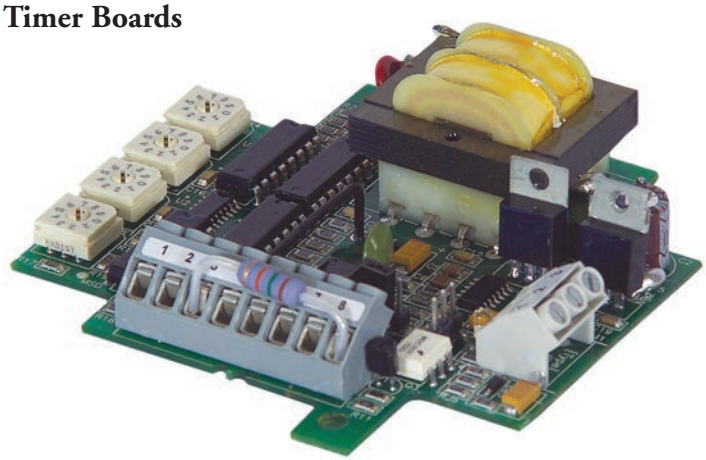
ACCESSORIES

We offer accessories for your dust collectors

Solenoids valves and repair kits



Timer Boards



Bulk Head Fittings

Magnehelic Gauge

Filter Bag Springs

MONITOR - POINT LEVEL CONTROLS

Rotary Paddle Level Switches - Models KA and KAX

Economical point level control sensors for the detection of dry bulk materials. This level switch is ideal for use as low level and high level indicators in bins, silos, hoppers, and other vessels.

Accessories for Models KA and KAX

PADDLE ASSEMBLIES: Monitor offers a variety of interchangeable paddle assemblies to meet the needs of a wide variety of applications. Different material densities, particle sizes and flow characteristics require specific paddles to provide optimum performance.

Standard Stainless Steel Three Vane Paddle

For use with For use with average to high bulk density materials.

Insertable * Stainless Steel Scimitar Single Vane Paddle

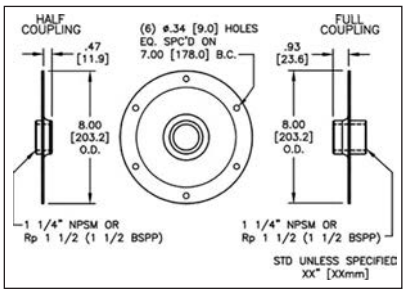
Provides low and high level control for light to average weight materials.

Replacement Motor

Flexable Coupling

The flexible coupling works to absorb heavy loads, side loads and loads caused by product surges, thus protecting the internal workings and extending the life of the paddle unit.

Mounting Plates



Mounting plates allow the paddle units to be mounted from the outside of a vessel to curved or flat surfaces. All mounting plates featured below mount via six bolts.

Shaft Extensions

Solid shaft extensions are available in a variety of lengths up to 144 inches (3.6 m) to meet these demands. A flexible cable extension is also available. This 6.5 foot (2.0 m) flexible extension can be easily shortened in the field by the user. The use of the flexible cable extension for lengths greater than 3 feet (0.9m) requires the use of a guard to ensure proper activation of the rotary paddle bin monitor.

Rotary Paddle - SafePoint® Truly Fail-Safe Sensor

Economical point level control sensors for the detection of dry bulk materials. This level switch is ideal for use as low level and high level indicators in bins, silos, hoppers, and other vessels.

Proximity Switch

Solid state compact capacitance-type point level switches used to detect the absence or presence of bulk solids.

Vibratory Probe – PZP

The vibrating probe principle eliminates problems associated with temperature, humidity and material changes, while providing state-of-the-art electronic reliability and accuracy that requires no calibration. The Model PZP point level sensor provides the ultimate in sensitivity and performance.

Diaphragm Switches

The flush mount, non-intrusive BINATROL® diaphragm level switch is ideally used when vessel size or internal clearance is limited, or where protrusion into a vessel is not acceptable.

RF Capacitance – MK2

TrueCap® RF capacitance probes are designed to provide a high level of sensitivity, stability and durability for powder and bulk solids applications, as well as liquid and slurry applications. The Model MK2 is a state-of-the-art point level sensor providing maximum performance, reliability and value.

RF Capacitance – MK2e

TrueCap® RF capacitance probes are designed to provide a high level of sensitivity, stability and durability for powder and bulk solids applications, as well as liquid and slurry applications. The model MK2e provides high quality and performance at the lowest possible price.

Vibratory Probe – VibraRod™

The vibrating probe principle eliminates problems associated with temperature, humidity and material changes, while providing state-of-the-art electronic reliability and accuracy that requires no calibration. The VibraRod™ provides reliable point level measurement sensing in a wide variety of applications within powder and bulk solids markets.

Tilt Switches - TC-1 and TC-3

The Model TC-1 and TC-3 tilt switches can be used as high level indicators to eliminate bin overflow or to control levels in open piles.

MONITOR - CONTINUOUS LEVEL MONITORING

Weight & Cable-Based

The SiloPatrol® SE continuous level measurement and Inventory monitoring system is the first truly robust smart cable-based (weight and cable / plumb bob / yo yo type) bin level sensor system. It is a field-proven approach to reliably monitoring the level of material in bins, silos and tanks up to 150 ft (45.7 m) in height.

Flexar® Guided Wave Radar

Flexar guided wave radar continuous level monitoring technology has been installed in thousands of powder and bulk solids applications worldwide. We uniquely combine this strategically acquired technology with five decades of expertise and focus in powder and bulk solids applications, and with our SiloTrack™ inventory management software interface.

SILO TRACK™
Inventory Management Software V3.5

SiloTrack™ Inventory Management Software Version 3.5 is the next evolution of Monitor's popular PC-based application software that provides users with an unsurpassed, flexible graphical interface for our industry-standard SiloPatrol® SE Model SMU inventory monitoring sensors and our Flexar® guided wave radar continuous level measurement sensors. Refer to bulletins 343P (SMU) and 353P (Flexar) for more information.

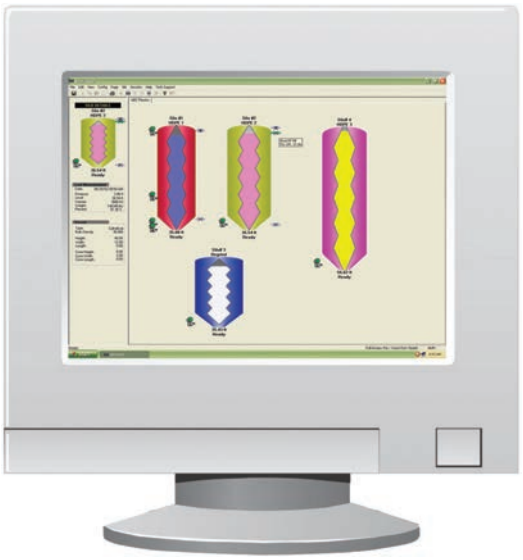
SiloTrack software includes a Server and Client version. Together SiloTrack Server and Client provide inventory monitoring and management capability to a virtually unlimited number of users. Users can be internal and external to your facility, allowing you to easily implement remote inventory monitoring and vendor managed inventory.

HMI^2 Operator
Interface Control Console

The HMI^2 operator interface control console provides convenient, local interface for Monitor's "Smart" RS-485 SiloPatrol® SMU SE cable-based inventory monitoring sensors and/or Flexar® guided wave radar sensors. HMI^2 allows for monitoring up to 32 SMU SE and/or Flexar sensors.

The multi-functional HMI^2 controls sensor operations, displays measured and calculated data and performs/displays system and sensor diagnostic messages via two separate RS-485 communication networks.

The HMI^2 display screen can be easily switched to view calculated level, volume, weight or percent in addition to the basic distance measurement.



