

Product Catalog



Elite 3/4" Series Automatic Nozzles

Max 1 Series of High Flow Automatic Nozzles

ICVN Vapor Recovery Nozzle

Controller II Swivel Breakaway

C720 Twister Swivel



C86NT Single Use Breakaway

CTM 75-HD HD Magnetic Breakaway

Cam Twist VAC-Assist Recoverable Magnetic Breakaway

CV90 Bulk Fueler



**Breakaway Technology of
the Future is Here Today!!**

The Catlow® CAM TWIST™ Patent Pending **Magnetic Breakaway**

There is no other breakaway that allows preventative inspection while installed therefore the "Remove By" date is no longer required. Manufactured with "Rare Earth Permanent Magnets" the Cam Twist is designed to separate and easily reconnect, time after time. With a twist of two wrenches the breakaway can be taken apart, and inspected for corrosion and wear without removing the breakaway from service. After inspection, align the two halves together and let the magnets do the work while pushing the unit back together. It's that easy!



**A "Remove By" Date is No
Longer Needed!**

SAFETY

Reduces personnel time out on the Forecourt.

ENVIRONMENTALLY SMART

No need to break threaded connections and spill fuel while changing a nozzle and hose.

COST EFFECTIVE

With no "Remove By Date" and the lower half can be purchased separately.

The Cam Twist is available in all sizes for service station applications; 3/4", 1", Vac Assist. The low cost lower half of the breakaway is also available if the lower unit is lost due to a drive-off.



CATLOW

2750 US Rt. 40
Tipp City, OH 45371

Sales Desk: (800) 222-8569
Sales Fax: (937) 898-8631
Phone: (937) 898-3236





CATLOW

WHY E85?

Introducing Catlow's E85 Products

Catlow is the leading manufacturer of fuel dispensing equipment that is specifically designed for E85 fuel.



E85 fuel is a clean, environmentally friendly fuel that is a blend of 85% ethanol and 15% unleaded gas. This blend of fuel reduces harmful hydrocarbon and greenhouse gas emissions and is rapidly becoming the alternative fuel in the petroleum industry.

Catlow's E85 compatible products are manufactured using E-nickel plated parts that prevent corrosion; and the fuel is protected against contamination.

The Catlow E85 product line includes all of our standard and vac assist products.

Catlow E85 Products:

- | | |
|--------------|--------------------------------|
| ICVN-E85 | ICVN N/L Vac Assist Nozzle |
| IVC200S-E85 | Vac Assist Snap Back Breakaway |
| NENL-E85 | Elite N/L Nozzle |
| NEPNL-E85 | Elite Prepay N/L Nozzle |
| C720 3/4-E85 | Twister 3/4" M X 3/4" F Swivel |
| C860S-E85 | 3/4" Snap Back Breakaway |

*The Source for Gasoline
Dispensing Equipment Worldwide.*



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2750 US Rt 40
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CATLOW

Complete Product Line

COLD WEATHER

ENGINEERED FOR COLD WEATHER SERVICE



CATLOW has taken our proven fueling product line and incorporated special features to adapt to extreme cold operating temperatures.

As with all forecourt fueling equipment, when the temperature drops, elastomers become stiff and slow to respond. Catlow has incorporated elastomers that remain flexible at **-60F**.



ELITE



ELITE PREPAY



MAX 1



MAX 1 PREPAY



CONTROLLER MAG



C720 SERIES



CAM TWIST MAGNETIC

NOZZLES have the proven reliability of our standard product line with upgraded internal components ready for even the toughest winters.

SWIVELS incorporate dual O-ring seals 2 for fuel resistance and 2 that remain flexible in severe cold.

BREAKAWAYS have magnetic technology and unlike other mechanical "ball and spring" breakaways, pull force is similar in either cold or warm temperatures.

NOTE: As of April 2010 Nozzles without a hold-open clip or no-pressure no-flow feature may not be ULC listed in Canada
Contact your CATLOW representative for further details

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Please reference individual product sheets for ordering specifications

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STANDARD PRODUCT

CATALOG

Please accept our invitation to join our newsletter updates to stay current with new product releases and current information. This invitation can be found on the home page of our website.

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ELITE

Automatic Nozzle 3/4" NPT



ELITE Automatic Nozzle 3/4" NPT

STANDARD

This series of automatic nozzles establishes a new standard for vehicle refueling. The lightweight construction produces a smooth working, rugged nozzle designed for endurance.

The Elite Prepay is specifically designed for self-service or card-lock systems. The no-pressure/no-flow feature enables the station operator to control the dispensing of fuel while the customer has the convenience of a one hand hold-open mechanism for effortless dispensing.

FEATURES and BENEFITS:

- *UL/ULC Listed
- *Automatic shut off
- *Splash shield included with each new nozzle
- *Mates with all standard 5/8" & 3/4" hoses
- *BSPT and BSPP threads available upon request
- *Available in self serve upon request (S)
- *Available with an Attitude Device at an additional charge
- *Full cover provided for added protection
- *Spout assembly easily replaced
- *Completely rebuildable
- * Custom logo available upon request
- * 1 year warranty

MATERIALS:

- *3/4" Single body, sand cast aluminum
- *Lever & handguard is Super-Tuff Glass Filled Nylon
- *O-rings and Seals are Viton
- *Unleaded Spout Assembly 13/16" OD
- *Leaded Spout Assembly 15/16" OD
- *Weight 2.2 lbs.

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| NENL | NEW, UNLEADED |
| NEL | NEW, LEADED |
| NEPNL | NEW, PREPAY UNLEADED |
| NEPL | NEW, PREPAY LEADED |
| RENL | REBUILT, UNLEADED |
| REL | REBUILT, LEADED |
| REPNL | REBUILT, PREPAY UNLEADED |
| REPL | REBUILT, PREPAY LEADED |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------------|
| CNLS | ELITE UNLEADED SPOUT ASSEMBLY |
| CLS | ELITE LEADED SPOUT ASSEMBLY |
| CNLSP | PREPAY UNLEADED SPOUT ASSEMBLY |
| CLSP | PREPAY LEADED SPOUT ASSEMBLY |
| CFCxx | ELITE COVER xx |
| C11Bxx | ELITE PREPAY COVER xx |
| C376xx | ROUND SPLASH SHIELD xx |





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The Classic 1A nozzle is the most durable aluminum nozzle in petroleum history. The design of this nozzle was the forerunner of all standard gasoline dispensing nozzles.

