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- Murphy
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- light towers
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see line card or flyers for additional info

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Customer: Test ID: 221
Test Date: 6/2/2009 10:57:17 AM
Test Duration: 00:02:03
Serial Number: GP060209-1

Product: POLYESTER SLING
Size: 2"

Description:
Length: 16'
Model Number: EE2-902P-ME
WLL: 6,400 LBS

Operator NZ
Material LIFT IT POLYESTER SLING X 16'
Notes U-22121

These products have had a load applied to them in conformance with the customer's specifications. There is no warranty, expressed or implied, by the test machine manufacturer that these products are suitable for a purpose or use.

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This is to certify that Columbus McKinnon Corporation has subjected all Herc-Alloy 1000 Chain & Herc-Alloy Attachments of its manufacture to proof tests. The figures to the left specify the Working Load Limits applicable to the items there set forth and are in conformance with Alloy Chain specifications as published by CM Industrial Products Division, Columbus McKinnon Corporation.

The Working Load Limit of the chain & attachments assembled and described to the left is established as pounds shown herein, with applied tensile force at the indicated degrees from horizontal. Proper modification of this Working Load should be made to compensate for added force when used at other angles. Do not use sling, however, at angle of less than 30°.

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Johnson Matthey’s single or multi-element CXX™ catalytic converters are specially designed for easy access to simplify installation, maintenance and catalyst replacement. These converters reduce emissions from IC engines, 50 to 500 hp, and are available in a variety of standard sizes.

**Built-In Flexibility, Easy Access**

CXX catalytic converters are designed so that you can access the catalyst with ease. The flexible multi-element design allows for additional elements to simply be locked in. That means you buy only what you need now, but as needs or regulations change, you can add on and be sure of compliance. Access is further simplified with quick-release clamps for maintenance and replacement. With the CXX, you’ll save time, effort and expense every time you need to access the catalyst.

Plus, if you need a catalyst replacement, simply open the latches and the catalyst is easily removed, leaving the converter in place. There’s no need to replace the entire housing. The CXXs lightweight converter can be installed and ready for operation in minutes.

**Features:**
- For IC Engines 50-500 HP
- Multiple Applications: Gas Compression, Power Generation, Irrigation, Pumping, Standby Equipment, Pump Jacks
- 3-Way or 2-Way Conversion
- Easy Access to the Catalyst
- Compact, Lightweight and Flexible Design
- Stainless Steel Construction

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- Dual Fuel
- Biodiesel
Exceptional Strength and Longevity
Through Cutting-Edge Brazing Technology

At the heart of the CXX catalyst element is state-of-the-art brazing technology that delivers superior strength and durability. Instead of using mechanical means, each layer of our catalyst element is securely bonded to each other by brazing. This creates unparalleled resistance to element sagging, distortion and unraveling due to engine operating conditions.

Johnson Matthey’s advanced technology and proprietary composition and design ensure maximum catalyst performance. Our metal monoliths, which are brazed thin-walled, stainless steel honeycomb supports, are nearly impervious to damage from mechanical or thermal shock and metallurgic erosion. The unique design and construction of Johnson Matthey catalysts reduces back pressure for fuel savings, reduces engine wear and extends catalyst life. Manufactured using durable and highly dispersed platinum group metals (pgms), our catalysts provide the highest catalytic activity and poison resistance available today.

Superior Performance

CXX converters employ an NSCR 3-way catalyst that simultaneously reduces NOx, CO and HC emissions or a 2-way oxidation catalyst to reduce HCs and CO. The CXX can destroy up to 99% of these pollutants, including Acetaldehyde, Formaldehyde, Acrolein and Methanol, by converting them into environmentally safe nitrogen, carbon dioxide and water.

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Available in 5’x5’ or 5’x4’ sections. (custom sizes available)

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* Can easily and efficiently handle anything from water to 90% solids.
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We deal with a huge variety of different brands of centrifugal pumps.

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We are the local distributor for Gorman Rupp petroleum pumps.

Gorman-Rupp manufactures a full line of pumps especially designed for pumping clean, non-abrasive petroleum products. Bulk plants, tank farms, barges, tank cars or trucks, aircraft fuels, gasoline, fuel oil, petrochemicals and hundreds of other petroleum-based products can be handled safely and efficiently with Gorman-Rupp pumps.

See attached for complete petroleum pump line.
Gorman-Rupp manufactures a full line of self-priming centrifugal pumps specifically designed for pumping clean, non-abrasive petroleum products. Bulk plants, tank farms, barges, tank cars or trucks, aircraft fuels, gasoline, fuel oil, petrochemicals, biodiesel, ethanol, and hundreds of other petroleum-based applications can be handled safely and efficiently with a Gorman-Rupp pump.