WIRELESS COMMUNICATION INTERFACE

Flexibility

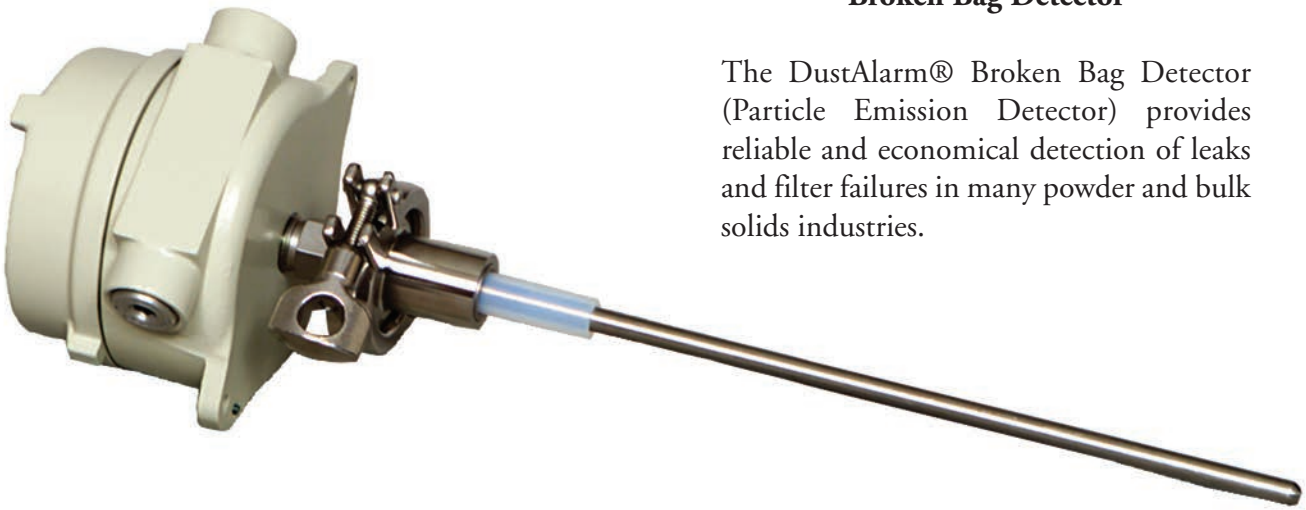
The Wireless Communication Interface can be utilized in numerous applications, even with multiple sensor networks and over 100 sensors. Each sensor network will require a wireless transceiver at the PC. A wireless transceiver is also required at the sensor location. Up to 16 sensors can be connected with one wireless transceiver pair.

Monitor - Solids Flow Monitor

The SFD-2 and SFI use low power microwaves to sense motion within the chute or pipeline being monitored.Microwaves are virtually unaffected by ambient noise and light, heat, humidity, pressure, vacuum, high or low temperatures or dust. This provides maximum effectiveness in typical industrial application environments. These advantages over sonic or mechanical flow monitors make microwave technology the best choice for solids flow monitoring.

DUST ALARM®
Broken Bag Detector

The DustAlarm® Broken Bag Detector (Particle Emission Detector) provides reliable and economical detection of leaks and filter failures in many powder and bulk solids industries.



MISCELLANEOUS

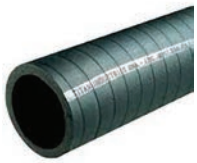
Hose Couplings

Hose Products

- Rubber air and water Hose
- General purpose to heavy duty hose

Material Handling Hoses

Slurry & Material, Dry Bulk, Hot air Blower Hose, Industrial Vacuum Hose



Slump Master G3- Slump Inspection Platform

C & W Manufacturing's Slump Master G3 is desined to offer a safe way to check your concrete's slump, add fiber additives, and wash trucks. The Slump Master G3 follows all OSHA regulations to keep your personnel safe.

The Slump Master G3 provides maximum utility for front- and rear-discharge mixer trucks. Built for harsh environments, the Slump Master has been designed for long-lasting durability while keeping **personnel safe**.

Features of the Generation 3 Model:

- Lightweight, Compact design - Single weighs 2150 lbs; a Double weighs 2800 lbs
- Can ship LTL Freight (Saia, FedEx Freight, etc)
- 'Stacks' on flatbed trucks - (stack 2 high, with minimum order of 4 to balance weight)
- Single and Double Slump Master utilize only 1 tower (Gen II Double had 2 towers)
- Stair treads are made of sand-infused Fiberglass with tapered bars that allow for 'self-cleaning' and slip-resistant grit top. Stair runner is constructed of steel.
- Decks are made of meniscus Fibergrate® combining corrsion resistance with strength, long-life, slip-resistance and safety.

Sight Glass Tubing - 5/8" OD x 6 Ft. Long and 1/8" Thick tubing for truck water tanks

Tubing Brush - 3/8" x 34" Sight Glass tubing Cleaning Brush

Planetary

Planetary Mixers from Mixer Systems are the only ones of their type designed and manufactured in the U.S.A. The patented design produces a unique "counter current" mixing action, resulting in a fast, homogeneous mix in as little as 30 seconds.

Planetary Mixer Specifications

Mixing Tank:
Steel all welded construction. Floor is 3/8" thick. Drum wall is 3/16" thick. Tank is welded to an I-beam frame with mounting holes. Frame also has lifting lugs for unloading and handling mixer.

Liners:
Replaceable bolted wall and floor liners of abrasion resistant AR225 (225 Brinell hardness) steel. Floor and walls are 3/8" thick. Optional AR360 (360 Brinell hardness) floor liners are 1/2" thick.

Planetary Mixing Cover:
Hinged access doors with neoprene rubber gaskets. Six hinged access doors. Doors equipped with over-center draw latches of malleable iron with corrosion resistant coating. Cover is bolted to outside of mixer drum and is rotatable 360 degrees.

Safety Electrical Interlocks:
Motor emergency stop station and "cover down" limit switches provided. Ten-second start-up with audible alarm.

Electric Motor:
Dual voltage, 230/460 volt, 3-phase, 60 hertz, 1800 RPM, totally enclosed, fan cooled, cast iron frame. Special voltages available upon request. Motor mounted on adjustable frame with two belt tensioning bolts and four lock-down bolts.

Planetary Mixer Transmission:
Modular Planetary type with heavy duty swing bearing and hardened gears. All components static lubricated. Transmission has a 5 year warranty.

V-Belt Drive:
One banded belt with multiple grooves, fiber-reinforced molded rubber construction.

Mixing Components:
2" diameter formed steel arms with abrasion resistant, replaceable urethane wear guards. Arms are fastened to supports with a 3/4" bolt in a self locking threaded hole. Arm support tubes are 3" diameter and bolted to a rotating case. Inside and outside scrapers are cast Ni-hard segments with slotted mounting to adjust for wear. Cast Ni-hard or rubber paddles are mounted to the mixing arms with 3/4" bolts.

Discharge Door:
Steel door swivels horizontally to provide discharge opening at circumference of mixer. Outer edge of door is supported by steel rail. Door pivots on sealed self-lubricated sleeve bearings retained in cast steel housing. Up to four doors per mixer at 90-degree increments available. Standard is air-operated door with double solenoid valve, air line lubricator and moisture trap. Optional hydraulically operated door available.

Paint:
High grade machinery enamel. Consult factory for special paint types, colors and procedures.

Twin Shaft Mixers

Introducing Mixer Systems NEW 4* and 6** cubic yard output Twin Shaft Mixer. Our Twin Shaft Mixer is designed with off-the-shelf components for ease of service and maintenance, featuring air purge shaft seals, a single drive motor, heavy duty cast steel mixing arms and a hydraulic discharge door. The high volume, high shear mixing action gives you mixing times from 60 to 90 seconds. The Twin Shaft mixer is designed and manufactured in the USA at our facility in Pewaukee Wisconsin.

* based on 164 cu. ft. mixer capacity @ 100 pounds per cubic foot
** based on 245 cu. ft. mixer capacity @ 100 pounds per cubic foot

Twin Shaft Mixer Specifications

Mixing Tank:
Mixing tank is 5/16" thick steel, all welded construction, vertical end walls are 3/4" thick.

Liners:
Drum liners are 3/4" thick, 550 brinnel hardness, cast nihard. Wall liners are 3/8" thick, 225 brinnel hardness.

Mixing Elements:
Cast iron arms, mixing blades and wall scrapers are cast ni-hard, 550 brinell hardness.