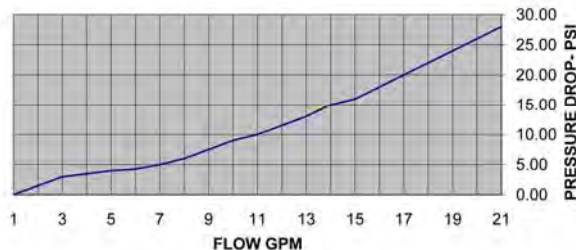
Utilizing a single poppet in this nozzle affords smooth flow from high GPM's to minimal flow rates. This true 1" NPT nozzle is completely rebuildable and can be used for unleaded fuel as well as diesel refueling.

FEATURES and BENEFITS:

- * Available as full serve or self serve
- * Unleaded or Leaded (diesel) spout assembly
- * Automatic shut-off
- * UL/ULC Listed
- * Custom logo available upon request
- * BSPP and BSPT threads available upon request
- * Attitude Device available at an additional charge
- * Spout assembly easily replaced
- * Full Cover provided for added protection
- * Unleaded spout is 13/16" OD aluminum
- * Leaded (diesel) spout is 15/16" OD aluminum
- * 1 year warranty

MATERIALS:

- * Body is Aluminum sandcast
- * Lever Plated steel
- * Handguard Nylon glass filled
- * Disc & Seals Nitrile and Viton



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CLASSIC 1A

Automatic Nozzle



CLASSIC 1A Automatic Nozzle STANDARD

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| N1AL | NEW, LEADED |
| N1ANL | NEW, UNLEADED |
| N1ALS | NEW, LEADED SELF SERVE |
| N1ANLS | NEW, UNLEADED SELF SERVE |
| R1AL | REBUILT, LEADED |
| R1ANL | REBUILT, UNLEADED |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 1ALS | 1" LEADED SPOUT ASSEMBLY |
| 1ANLS | 1" UNLEADED SPOUT ASSEMBLY |
| C071 xx | 1" COVER xx identifies color i.e. BK Black |





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CAM TWIST MAGNETIC

In-Line Breakaway



CAMI TWIST Magnetic BREAKAWAY Standard Vapor Recovery

The CAM TWIST Breakaway is the only breakaway that gives you the option to easily disconnect, inspect and reconnect while installed. With a twist the breakaway can be taken apart and inspected for damage, corrosion, and wear without removing the breakaway from service.

Designed to be installed between the dispenser and the nozzle. It is simple to inspect the unit. Our unique design seals the internal components before a separation is complete, thus reducing any exposure to product and any environmental impact. With the CAM TWIST alignment and reconnection is easy. Align the two halves together & let the magnets do the work while pushing the unit back together. It's that easy!

**CATLOW'S CAM TWIST MAGNETIC IN-LINE DESIGN IS
THE FUTURE OF BREAKAWAY TECHNOLOGY!**

As a cost saving feature, Catlow has designed a replacement lower half unit so in the event of a drive off, you only have to replace the lower half!

FEATURES and BENEFITS:

- * Inspectable, No "Remove-By" date
- * Patented Magnetic Snap-back Technology
- * Resists "Hydraulic Hammer" problems
- * UL/ULC Listed, CARB Certified, Meets NFPA 30A Codes
- * BSPP & BSPT threads available upon request
- * Separation force designed at 230 or 300 lbs.
- * Durable plastic cover prevents damage during a driveoff
- * Replacement "Lower" half of Breakaway available
- * Reduces Environmental Impact. No need to drain assemblies to change nozzle
- * One year warranty

MATERIALS:

- * Body is Aluminum
- * O-ring & Seals are Viton
- * Cover is Nylon

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| CTM75 | 3/4" NPT (230 LBS PULL FORCE) |
| CTM100 | 1" NPT (300 LBS PULL FORCE) |
| CTMVA | VAC-ASSIST M34 X 1.5 (230 LBS PULL FORCE) |
| CTM75-HD | 3/4" NPT (300 LBS PULL FORCE) |
| CTM75-L | 3/4" LOWER UNIT |
| CTM75HD-L | 3/4" LOWER UNIT, HEAVY DUTY |
| CTM100-L | 1" LOWER UNIT |
| CTMVA-L | VAC-ASSIST LOWER UNIT |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|------------------------------|
| A13-SW | 8" WHIP HOSE FOR CTM75 or HD |
| B9-SW | 12" WHIP HOSE FOR CTM100 |
| V1012-1-SW | 12" WHIP HOSE FOR CTMVA |
| 2976 | O'RING KIT CTM75 |
| 2978 | O'RING KIT CTM75-HD/CTM100 |
| 2977 | O'RING KIT CTMVA |





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The C860S 3/4" IN-Line Breakaway with the snap-back technology makes this product extremely user friendly. Experience high flow rates, easy maintenance and protection against costly repairs and down time.

Avoid potentially costly gas spills and dispenser damage while allowing you to be up and running within minutes. If a drive off occurs, the dual poppets close trapping the fuel inside of the hoses at both ends.

C860S

In-Line Snap-Back Breakaway



C860S SNAP-BACK BREAKAWAY STANDARD DIESEL

FEATURES and BENEFITS:

- *Mates with all 3/4" & 5/8" hoses
- * UL/ULC Listed
- *Meets NFPA 30A Codes
- *BSPP and BSPT Threads available upon request
- *Designed to pull apart maximum 300 lbs. pull force
- *Durable Hytrel cover prevents damage to your customers vehicle and to the breakaway during a drive off
- *Seals both ends of the breakaway
- *Spring technology snap-back system
- *Minimal flow restriction
- *No repair kit necessary
- *Reconnects on site in minutes
- * 1 year warranty

MATERIALS:

- *Body is Aluminum
- *Seals are Viton
- *Protective cover is Hytrel

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| C860S | 3/4" SNAP BACK BREAKAWAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| A13 | 8" WHIP HOSE |
| | REPLACEMENT HYTREL COVER |

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The CATLOW C86NT 3/4" In-Line Breakaway is the industry leader. Small & lightweight with minimal flow restriction makes the breakaway a winner.

The C86NT breakaway is designed to be installed between the fuel dispenser and the nozzle. When a drive off occurs the breakaway allows the nozzle end of the hose to separate from the hose to the dispenser. The C86NT dual poppets close when a drive off occurs trapping the fuel inside of the hoses at both ends preventing costly fuel spills and possible damage to the environment.