**Roto-Prime® Self-Priming Centrifugal**

Sizes: 3” x 2” to 6” x 5”  
(75mm x 50mm to 150mm x 125mm)

Max Capacity: 1460 gpm (92 lps)

Max Head: 390’ (119 m)

Seal Elastomer: Viton®, Teflon®

Material of Construction: Ductile Iron, Cast Steel

Roto-Prime® self-priming centrifugal pumps are specifically designed for pumping petroleum products, petrochemicals, solvents, and today’s fuel formulations. The Roto-Prime design incorporates a variable capacity vane pump which quickly and automatically evacuates air and vapor, making them ideal for off loading transports and stripping hoses.

Optional air release evacuates air in the suction line to ensure positive self-priming even when pumping against moderate to high static heads.

**O Series® Pumps**

Sizes: 2” to 6”  
(50mm to 150mm)

Max Capacity: 1350 gpm (85 lps)

Max Head: 400’ (122 m)

Seal Elastomer: Viton®

Material of Construction: Gray Iron and Aluminum

Gorman-Rupp O Series® self-priming centrifugal pumps have a straight-in suction design which eliminates entrance restrictions and provides better performance when handling petroleum products, solvents and similar liquids.

O Series® pumps are available pedestal mounted for flexible coupling to a power source or close-coupled to electric motors.

**80 Series® Pumps**

Sizes: 1 1/4” to 8”  
(30mm to 200mm)

Max Capacity: 2100 gpm (133 lps)

Max Head: 210’ (64 m)

Seal Elastomer: Viton®

Material of Construction: Gray Iron  
(consult factory for other available metals)

80 Series® pumps are designed for non-stop workloads. The straight-in suction design of these high-efficiency pumps guarantees quick, positive self-priming and allows them to operate at higher suction levels than most other self-priming centrifugal pumps.

Liquid enters directly into the impeller eye. A suction check valve prevents in-line return flow when the pump is shut off. Because 80 Series pumps have few moving parts, maintenance is minimal. 80 Series pumps are available with self-lubricated mechanical shaft seals.

**O & 80 Series® Close-Coupled**

Sizes: 1 1/4” to 2”  
(30mm to 50mm)

Max Capacity: 135 gpm (9 lps)

Max Head: 92’ (28m)

Seal Elastomer: Viton®, Teflon®

Material of Construction: Gray Iron

Close-coupled, electric motor-driven pumps are available for installation where space is limited. Motors are explosion proof. Pumps feature a straight-in suction design which allows them to operate at higher suction lifts than most other self-priming centrifugal pumps. Ideal for flammable liquids.
**Shield-A-Spark Engine-Driven Pumps**

Sizes: 2” and 3” (50mm and 75mm)

Max Capacity: 370 gpm (23 lps)

Max Head: 125’ (38 m)

Seal Elastomer: Viton®

Material of Construction: Aluminum

Engines: Gasoline or Diesel

Gorman-Rupp Shield-A-Spark self-priming centrifugal pumps are designed for pumping clean petroleum products, when using a bronze impeller with the Ductile Iron casing. These centrifugal pumps are engineered for maximum operating efficiency and minimal energy consumption. VGH and 60 Series pumps can be mounted to explosion-proof electric motors. The 60 Series is the straight centrifugal version of the Roto-Prime pump.

Unit features Shielded ignition wire which provides enclosed path for high tension spark. Ignition switch is safe and spark-free. Muffler is designed to retard sparks.

**Power-Take-Off Pumps**

Sizes: 2” and 3” (50mm and 75mm)

Max Capacity: 400 gpm (25 lps)

Max Head: 450’ (137 m)

Seal Elastomer: Viton®

Material of Construction: Aluminum and Ductile Iron

Self-priming centrifugal PTO pumps are ideal for handling aircraft fuels, fuel oil and gasoline. These pumps have no check valve and provide better suction performance when handling solvents, petroleum products and similar liquids. Pump features lightweight aluminum volute and impeller, replaceable bronze wear ring and quiet operation (O3H available in ductile iron).

Available with right or left hand rotation. Designed for truck mounting.

**60 & VGH End-Suction Centrifugal Pumps**

Sizes: 1 1/4” to 8” (32mm to 203mm)

Max Capacity: 4800 gpm (302.8 lps)

Max Head: 490’ (149 m)

Material of Construction: Ductile Iron Casing, Bronze Impeller, Aluminum Impeller, Viton® seal, Ductile Iron or Steel housing

VGH standard centrifugal pumps are designed for pumping clean petroleum products, when using a bronze impeller with the Ductile Iron casing. These centrifugal pumps are engineered for maximum operating efficiency and minimal energy consumption.

VGH and 60 Series pumps can be mounted to explosion-proof electric motors. The 60 Series is the straight centrifugal version of the Roto-Prime pump.

**Tankleenor® Pumps**

Size: 2” x 2” (50mm x 50mm)

Seal Elastomer: Viton®

Material of Construction: Gray Iron

Provides quick, efficient, economical cleaning of below-ground petroleum storage tanks. Removes contaminants like gel precipitates, microbial growth, rust and water – without disturbing the product or taking the tank out of service.

Features O Series pump with explosion proof motor, reel and hose assembly, connector hose, suction and discharge hose, guide tube and ground wire.

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*Alternative gaskets and mechanical seals are available for today’s fuel formulations.

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