Cover:
Four (4) access doors are hinged at the top and sealed with foam rubber gaskets. All access doors are equipped with cover down safety switches which stop the power to the mixer drive if opened while mixer is running. There are two (2) water distribution manifolds inside the cover for even water distribution.

Drive:
A single electric motor, connected to a set of pulley's, drive the solid steel shaft that connects the right angle gear reducers to two (2) planetary drives delivering even power to each of the mixer shafts.

Electric Motor:
One (1) totally enclosed, fan cooled type (TEFC) motor. 460 volt, 3 phase, 60 hertz. Connected to gear box with V-belt drive.

Twin Shafts:
Two (2) 6" square, counter rotating steel mixing shafts; Each shaft is supported by two (2) outboard pillow block bearings and shafts are equipped with air purge seals to prevent mixing chamber leakage.

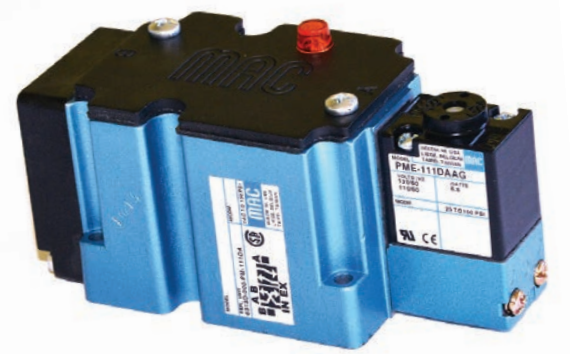
Discharge Door:
Inverted, roll gate pivots from the bottom and is supported by four (4), end mounted pillow block bearings, two (2) on each end, and is powered by two (2) hydraulic cylinders. Door runs the entire length of the mixer and has a double, rubber seal, and limit switches. Hydraulic power pack includes a 230/460 volts, 60 hertz, 3 phase motor, 5 GPM pump, double solenoid valve, pressure relief valve, 5 gallon reservoir, 10 micron filter, sight glass with thermometer, emergency hand pump with manual shut off valve for manual opening of the discharge door.

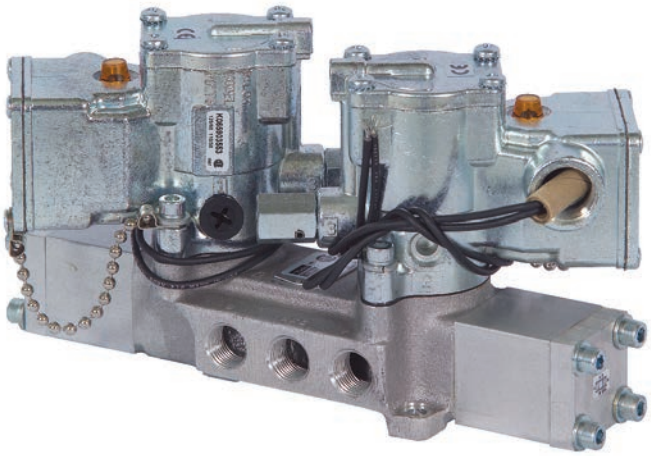
Paint:
High grade machinery enamel. Consult factory for special paint types, colors.

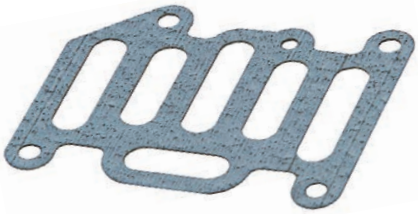
Warranty:
Five (5) year, limited warranty on the gear reducer.

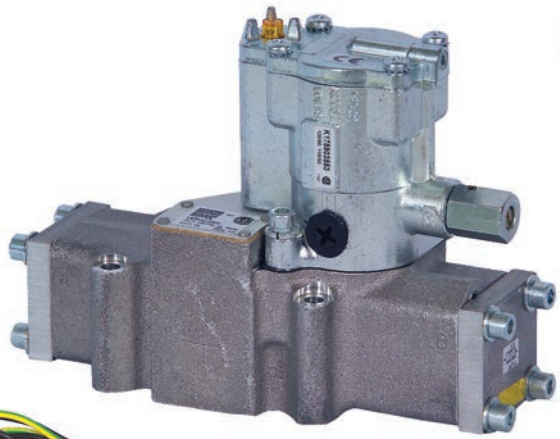
SOLENOID VALVES

AAA, ARO, ASGO, BRAY, GOYEN, JEFFERSON, KEYSTONE, MAC, PARKER, PNEUMATIC, REXROTH, SCHRADER BELLOWS, SMC, WAM









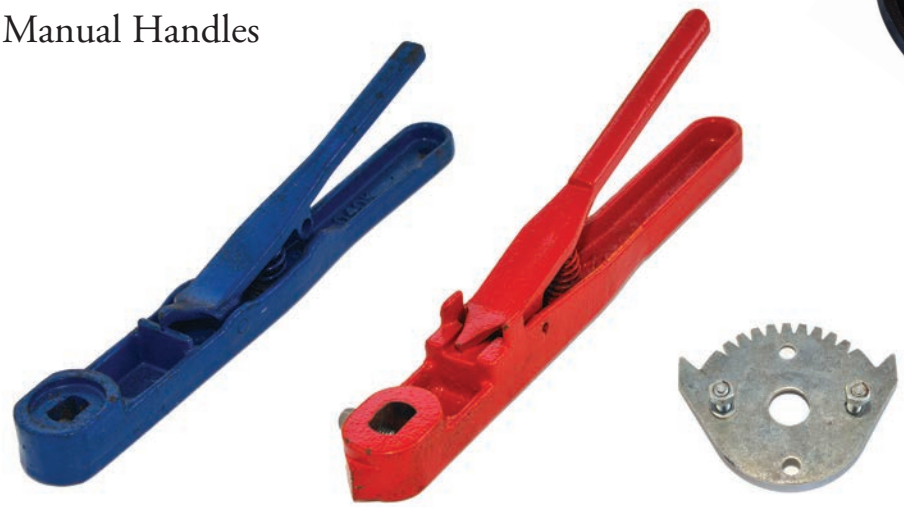
BUTTERFLY VALVES

Bray, Keystone and Wam Valves with Actuators

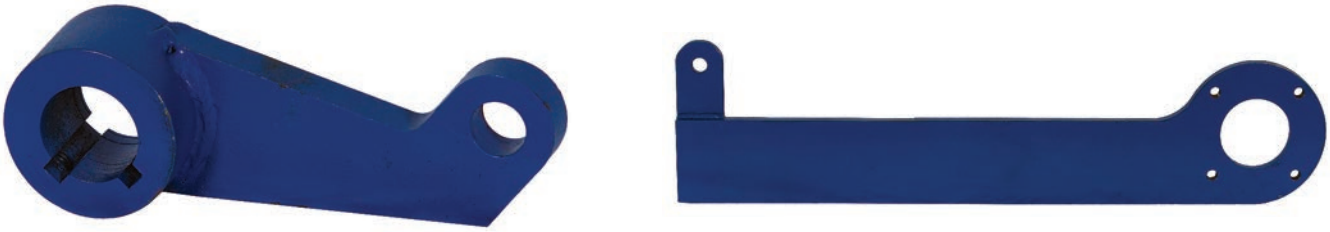
Limit Switches

Replacement Seats

Manual Handles



Wrench Arm & Mounting Bracket for Keystone Cylinder Set UP



SILO PREASURE RELIEF VALVES

Adjustable Weighted Pressure relief Valve

VCP Pressure Relief Valve that vents positive and negative pressure

ROTARY VALVES

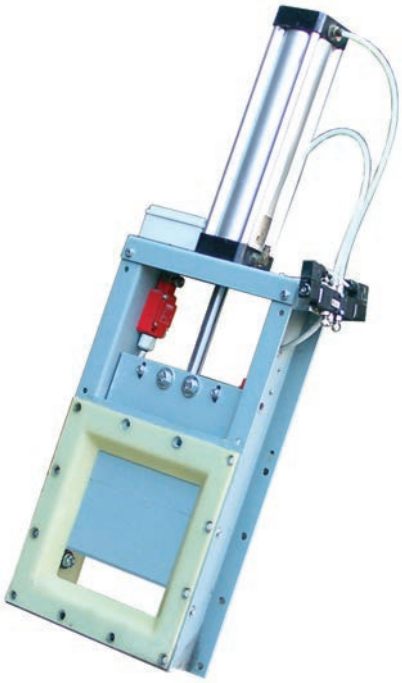
Rotolok and Wam Rotary Valves, Metering valves and Shutoff Valves