FEATURES and BENEFITS:

- *Mates with all 3/4" & 5/8" hoses
- * UL/ULC Listed
- *Meets NFPA 30A Codes
- *BSPP and BSPT Threads available upon request
- *Designed to pull apart maximum 300 lbs. pull force
- *Durable Hytrel cover prevents damage to your customers vehicle and to the breakaway during a drive off
- *Seals both ends of the breakaway
- *Minimal flow restriction
- * 1 year warranty

MATERIALS:

- *Body is Aluminum
- *Seals are Nitrile
- *Protective cover is Hytrel

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C86NT

In-Line Shear Pin Breakaway



C86NT SHEAR PIN BREAKAWAY

STANDARD

DIESEL

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| C86NT | 3/4" SHEAR PIN BREAKAWAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| A13 | 8" WHIP HOSE |
| C86BN-1 | REPLACEMENT HYTREL COVER |





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C1000S

In-Line Snap-Back Breakaway



C1000S SNAP BACK BREAKAWAY

DIESEL

The C1000S 1" In-Line/Snap back Breakaway is designed specifically for rugged, heavy duty truckstop use and high capacity fueling with little pressure drop.

Using snap-back technology and ease of maintenance in the field, no repair kit is required. Designed to be installed between the fuel dispenser and the nozzle. When a drive off occurs, the dual poppets close trapping the fuel inside the hoses at both ends eliminating spills and possible damage to the environment and to your equipment.

FEATURES and BENEFITS:

- *Mates with all 1" hoses
- * UL/ULC Listed
- *Meets NFPA 30A Codes
- *BSPP and BSPT Threads available upon request
- *Designed to pull apart maximum 300 lbs. pull force
- *Durable Hytrel cover prevents damage to your customers vehicle and to the breakaway during a drive off
- *Spring technology snap-back system
- *Minimal flow restriction
- *No repair kit necessary
- *Reconnects on site in minutes
- * 1 year warranty

MATERIALS:

- *Body is Aluminum
- *Seals are Viton
- *Protective cover is Hytrel
- *Weight 1.05 lbs.

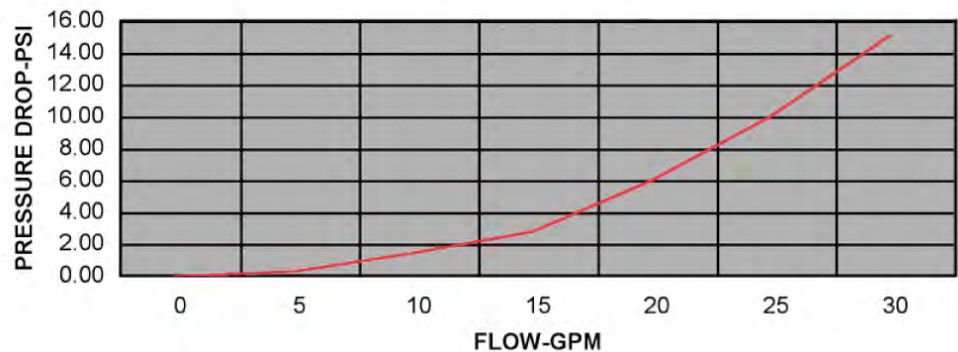
ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------|
| C1000S | 1" SNAP-BACK BREAKAWAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|---------------|
| B9 | 12" WHIP HOSE |

C1000S BREAKAWAY



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C100N

In-Line Shear Pin Breakaway



C100N SHEAR PIN BREAKAWAY

DIESEL

The C100N is a true 1" breakaway designed for truckstops and high volume stations that allows for high capacity fueling with little pressure drop. When a drive off occurs, the dual poppets close in the breakaway trapping the fuel inside of the hoses at both ends. This eliminates spills and possible damage to the environment and your equipment.

The CATLOW C100N is a rugged heavy duty in-line breakaway designed to be installed between the fuel dispenser and the nozzle.

FEATURES and BENEFITS:

- *Mates with all 1" hoses
- * UL/ULC Listed
- *Meets NFPA 30A Codes
- *BSPP and BSPT Threads available upon request
- *Designed to pull apart maximum 300 lbs. pull force
- *Durable Hytrel cover prevents damage to your customers vehicle and to the breakaway during a drive off
- *Seals both ends of the breakaway
- *Minimal flow restriction
- * 1 year warranty

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------|
| C100N | 1" SHEAR PIN BREAKAWAY |

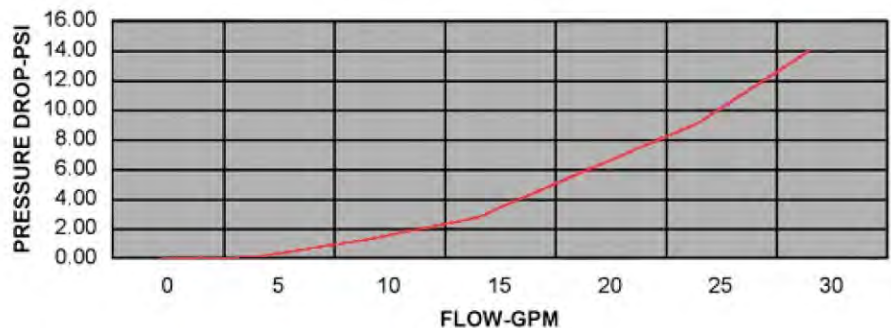
Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| B9 | 12" WHIP HOSE |
| 2348 | REPLACEMENT HYTREL COVER |

MATERIALS:

- *Body is Aluminum
- *Seals are Nitrile
- *Protective cover is Hytrel

C100N BREAKAWAY



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THE CONTROLLER II

SBS-MAG Swivel with MAGNETIC Breakaway



THE CONTROLLER II Swivel BREAKAWAY

Standard

Diesel

Designed with the same features as CATLOW'S "Controller" Swivel Breakaway combination is now updated with our proven Magnetic Technology. The SBS-MAG unit connects directly to the fuel nozzle eliminating the need for a whip hose assembly.

Reconnection is easy as a snap as internal magnets pull the unit back together.

FEATURES and BENEFITS:

- * 2-360 degree swivels give flexibility and ease in awkward fueling positions
- * UL/ULC Listed
- * Does not effect existing hose length
- * Fluorosilicone seals perform to - 40 degrees
- * Meets NFPA 30A Codes
- * Installs directly to the nozzle
- * No need for whip hose
- * Easy to reconnect
- * Eliminates leak points
- * Durable plastic cover prevents damage during a drive-off
- * One year warranty

MATERIALS:

- * Body is Aluminum & zinc die cast
- * Seals are Viton, Fluorosilicone & Nitrile
- * Breakaway Cover is glass filled Nylon

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| MCSB75 | 3/4" Magnetically coupled swivel Breakaway (190 lbs pull force) |
| MCSB100 | 1" Magnetically coupled swivel Breakaway (210 lbs pull force) |

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The Twister Swivel from Catlow raises the level of swivel flexibility with two (2) high flow 360 degree rotating swivel ends. Special seals protect this heavy duty swivel from extreme cold weather conditions and is designed for blended fuels.

Its high tech engineering, durable construction and economical price will not only "Twist & Turn" your hoses, but your profits as well.

C720

Twister Swivels



C720 TWISTER SWIVELS

Standard

Diesel

FEATURES and BENEFITS:

- *Lightweight and maintenance free
- *UL/ULC listed
- *360 degree swivel rotation in middle joint & male end
- *Mates with all standard and diesel hoses
- *Fluorosilicone seals perform to -40 degree F
- *Does not affect existing hose length
- *BSPP & BSPT threads available upon request
- *Minimal flow restriction
- *Both swivel joints have double o-rings
- * 1 year warranty

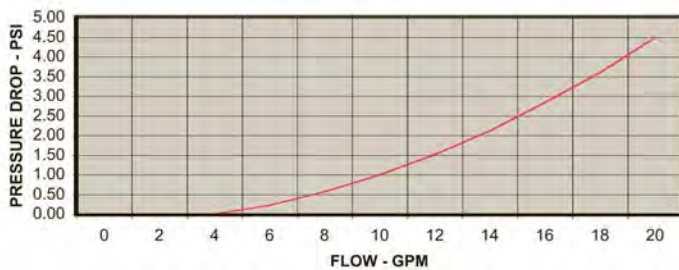
MATERIALS:

- *Swivel elbow Cast Aluminum
- *Swivel body Cast ZA-12 Zamak
- *Bearing is Acetal
- *Seals are Viton and Fluorosilicone

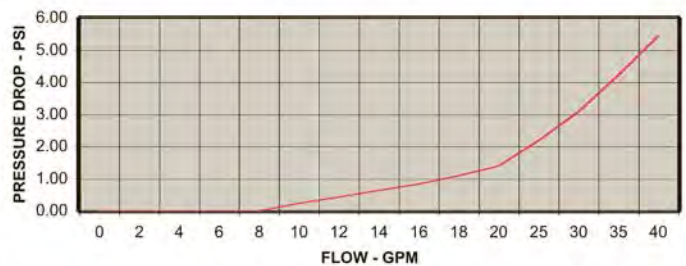
ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|--------------|----------------------------------|
| C720 3/4 | 3/4" M x 3/4" F |
| C720 1x3/4 | 1" M x 3/4" F |
| C720 1x1 | 1" M x 1" F |
| C720 1X1B100 | 1" M X 1" F 100% BIO DIESEL FUEL |
| C720 1X1BP | 1" M X 1" F BRITISH THREAD |
| C720 3/4BP | 3/4" M X 3/4" F BRITISH THREAD |
| C720 3/4E85 | 3/4" M X 3/4" F E85 FUEL |
| C720 1X1E85 | 1" M X 1" F E85 FUEL |

C720-3/4 SWIVEL



C720-1 SWIVEL



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STRAIGHT SWIVEL

Standard ~ Diesel ~ Commercial



STRAIGHT SWIVEL

STANDARD

DIESEL

COMMERCIAL

Catlow's straight swivel eliminates kinking and twisting of the hose making it easier to manipulate the nozzle while dispensing fuel. This straight swivel offers ease of operation for the customer and will extend the life of your hoses.

Recommended installation at the back of the nozzle

FEATURES and BENEFITS:

- *Increases hose life
- *Install either at the nozzle or the dispenser
- *360 degree swivel on the bushing end
- *Minimal flow restriction
- *Mates with all standard, diesel and high-flow bulk fueling hoses with NPT threads
- *Does not affect existing hose length
- *One year warranty

MATERIALS:

- *O-rings Viton and Fluorosilicone
- *Spring Stainless Steel
- *Body is Aluminum
- *Body is Aluminum & Brass on 1-1/2"

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---------------------|
| 3/4-SS | 3/4" M X 3/4" F |
| 1-SS | 1" M X 1" F |
| CV90SW | 1-1/2" M X 1-1/2" F |

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THE GOVERNOR ADAPTER

Model 10G-1 Flow Limiter (Male to Female)

INSTALL
DIRECTLY IN THE
DISPENSER
OUTLET



THE GOVERNOR ADAPTER

Standard

The Governor is specifically designed to meet the 1996 Federal EPA 10 GPM requirement. Both adapters fit manufacturers' standard automatic nozzles by restricting the flow to meet requirements.

MATERIALS 10G-1:

- * Body is zinc-plated steel
- * Spring is stainless steel
- * Install in dispenser outlet

FEATURES and BENEFITS:

- * Controls the flow of gasoline at 9.5 GPM—10 GPM
- * Light weight and maintenance free
- * Spring loaded piston design
- * One year warranty

MATERIALS 10G:

- * Body is zinc-plated aluminum
- * Spring is stainless steel
- * Install at the nozzle inlet

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---------------------|
| 10G-1 | 3/4" MALE TO FEMALE |
| 10G | 3/4" FEMALE TO MALE |

Model 10G Flow Limiter (Female to Male)

INSTALL AT THE
NOZZLE INLET



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HI FLOW DIESEL PRODUCT

CATALOG

Please accept our invitation to join our newsletter updates to stay current with new product releases and current information. This invitation can be found on the home page of our website.

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The MAX 1 Hi-flow diesel nozzle is designed for durability. This heavy-duty nozzle can be used in high volume truckstop applications as well as high volume service stations.

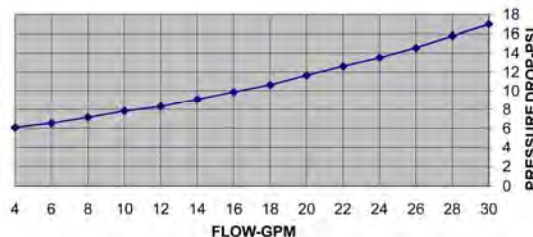
Available as a standard or prepay (no pressure/no flow) nozzle. The prepay nozzle is specifically designed for unattended self service and cardlock refueling locations. The prepay feature enables the station operator to control the dispensing of fuel.

FEATURES and BENEFITS:

- * Available as full serve or self serve
- * Rugged heavy duty design
- * Automatic shut-off
- * UL/ULC Listed
- * Custom logo available upon request
- * BSPP and BSPT threads available upon request
- * Attitude Device available upon request (AD)
- * Spout assembly easily replaced
- * Full Cover provided for added protection
- * Longer spout with Anchor Bushing available upon request (AR)
- * One-hand, hold open mechanism for effortless operation
- * Mates with all standard hardwall or softwall 1" hoses
- * Completely rebuildable
- * One year warranty

MATERIALS:

- * Body is Sand cast Aluminum
- * Lever/Handguard Super-Tuff glass filled Nylon
- * Seals are Viton
- * Spout is 1-3/16" OD Aluminum Spout
- * Weight 4 lbs.