Metric or Standard, Round or Squares, and ceramic lined

BALL VALVES

Ball valves available in bronze, brass, carbon steel and stainless steel

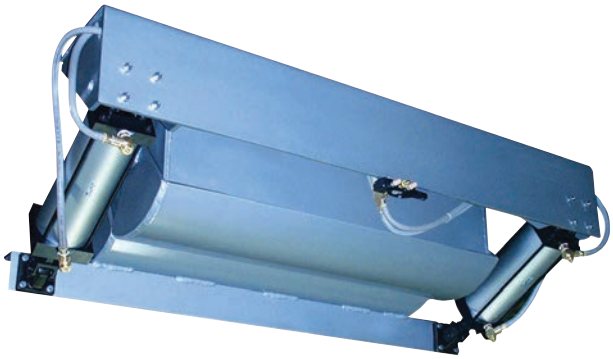
SLIDE GATES & KNIFE GATES

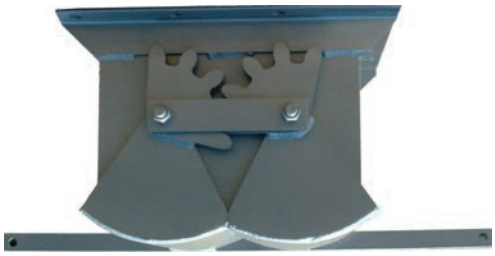


Wam and Orbinox slide and knife gates, round or square opening and operated with manual handle or pneumatic cylinders.

CLAM SHELL BIN GATES

Complete line of Simplex and Duplex bin gates constructed of heavy gauge steel plate, abrasion-resistant or stainless steel. Any model can be adapted for pneumatic operation. Easily attached to hoppers, bins, and chutes. Numerous sizes in stock.

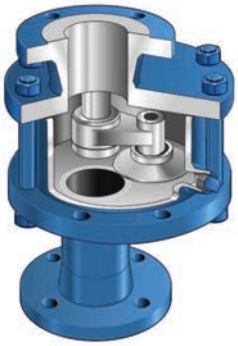




Everlasting VALVE COMPANY, INC.

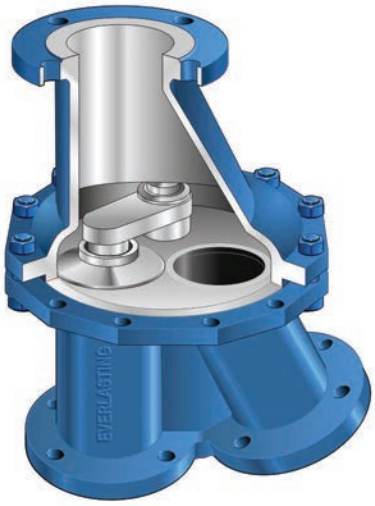
The Original Rotating Disc Valve

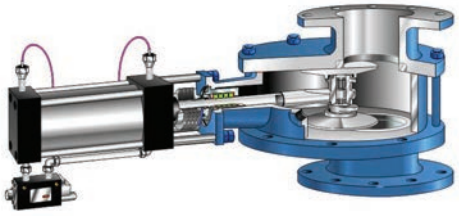
Invented by Everlasting Valve more than a century ago, our self-lapping, Rotating Disc Valve remains the toughest, longest lasting, best performing valve on the market today.



Process Valves
Used in dry powders or slurries of erosive media. Suitable for handling abrasive particulate in temperatures up to 1500°F and pressures as high as 10,000 psig, in sizes 1" through 18".

Diverter Valves
Can be switched without stopping the conveyor compressor. Used for slurries and dry powders, including: Portland cement, bottom and fly ash, titanium dioxide, tabular alumina, alumina silica, kaolin, Raney nickel catalysts and metal silicon powders.





Bulk Material Valves
Designed for pressurized (up to 100 psig) and vacuum systems, including dense and dilute phase pneumatic conveying systems, for transporter fill valve, discharge, and vent applications, transfer lines, under baghouses, silos and dust collectors.

Boiler Blowdown Valves
Our boiler blowdown valves are manual on/off valves that effectively blow down sludge formed in steam boilers. Available in quick opening, slow opening straight and angle configurations.

Everlasting VALVE COMPANY, INC.

SHEFFER PNEUMATIC & HYDRAULIC CYLINDERS

BUILT TO PERFORM

Sheffer's pneumatic actuators and cylinder series covers a wide range of applications from custom tie-rod cylinders to NFPA cylinders. With bores ranging from 3/4" thru 14" as catalog standards and larger as custom, with pressure ratings up to 250 PSI, these reliable, long-lasting cylinders bring Sheffer performance anywhere you require linear pneumatic actuators.

A Series – heavy-duty pneumatic cylinders
MA Series – medium-duty pneumatic cylinders
C20 Series – cast-iron pneumatic cylinders
AA Series – low-cost aluminum pneumatic cylinders
CL Series – heavy-duty clamp pneumatic cylinders

BUILT TO LAST

With quality, reliability and the ability to handle ultra-high pressure, Sheffer hydraulic cylinders bring numerous advantages to every application, from custom tie-rod cylinders and hydraulic actuators to NFPA cylinders.

HH Series – heavy-duty hydraulic cylinders
MH Series – medium-duty hydraulic cylinders
UH Series – ultra high-pressure hydraulic cylinders
CL Series – heavy duty clamp hydraulic cylinders

ACCESSORIES

Top to bottom.

Designed especially for our high-performance hydraulic and pneumatic cylinders, Sheffer accessories enable you to get maximum performance from your solution. And because they are built to the same standards as our other products, you know they're built to last.

- **Limit switch actuators – mechanical, magnetic, proximity**
- **Electronic positioning devices**
- **Valve mounting blocks available**
- **S.A.F.E. – Self Aligning Flange End**
- **Uni-Lign – Universal Alignment Mounting Accessory**
- **Clevis and pivot mounting brackets**
- **Jam nuts**
- **Front head spacer bars**
- **Rod clevis and pins**
- **Pin and retainer assemblies**
- **Rod aligning coupler**
- **Rod eyes**
- **Weld plates**

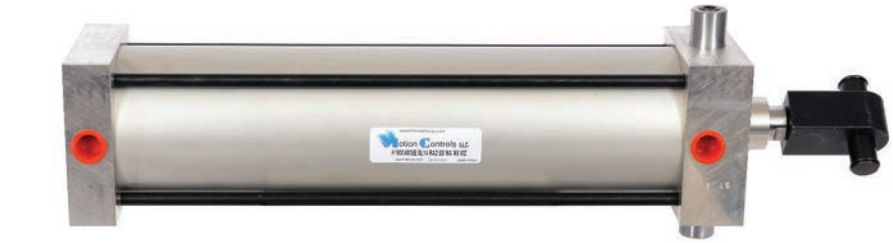
MOTION CONTROLS AIR CYLINDERS

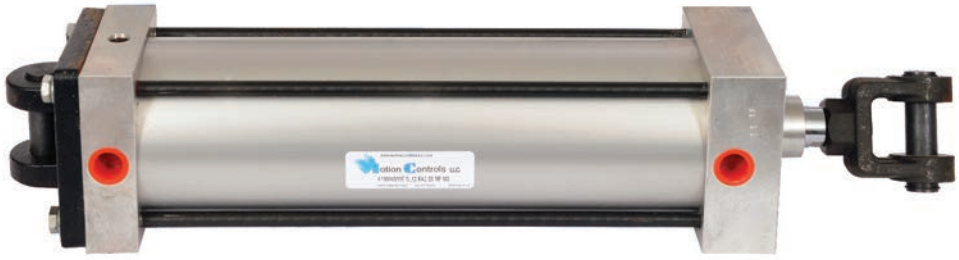
D SERIES:

Non-Metallic Bearings - A specially compounded reinforced Teflon material is used for the piston and rod bearings, assuring low friction characteristics. Bearing assembly is easily removed for quick replacement.
Non-Lube Operation - Long life D cylinders are specifically designed for non-lube operation.
Cushions - High energy absorption poppet style adjustable cushions are available as a standard option. Cushion adjusting screw is normally located in position number 4.
Piston Rod - Hard chrome plated steel, ground and polished. Two wrench flats standard on all bore sizes. Full male national coarse threads are standard. All other threads available as options.
Tubing - Hard coated I.D. aluminum for corrosion resistance and low friction.
Seals - All dynamic seals are self-adjusting Block Vee Buna-N U-cups.
End Caps - Machined high strength aluminum alloy.
Pressure Rating - 250 psi. air or "non-shock" hydraulic.
Temperature - Operating temperature range from a minimum of 10° F (-12°C) to a maximum of 200° F (93° C).
Cushions - Popper cushions can be specified for either or both ends of the Series "D" cylinder. Standard cushion length is one inch, with optional lengths of two, four, and six inches. Each standard cushion increases the cylinder length by one inch.