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MAX1

Automatic DIESEL Nozzle



MAX1 Automatic Nozzle

Diesel

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------------|
| NM1 | NEW, DIESEL |
| NM1P | NEW, DIESEL PREPAY |
| NM1S | NEW, DIESEL SELF SERVE |
| NM1PS | NEW, DIESEL SELF SERVE, PREPAY |
| RM1 | REBUILT, DIESEL |
| RM1P | REBUILT, DIESEL PREPAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|---|
| BS | DIESEL SPOUT ASSEMBLY |
| BS-P | DIESEL SPOUT ASSEMBLY PREPAY |
| C180 xx | COVER xx identifies color i.e. BK Black |
| C076 xx | SPLASH SHIELD xx identifies color i.e. BK |





CATLOW

www.catlow.com

The MIGHTY MAC diesel nozzle with a 1" Inlet is designed to provide efficient service for diesel island car and truck fueling and bus and fleet fueling. This single poppet nozzle delivers consistent flow rates up to 25+ GPM.

Durable and tough the MIGHTY MAC is the most economical answer for your diesel needs.

FEATURES and BENEFITS:

- *Available as full serve or self serve
- *Automatic shut-off
- *Custom logo available upon request
- *BSPP and BSPT threads available upon request
- *Spout assembly easily replaced
- *Full Cover provided for added protection
- *Leaded (diesel) spout is 1-1/8" OD aluminum
- * 1 year warranty

MATERIALS:

- *Body is Aluminum sandcast
- *Lever Plated steel
- *Handguard Glass Filled Nylon
- *Disc & Seals Nitrile and Viton

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MIGHTY MAC

Automatic Diesel Nozzle



MIGHTY MAC Automatic Nozzle

DIESEL

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------|
| N1AH | NEW, MIGHTY MAC DIESEL |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 1AHS | MIGHTY MAC SPOUT ASSEMBLY |
| C071 xx | 1" COVER xx identifies color i.e. BK Black |
| C076 xx | 1" SPLASH SHIELD xx identifies color |



CATLOW

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CAM TWIST MAGNETIC

In-Line Breakaway



CAMI TWIST Magnetic BREAKAWAY Standard Vapor Recovery

The CAM TWIST Breakaway is the only breakaway that gives you the option to easily disconnect, inspect and reconnect while installed. With a twist the breakaway can be taken apart and inspected for damage, corrosion, and wear without removing the breakaway from service.

Designed to be installed between the dispenser and the nozzle. It is simple to inspect the unit. Our unique design seals the internal components before a separation is complete, thus reducing any exposure to product and any environmental impact. With the CAM TWIST alignment and reconnection is easy. Align the two halves together & let the magnets do the work while pushing the unit back together. It's that easy!

**CATLOW'S CAM TWIST MAGNETIC IN-LINE DESIGN IS
THE FUTURE OF BREAKAWAY TECHNOLOGY!**

As a cost saving feature, Catlow has designed a replacement lower half unit so in the event of a drive off, you only have to replace the lower half!

FEATURES and BENEFITS:

- * Inspectable, No "Remove-By" date
- * Patented Magnetic Snap-back Technology
- * Resists "Hydraulic Hammer" problems
- * UL/ULC Listed, CARB Certified, Meets NFPA 30A Codes
- * BSPP & BSPT threads available upon request
- * Separation force designed at 230 or 300 lbs.
- * Durable plastic cover prevents damage during a driveoff
- * Replacement "Lower" half of Breakaway available
- * Reduces Environmental Impact. No need to drain assemblies to change nozzle
- * One year warranty

MATERIALS:

- * Body is Aluminum
- * O-ring & Seals are Viton
- * Cover is Nylon

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| CTM75 | 3/4" NPT (230 LBS PULL FORCE) |
| CTM100 | 1" NPT (300 LBS PULL FORCE) |
| CTMVA | VAC-ASSIST M34 X 1.5 (230 LBS PULL FORCE) |
| CTM75-HD | 3/4" NPT (300 LBS PULL FORCE) |
| CTM75-L | 3/4" LOWER UNIT |
| CTM75HD-L | 3/4" LOWER UNIT, HEAVY DUTY |
| CTM100-L | 1" LOWER UNIT |
| CTMVA-L | VAC-ASSIST LOWER UNIT |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|------------------------------|
| A13-SW | 8" WHIP HOSE FOR CTM75 or HD |
| B9-SW | 12" WHIP HOSE FOR CTM100 |
| V1012-1-SW | 12" WHIP HOSE FOR CTMVA |
| 2976 | O'RING KIT CTM75 |
| 2978 | O'RING KIT CTM75-HD/CTM100 |
| 2977 | O'RING KIT CTMVA |





CATLOW

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C1000S

In-Line Snap-Back Breakaway



C1000S SNAP BACK BREAKAWAY

DIESEL

The C1000S 1" In-Line/Snap back Breakaway is designed specifically for rugged, heavy duty truckstop use and high capacity fueling with little pressure drop.

Using snap-back technology and ease of maintenance in the field, no repair kit is required. Designed to be installed between the fuel dispenser and the nozzle. When a drive off occurs, the dual poppets close trapping the fuel inside the hoses at both ends eliminating spills and possible damage to the environment and to your equipment.

FEATURES and BENEFITS:

- *Mates with all 1" hoses
- * UL/ULC Listed
- *Meets NFPA 30A Codes
- *BSPP and BSPT Threads available upon request
- *Designed to pull apart maximum 300 lbs. pull force
- *Durable Hytrel cover prevents damage to your customers vehicle and to the breakaway during a drive off
- *Spring technology snap-back system
- *Minimal flow restriction
- *No repair kit necessary
- *Reconnects on site in minutes
- * 1 year warranty

MATERIALS:

- *Body is Aluminum
- *Seals are Viton
- *Protective cover is Hytrel
- *Weight 1.05 lbs.

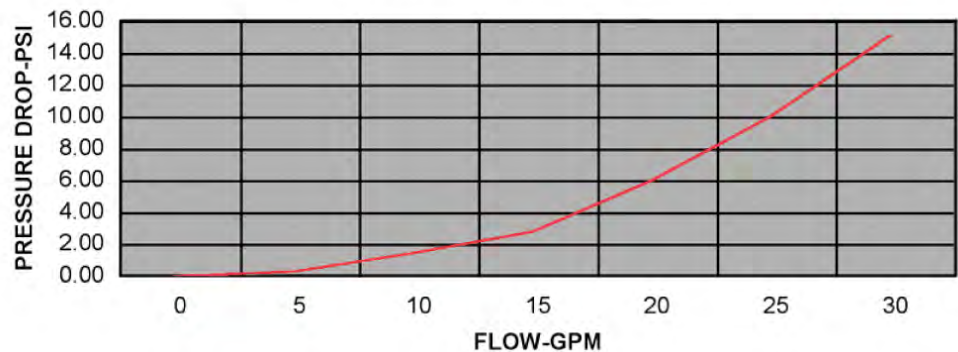
ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------|
| C1000S | 1" SNAP-BACK BREAKAWAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|---------------|
| B9 | 12" WHIP HOSE |

C1000S BREAKAWAY



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C100N

In-Line Shear Pin Breakaway



C100N SHEAR PIN BREAKAWAY

DIESEL

The C100N is a true 1" breakaway designed for truckstops and high volume stations that allows for high capacity fueling with little pressure drop. When a drive off occurs, the dual poppets close in the breakaway trapping the fuel inside of the hoses at both ends. This eliminates spills and possible damage to the environment and your equipment.

The CATLOW C100N is a rugged heavy duty in-line breakaway designed to be installed between the fuel dispenser and the nozzle.

FEATURES and BENEFITS:

- *Mates with all 1" hoses
- * UL/ULC Listed
- *Meets NFPA 30A Codes
- *BSPP and BSPT Threads available upon request
- *Designed to pull apart maximum 300 lbs. pull force
- *Durable Hytrel cover prevents damage to your customers vehicle and to the breakaway during a drive off
- *Seals both ends of the breakaway
- *Minimal flow restriction
- * 1 year warranty

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------|
| C100N | 1" SHEAR PIN BREAKAWAY |

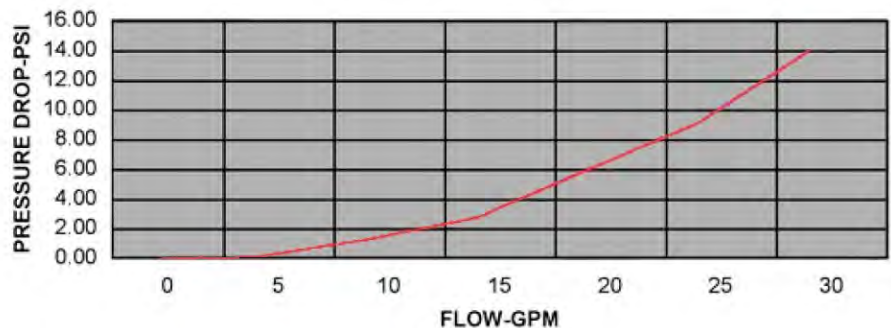
Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------|
| B9 | 12" WHIP HOSE |
| 2348 | REPLACEMENT HYTREL COVER |

MATERIALS:

- *Body is Aluminum
- *Seals are Nitrile
- *Protective cover is Hytrel

C100N BREAKAWAY



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THE CONTROLLER II

SBS-MAG Swivel with MAGNETIC Breakaway



THE CONTROLLER II Swivel BREAKAWAY

Standard

Diesel

Designed with the same features as CATLOW'S "Controller" Swivel Breakaway combination is now updated with our proven Magnetic Technology. The SBS-MAG unit connects directly to the fuel nozzle eliminating the need for a whip hose assembly.

Reconnection is easy as a snap as internal magnets pull the unit back together.

FEATURES and BENEFITS:

- * 2-360 degree swivels give flexibility and ease in awkward fueling positions
- * UL/ULC Listed
- * Does not effect existing hose length
- * Fluorosilicone seals perform to - 40 degrees
- * Meets NFPA 30A Codes
- * Installs directly to the nozzle
- * No need for whip hose
- * Easy to reconnect
- * Eliminates leak points
- * Durable plastic cover prevents damage during a drive-off
- * One year warranty

MATERIALS:

- * Body is Aluminum & zinc die cast
- * Seals are Viton, Fluorosilicone & Nitrile
- * Breakaway Cover is glass filled Nylon

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| MCSB75 | 3/4" Magnetically coupled swivel Breakaway (190 lbs pull force) |
| MCSB100 | 1" Magnetically coupled swivel Breakaway (210 lbs pull force) |

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The Twister Swivel from Catlow raises the level of swivel flexibility with two (2) high flow 360 degree rotating swivel ends. Special seals protect this heavy duty swivel from extreme cold weather conditions and is designed for blended fuels.

Its high tech engineering, durable construction and economical price will not only "Twist & Turn" your hoses, but your profits as well.

C720

Twister Swivels



C720 TWISTER SWIVELS

Standard

Diesel

FEATURES and BENEFITS:

- *Lightweight and maintenance free
- *UL/ULC listed
- *360 degree swivel rotation in middle joint & male end
- *Mates with all standard and diesel hoses
- *Fluorosilicone seals perform to -40 degree F
- *Does not affect existing hose length
- *BSPP & BSPT threads available upon request
- *Minimal flow restriction
- *Both swivel joints have double o-rings
- * 1 year warranty

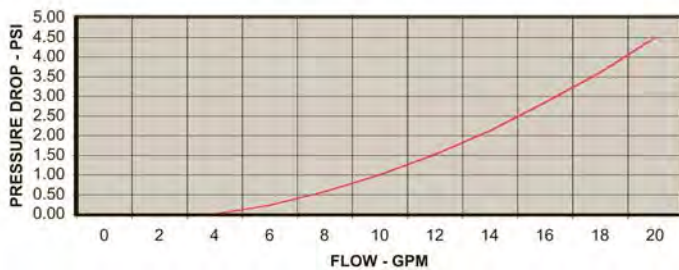
MATERIALS:

- *Swivel elbow Cast Aluminum
- *Swivel body Cast ZA-12 Zamak
- *Bearing is Acetal
- *Seals are Viton and Fluorosilicone