K SERIES

Non Metallic Bearings - A specially compounded reinforced Teflon material is used for the piston and rod bearings, assuring low friction characteristics. The bearing assembly is easily removed for quick replacement.
Non-lube Operation - Long life K cylinders are specifically designed for non lube operation
Cushions - High energy absorption poppet type adjustable cushions are available as a standard option. The cushion adjusting screw is normally located in position No. 2
Piston Rod - Hard Chrome plated steel ground and polished. Two wrench flats standard on all bore sizes. Small male national fine threads are standard. All other threads available as options.
Tubing - Hard coated I.D. aluminum for corrosion resistance and low friction.
Seals - All dynamic seals are self adjusting Block Vee Buna-N U-cups.
End Caps - Machined high strength aluminum alloy.
Pressure rating - 250 PSI air or "non stick" hydraulic
Temperature - Operating temperature range from a minimum of 10° F (-12° C) to a maximum of 200° F (93° deg C).





TURBINE VIBRATORS

VIBCO is the originator of Silent Turbine Vibrator. VIBCO Turbine Vibrators save air, are more efficient, don't require lubrication, and have virtually silent operation. A turbine vibrator will typically outlast a ball vibrator 3 to 1.

Model BBS

Model BVS

Model FBS

Model VS

Model MLT/MHI

Model CC

PNEUMATIC BALL VIBRATORS

Compressed air drives a hardened steel ball at high speeds around a highly finished and hardened steel race creating a high frequency vibration. VIBCO Ball Vibrators require lubrication to ensure long maintenance free operation and will start in any position. Mount your VIBCO Ball Vibrator either directly to your structure that requires vibration or use simple mounting plates welded or bolted to your structure. Mounting plates will produce a better vibration transfer to a larger surface.

Model BB

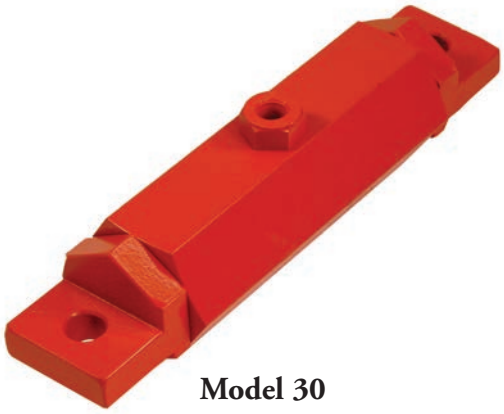
Model BV

Model V

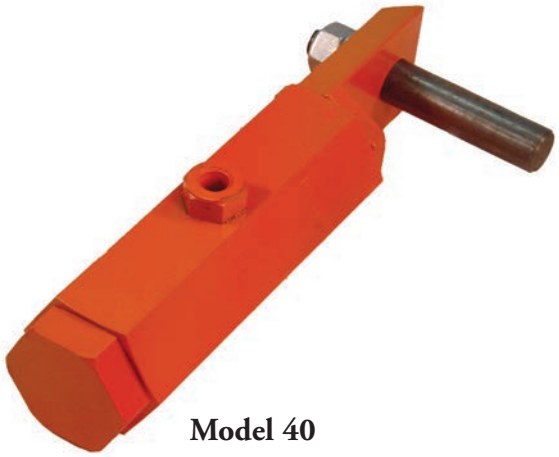
PISTON

VIBCO Piston Vibrators provide high impact and efficient energy transfer to ensure a smooth flow of material through bins, chutes, weigh batchers and other bulk material applications. Ideal for heavy industry, mining, chemical plants, plastics, manufacturing, foundries and paper plants, VIBCO's Pneumatic Piston Vibrators are reliable, durable, and guaranteed to perform.

Model 10

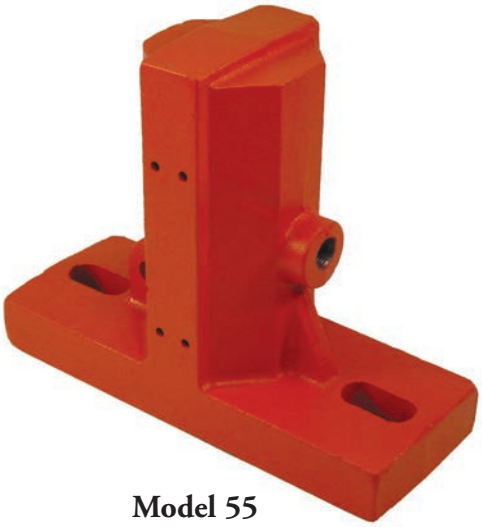


Model 30



Model 40

Model 50



Model 55

HIGH FREQUENCY PNEUMATIC VIBRATORS

VIBCO's engineers broke the sound barrier of high frequency vibration and developed a "Silent" high frequency vibrator that produces the same speed and force as conventional models... but without all the noise!

With a variety of sizes, brackets and models, VIBCO's High Frequency Pneumatic Vibrators are ideal for use on concrete forms including burial vault, septic tanks, manhole covers, steps, horizontal panels, and a wide variety of wall forming systems.

SVR-4000

SVRFS-4000

SVRLS-4000

SVRFS-5500

SVRLS-5500

SVRS-5500

SVRL-5500

SVR-8000

RAIL CAR SHAKERS

Ideal for the Toughest Applications:
Big Buster Pneumatic Vibrators are ideal for the toughest applications. From unloading railcars to moving materials in huge bins and hoppers (over 150,000 lbs.) — there's a VIBCO Big Buster that can do the job.

VIBCO Big Buster Vibrators provide high force and low frequency and are designed for continuous duty, lubrication is required. Precise speed control allows "tuning" of the vibrator so you can achieve the best possible results. Big Buster vibrators are available with a clamp-on base for portability and a bolt-on base for permanent mounting.

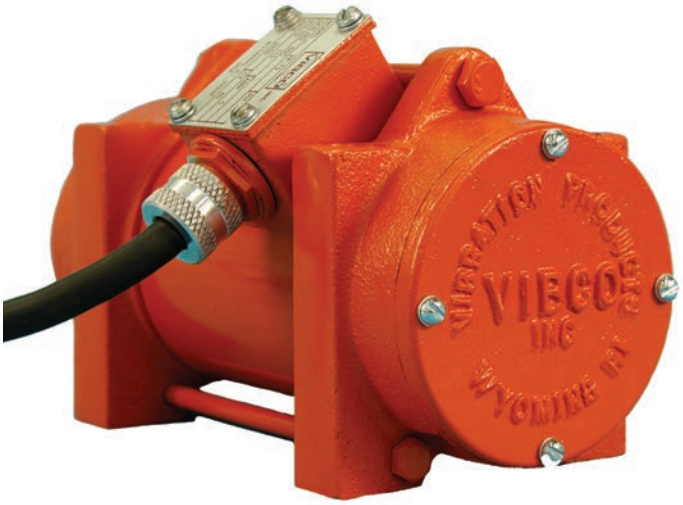
Model 44-3

PC 3500

CCW-5000

VIBCO HEAVY DUTY ELECTRIC VIBRATORS

VIBCO Heavy Duty Electric Vibrators are "workhorse" vibrators and can be used inside or outside in dust, dirt, rain or snow. VIBCO's Heavy Duty Electric Vibrators are used to speed the flow of bulk materials through any size bin, hopper or chute.