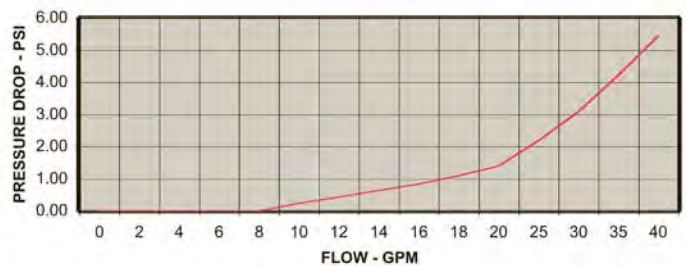
ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|--------------|----------------------------------|
| C720 3/4 | 3/4" M x 3/4" F |
| C720 1x3/4 | 1" M x 3/4" F |
| C720 1x1 | 1" M x 1" F |
| C720 1X1B100 | 1" M X 1" F 100% BIO DIESEL FUEL |
| C720 1X1BP | 1" M X 1" F BRITISH THREAD |
| C720 3/4BP | 3/4" M X 3/4" F BRITISH THREAD |
| C720 3/4E85 | 3/4" M X 3/4" F E85 FUEL |
| C720 1X1E85 | 1" M X 1" F E85 FUEL |

C720-3/4 SWIVEL



C720-1 SWIVEL



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STRAIGHT SWIVEL

Standard ~ Diesel ~ Commercial



STRAIGHT SWIVEL

STANDARD

DIESEL

COMMERCIAL

Catlow's straight swivel eliminates kinking and twisting of the hose making it easier to manipulate the nozzle while dispensing fuel. This straight swivel offers ease of operation for the customer and will extend the life of your hoses.

Recommended installation at the back of the nozzle

FEATURES and BENEFITS:

- *Increases hose life
- *Install either at the nozzle or the dispenser
- *360 degree swivel on the bushing end
- *Minimal flow restriction
- *Mates with all standard, diesel and high-flow bulk fueling hoses with NPT threads
- *Does not affect existing hose length
- *One year warranty

MATERIALS:

- *O-rings Viton and Fluorosilicone
- *Spring Stainless Steel
- *Body is Aluminum
- *Body is Aluminum & Brass on 1-1/2"

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---------------------|
| 3/4-SS | 3/4" M X 3/4" F |
| 1-SS | 1" M X 1" F |
| CV90SW | 1-1/2" M X 1-1/2" F |

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FARM & COMMERCIAL PRODUCT

CATALOG

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The SECUR-FLO automatic nozzle is designed for Transfer pumps for refueling *OFF-ROAD* equipment and farm implements. Available in both 1" NPT & 3/4" NPT. Manufactured for durability and reliability, this product will provide many hours of safe efficient service.

***This nozzle CANNOT be used for gravity feed tanks or retail dispensing**

FEATURES and BENEFITS:

- *Automatic shut off
- *Special check valve reduces pressure drop improving life expectancy
- *Including but not limited too: 12V, 110V, 115V, 230V AC pumps
- *Standard-curved spout
- *Straight spouts available upon request
- *Spout hooks available upon request
- *Full cover provided for added protection
- *Spout assembly easily replaced
- *3/4" NPT size is lightweight, easier to use
- * 1" NPT size is designed for heavy duty usage and higher flow rates
- * 1 year warranty

MATERIALS:

- *Body is Aluminum sandcast
- *Disc & Seals Viton and Nitrile
- *Unleaded Spout Assembly 13/16" OD
- *Leaded Spout Assembly 15/16" OD
- *Weight 2 lbs 14 oz

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SECUR-FLO

Automatic Transfer Pump Nozzle



SECUR-FLO Automatic Nozzle

FARM

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|----------------------------|
| N1ALF | NEW, 1" LEADED , TP |
| N1ANLF | NEW, 1" UNLEADED, TP |
| NELF | NEW, 3/4" LEADED, TP |
| NENLF | NEW, 3/4" UNLEADED TP |
| R1ALF | REBUILT, 1" LEADED TP |
| R1ANLF | REBUILT, 1" UNLEADED, TP |
| RELf | REBUILT, 3/4" LEADED, TP |
| RENLF | REBUILT, 3/4" UNLEADED, TP |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 1ALSF | 1" LEADED SPOUT ASSEMBLY |
| 1ANLSF | 1" UNLEADED SPOUT ASSEMBLY |
| CLSF | 3/4" LEADED SPOUT ASSEMBLY |
| CNLSF | 3/4" UNLEADED SPOUT ASSEMBLY |
| C071 xx | 1" COVER xx identifies color i.e. BK Black |
| CFC xx | 3/4" COVER xx identifies color i.e. Bk Black |



CATLOW

www.catlow.com

The SECUR– HIGH FLO automatic nozzle is designed for Transfer pumps for refueling *OFF-ROAD* equipment and farm implements. Manufactured for durability and reliability, this product will provide many hours of safe efficient service.

***This nozzle CANNOT be used for gravity feed tanks or retail dispensing**

FEATURES and BENEFITS:

- *Automatic shut off
- *Including but not limited too: 24V DC, 12V, 110V, 115V, 230V AC pumps
- *Modified check valve reduces pressure drop improving life of pumping units
- *Standard-curved spout with spout hook and spring
- *Dual stage poppets for easy opening under high pressure
- *Attitude device built into the spout prevents accidental spills when the nozzle is held in an upward position
- *Full cover provided for added protection
- *Spout assembly easily replaced
- * 1-3/16" OD Aluminum spout
- * 1" NPT size is designed for heavy duty usage and higher flow rates
- * 1 year warranty

MATERIALS:

- * Body Aluminum sandcast
- * 1-3/16" OD Aluminum

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SECUR-HIGH FLO

Automatic Transfer Pump Nozzle



SECUR-HIGH FLO Automatic Nozzle

FARM

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|-----------------------------|
| NM1TPAD | NEW, HIGH FLO TRANSFER PUMP |



CATLOW

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MANUAL FARM NOZZLE

MANUAL FARM NOZZLE

FARM

The CATLOW CF2000 Series of Manual Farm Nozzles are a tried and true product designed for non-retail applications.

The CF2000 & CF2001 are constructed with sand cast high strength aluminum alloy and also features a zinc plated steel lever with built on hook.

Designed for transfer pumps or gravity flow applications



FEATURES and BENEFITS:

- *Including but not limited too:
24V DC, 12V, 110V, 115V, 230V AC pumps
- * Both 1" NPT and 3/4" NPT sizes available
- * 1 year warranty

MATERIALS:

- * Body Aluminum sandcast
- * Spout Aluminum
- * Seals Nitrile or Buna

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--------------------------------|
| CF2000L | 3/4" Manual Farm Leaded 15/16" |
| CF2000N/L | 3/4" Manual Farm Leaded 13/16" |
| CF2001L | 1" Manual Farm Leaded 15/16" |
| CF2001 N/L | 1" Manual Farm Leaded 13/16" |

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CATLOW

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The Catlow CM21 nozzle is lightweight and designed for right angle fuel delivery, for ease of handling. This manual nozzle is an extra heavy duty nozzle for fueling large capacity tanks that requires attendance during the fueling operation.