DC ELECTRIC VIBRATORS

Rugged, durable, Made in the USA 12 Volt and 24 Volt vibrators for use on all sizes and types of mobile equipment.

Use VIBCO DC Vibrators on:

- Fertilizer Spreaders and Farm Equipment
- Ice Control and Sand Spreaders
- Dump Trucks including Large Tri-Axle "Coal Bucket" Trucks
- Mobile Bins and Hoppers
- Concrete Pumps
- Grizzlies

US SERIES ELECTRIC

VIBCO's Model US High Frequency line are 115 volt single phase motors with low amperage draw.

VIBCO's US line can be plugged into any light outlet or operated from field generators. All units are **speed adjustable** with rheostat or electronic speed controls. US-900 and 1600 have adjustable eccentrics. *The US line is, due to the high frequency, rated for intermittent operation.* 230 volt available on most models.

MOUNTING BRACKETS

VIBCO Vibrators offers a complete line of mounting hardware and brackets to suit any mounting configuration in a wide variety of industrial and construction vibrator applications. We offer mounting brackets, clamp blocks, railroad car shaker wedge brackets and clamp-on brackets, adapter plates, brackets for any manufacturer's concrete forms, and our VIBCO Easy Mounting System is perfect for most industrial vibrator installations.

JVS & ACE ELECTRIC INTERNAL VIBRATORS

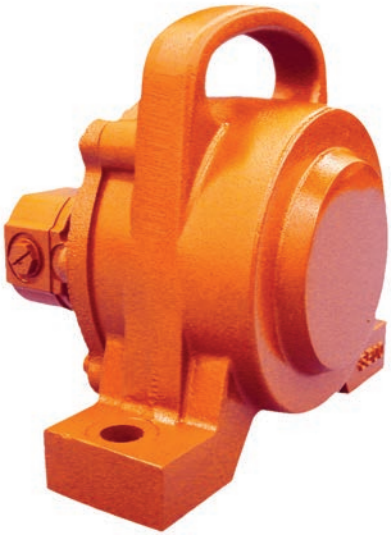
Interchangeability is VIBCO's solution to making the tough job easy.

- Heavy Duty Universal Motor
- Interchangeable Heads
- Interchangeable Flexible Shafts
- Reversible Shafts for Double Life
- Shafts Available Up to 21 Ft.

HYDRAULIC VIBRATORS

VIBCO MODEL B, HF BIG BUSTER™ & HLF HYDRAULIC VIBRATORS

Save time and money on maintenance, labor and hassle with VIBCO Hydraulic Vibrators. They are the perfect choice for heavy-duty, dirty jobs like construction equipment, farm equipment, mining, construction and other applications in wet, muddy, or dusty conditions. They are an ideal OEM solution or a great after-market replacement.



COMPACTORS PLATES AND ROLLERS

VIBCO Plate Compactors and VIBCO Vibratory Rollers are the highest-quality compactors available - and they have the shortest lead times in the business. Our lean manufacturing practices ensure that you can have the equipment you need, with the options you want, exactly when you want them.

VIBCO Plate Compactors and Vibratory Rollers are ideal solutions. Their speed and compaction rates increase productivity by reducing the number of passes required to complete any job and our use of lighter weight materials mean that all models are easily portable. They feature handles that lock at 90 degrees for easy lifting and transport.

VIBRATING TABLES

VIBCO Vibrators offers affordable, effective and durable vibrating tables to suit any industrial or construction application. From settling material for shipping or consolidating concrete, VIBCO has a Vibrating Table solution to meet your needs.

Industrial Applications
- Put more material into smaller containers
- Ship less air
- Reduce overflow and spillover waste at filling stations
- Perform fatigue testing
- Top quality, fastest delivery

Concrete and Construction Applications
- Reduce the need to trowel during pours
- Reduce or eliminate the need to hand finishing to remove flaws caused by trapped air
- Dramatically improve product quality and reduce defects without increasing costs

Badger Meter

Turbo Meter with Butterfly Valve Assembly

The Badger Meter Turbo/Butterfly Valve water batching system is designed to control and measure the water batching process in concrete batch plants, block plants, pre-stress concrete batch plants or wherever there is a need for water batching. Our reliable Industrial Turbine Meter, with either an unscaled pulse transmitter or an electronic scalable transmitter, combined with a solenoid-controlled air operated butterfly valve creates a water batching system that provides accurate and dependable service in all types of batch plant environments. Replace parts - transmitter head, scaler board, impeller, and seals.

Water Meters with totalizers and Meters with reed-switch pulsers in sizes from 1/2" to 3" for the measurement of both Cold and Hot Water to 194 degrees F.

Meters are Single-Jet and Mulit-Jet impeller meters, the impeller movement is transferred by a magnetic coupling to a sealed vacuum register.

ECO-BRASS Lead Free Cold/Hot Multi-jet Meters

SMART STOP

Automatic Shut-Off System for Cement Concrete Trucks

With the push of a button, this water-tank filling system starts the water flow to the tank through the hose. When the water level reaches the top of the tank, it contacts the sensor on the fill nozzle, send a signal to the solenoid, and the valve closes automatically.

Aside from the valve there are no moving parts, and components are very rugged due to simplicity of design.

MOISTURE MEASUREMENT

AquaControl controls the water dosing in the mixer to give consistent moisture or slump in the final product.

AquaControl touch-screen moisture controller, together with the rugged and accurate AquaMix moisture sensor, gives three different methods of concrete moisture control. This allows you to choose the best, most accurate control method for your plant and product. You will see up to 30% improvement in speed, compared with older resistance-based methods.

GOULDS PUMPS

Goulds centrifugal pumps, submersible pumps, slurry pumps, process pumps, and radial pumps

ABRASION-RESISTANT LINERS

SHEETS

Typical Applications

- Bins
- Hoppers
- Turnheads
- Chutes
- Discharges

Benefits of Argonics Liners:

- Incredibly high split-tear resistance
- Extreme wear resistance
- Reduced product adhesion due to low coefficient of friction
- High oil and grease resistance
- Not susceptible to thermal expansion
- Flexibility aids in proper fit
- Elastomeric properties reduce breakage of and damage to the conveyed product

KRYPTANE

Kryptane urethane sheets are available in standard 4'x8 , 4'x10 , 5'x8 and 5'x10 sizes from 1/8 to 1 thick.

Sheets can be made in plain, fabric backed, expanded metal backed, solid metal backed, and weldable configurations.

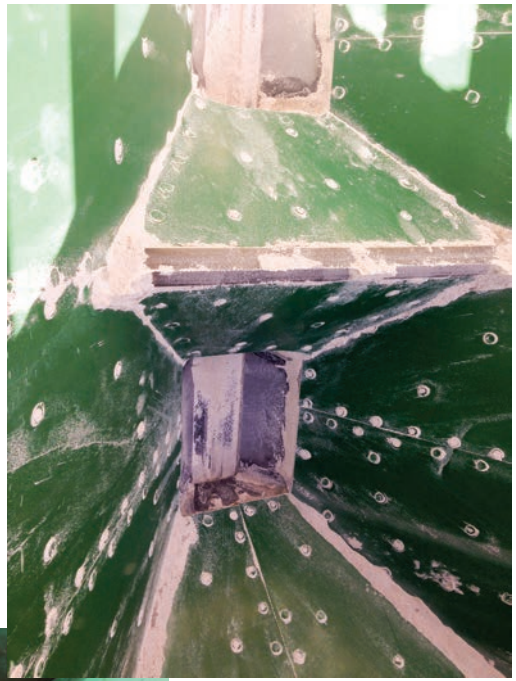
Options for installation include adhesive, welding and a variety of common fasteners. Argonics also offers Kryptane urethane-capped bolts that can be used in conjunction with our universal counterbore tool.

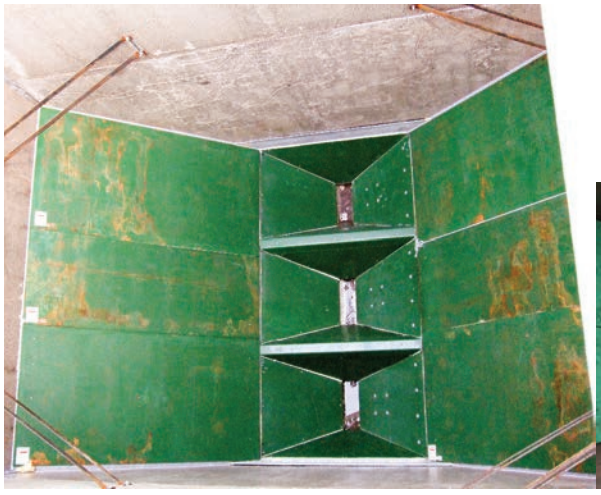
Custom liners are available for quotation, made to the dimensions of your chute, bin or hopper. Our custom liners can save you hours of labor usually spent cutting and fitting sheets in the field.

ROLLS

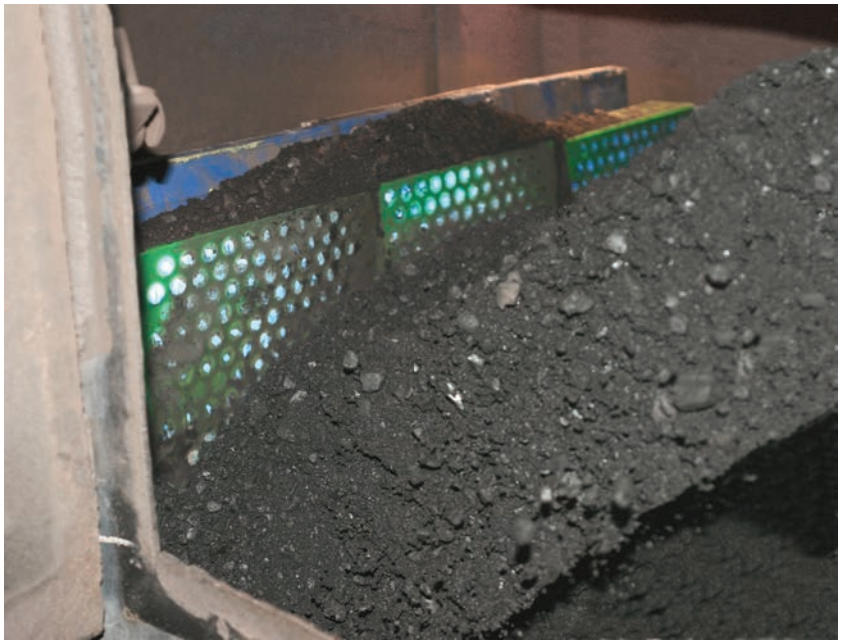
Kryptane® urethane liners are also available in 4- and 5-foot wide rolls, with lengths of 25, 50, 75 and 100 feet.

Backings available are plain (25 and 50) and fabric, with thicknesses from 3/16 to 1.





Redi-Liner



Redi-Liner is easy to install and will outlast most any other wear product available today.

With the option of both solid and ceramic-embedded urethane in one area, the interchangeability makes for an easy solution in your toughest wear spots.

Quick change-out allows for limited downtime and and easily manages your hot spot repairs.

Kryptile Ceramic Liners

Kryptile is the solution for aggressive applications. Kryptile ceramic liners combine the wear resistance of high alumina oxide ceramic with the impact resistance of Kryptane® polyurethane. Kryptile liners are all custom designed to the shape of your chute, bin or hopper, eliminating the need to cut or fit the liners in the field and ensuring a perfect fit every time.

• Kryptile KT is the original ceramic hextile liner. The hextile formation is closely gapped to provide superior sliding abrasion resistance in high fines applications, wet or dry. Kryptile KT is generally not recommended for applications where there is impact; it is for slide abrasion only.

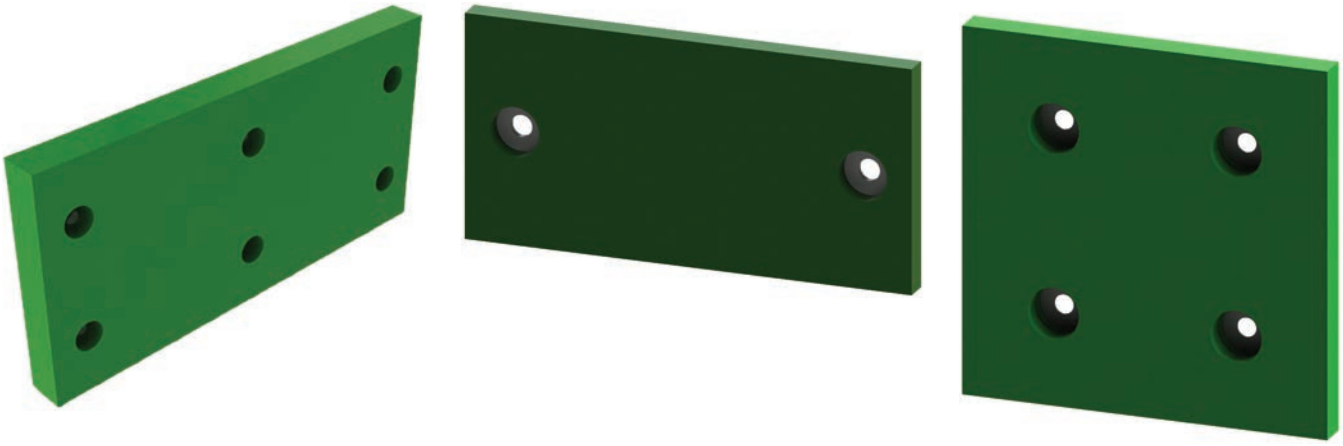
• Kryptile KC works well in virtually all applications. Kryptile KC is available in liners at least 11 /4" (32 mm) thick. Kryptile KC is generally recommended for applications with 6" (152mm) minus rock dropping a maximum of 4 feet (1.22 meters).

• Kryptile KS is specifically designed for aggressive applications with high impact and large rock. Kryptile KS is generally recommended for applications with 10" (254mm) minus rock dropping from a maximum of 6 feet (1.83 meters).

• Kryptile KH is our ceramic cube liner. Kryptile KH is available in liners at least 2" (51 mm) thick. Kryptile KH is generally recommended for applications with 15" (381mm) minus rock dropping from a maximum of 8-10+ feet (2.44 – 3.05+ meters).

Modular Liners

Argonics has a variety of options available to line your screen feeder and discharge lips. Simply choose a panel that best fits your application from one of the many options in our full line. Don't see one that will work for you? We can custom make one that will fit your need.



MAGNETIC MODULAR PANELS - Available in: 6" X 12", 12" X 12", and 12" X 24" Panels

CUSTOM LINERS

Custom liners can be used anywhere our standard sheets don't fit, where weight and size are a concern, or where a long-term solution is needed. Our custom liners save you hours of labor usually spent cutting and fitting sheets in the field.

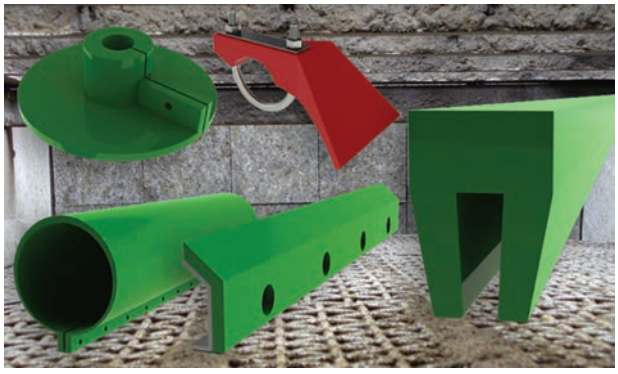
- Pieces are manufactured to fit precisely together
- Easy to replace one piece at a time
- No wasted material
- No extra labor cutting pieces from standard sheets
- Faster installation
- Extremely fast delivery
- Liners can be solid urethane or ceramic-embedded.

Backing options include plain, fabric backed, expanded metal backed, solid metal backed, and weldable configurations.

Options for installation include adhesive, welding and a variety of common fasteners, including our coated bolts.

SCREEN DECK PARTS

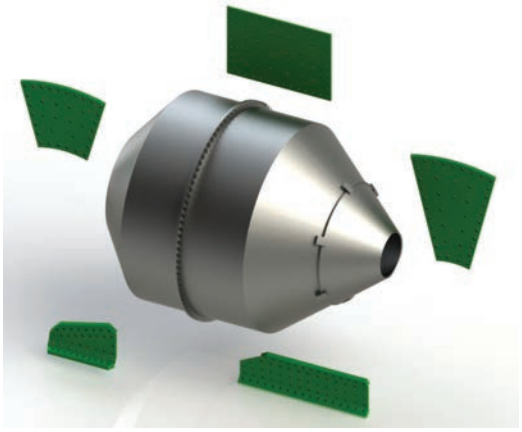
We have a variety of reliable, long-lasting screen accessories to meet your needs, including:



- Crown bar channel cover
- Coated bolts
- Spray deflectors
- Nut protectors
- J-blocks
- Screen deck shaft tube covers
- Screen spray pipe protectors
- Urethane-lined pipe
- Kryptane® polyurethane is resistant to corrosion, easy to handle and lightweight.

MIXER DRUM LINERS

Concrete Mixer Drum & Blade Liners



The Evolution mixer drum liner features Argonics' unique Kryptane formula and uses more weld plates along the edges to reduce concrete penetration under the liner. Weld plates are securely anchored in the liner, ensuring a secure liner fit.

Our blade liners are made from the same material as the Evolution liner, so they have the same wear properties and use the same Snap-Tite™ plugs.

Argonics guarantees 100% that Evolution will never delaminate.

Wrap-around Blade Liners

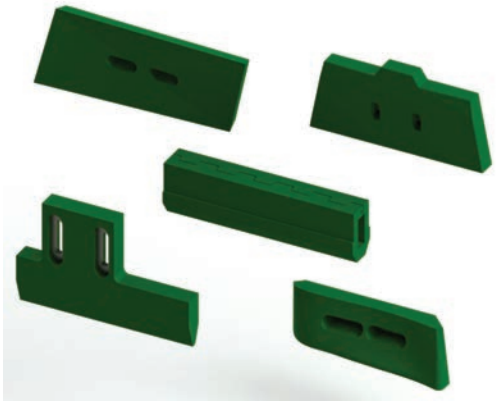
Wrap-around blade liners prevent concrete migration underneath the liner and eliminate the need for steel flat bar edge protection. Available for all major mixer manufacturers' drums and made with the same Kryptane® polyurethane as the Evolution liner.

PAN MIXER PARTS

Mixing Paddles and Scrappers

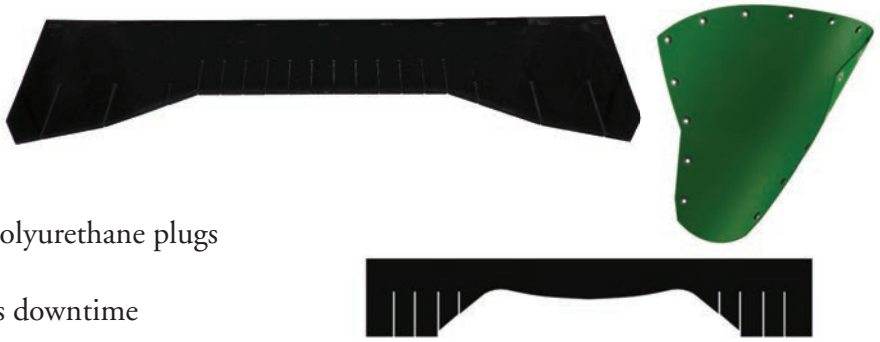
Argonics mixing paddles and scrapers are engineered to retrofit OEM equipment. They attach in a similar fashion to metal blades, so change out is easy. They are manufactured from the same Argonics Kryptane polyurethane formulas that the ready mix industry has come to trust over the past 20 years.

- Superior abrasion resistance
- Lasting durability
- Sound reduction
- Reduced concrete buildup
- Easier wash downs and clean-up
- Strong steel insert embedded
- Shortend lead times
- Custom parts



MIXER TRUCK PARTS

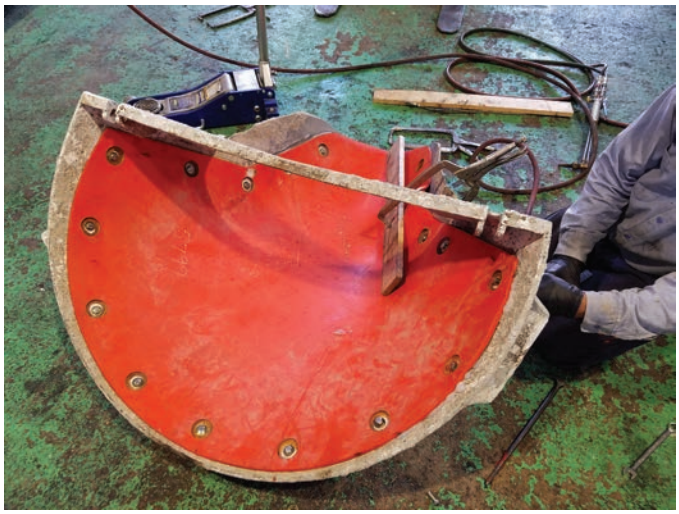
Charge hopper & Chute liners



Our charge hopper liners feature:

- Weld-in design with Snap-Tite™ polyurethane plugs
- Easy wash downs and clean-up
- Wear-resistant polyurethane reduces downtime

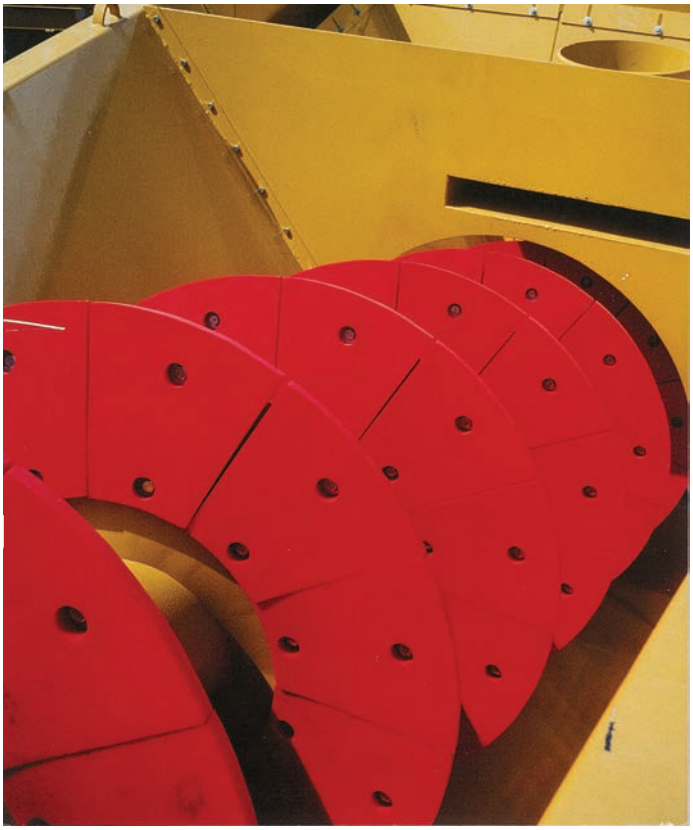
- Argonics' bibs have precut bolt holes to allow quick replacement
- Superior abrasion resistance means lasting durability
- Custom colors to match your fleet
- Rear and front discharge liners also available



CLASSIFIER PARTS

All classifier parts are easy to handle, lightweight, resistant to corrosion and available for a broad range of equipment.

- Shoes
- Downcomer spouts
- Valve seats and seals



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