FEATURES and BENEFITS:

- * Curved lever design for easier gripping and comfort
- * Dash pot helps to reduce line shock and allows for "easy open" at high static pressures
- * Dual poppet assembly allows for easy low flow metering
- * Design allows easy access to awkward fueling positions
- * Cast in Lugs help resist body damage due to dragging across rough surfaces
- * Lightweight and easy to maneuver
- * One year warranty

MATERIALS:

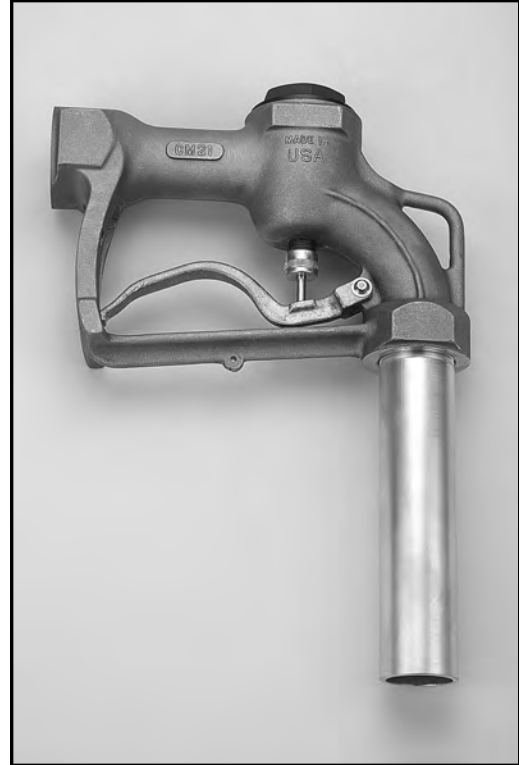
- * Body is Cast Aluminum
- * Weight 4.7 lbs.
- * Inlet 1-1/2" NPT
- * Spout Aluminum 1-7/8" OD
- * Seals are Viton and Buna

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CM21 1-1/2"

Manual Bulk Fueling Nozzle



CM21 MANUAL BULK FUELING

COMMERCIAL

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--|
| CM21 | NEW 1-1/2" MANUAL BULK FUELING |
| CM21-002 | NEW 1-1/2" MANUAL BULK FUELING WITH HOLD OPEN RACK |
| CM21-MIL | AVAILABLE PER MILITARY SPEC'S PLEASE REFERENCE CM21-MIL SPEC SHEET |



CATLOW

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Catlow's Value 90 Nozzle is an extra heavy duty, high flow, bulk fueling nozzle for marine, truck and bus or home fuel oil delivery

Designed for durability and yet economically priced. This REBUILDABLE nozzle comes complete with an automatic venturi shut-off and a dual position, hold-open mechanism

VALUE 90 1-1/2" Automatic Bulk Fueling Nozzle



VALUE 90 Automatic BULK FUELING

COMMERCIAL

FEATURES and BENEFITS:

- *Dual Poppet Assembly makes nozzle easier to open against high inlet pressure
- *Dual position hold-open mechanism for user friendly operation
- *Venturi type automatic shut-off prevents accidental spillage
- *Spout assembly easily replaced
- *Nozzle design allows easy access to awkward fueling positions
- *Cast-in Lugs
- *Lighter in weight
- *1 year warranty

MATERIALS:

- *Body is Aluminum
- *Weight 5.3 lbs.
- *Inlet 1-1/2" NPT
- *Spout is Aluminum 1-3/8" OD
- *Seals are Viton and Buna

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------------------|
| CV90-001 | NEW 1-1/2" BULK FUELING NOZZLE |
| CV90-002 | NEW 1-1/2" BULK FUELING NOZZLE ULC |
| RV90 | REBUILT 1-1/2" BULK FUELING NOZZLE |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|----------------|
| V90S | SPOUT ASSEMBLY |

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STRAIGHT SWIVEL

Standard ~ Diesel ~ Commercial



STRAIGHT SWIVEL

STANDARD

DIESEL

COMMERCIAL

Catlow's straight swivel eliminates kinking and twisting of the hose making it easier to manipulate the nozzle while dispensing fuel. This straight swivel offers ease of operation for the customer and will extend the life of your hoses.

Recommended installation at the back of the nozzle

FEATURES and BENEFITS:

- *Increases hose life
- *Install either at the nozzle or the dispenser
- *360 degree swivel on the bushing end
- *Minimal flow restriction
- *Mates with all standard, diesel and high-flow bulk fueling hoses with NPT threads
- *Does not affect existing hose length
- *One year warranty

MATERIALS:

- *O-rings Viton and Fluorosilicone
- *Spring Stainless Steel
- *Body is Aluminum
- *Body is Aluminum & Brass on 1-1/2"

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---------------------|
| 3/4-SS | 3/4" M X 3/4" F |
| 1-SS | 1" M X 1" F |
| CV90SW | 1-1/2" M X 1-1/2" F |

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The Twister Swivel from Catlow raises the level of swivel flexibility with two (2) high flow 360 degree rotating swivel ends. Special seals protect this heavy duty swivel from extreme cold weather conditions and is designed for blended fuels.

Its high tech engineering, durable construction and economical price will not only "Twist & Turn" your hoses, but your profits as well.

C720

Twister Swivels



C720 TWISTER SWIVELS

Standard

Diesel

FEATURES and BENEFITS:

- *Lightweight and maintenance free
- *UL/ULC listed
- *360 degree swivel rotation in middle joint & male end
- *Mates with all standard and diesel hoses
- *Fluorosilicone seals perform to -40 degree F
- *Does not affect existing hose length
- *BSPP & BSPT threads available upon request
- *Minimal flow restriction
- *Both swivel joints have double o-rings
- * 1 year warranty

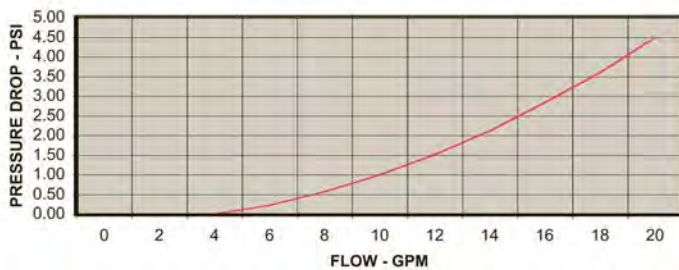
MATERIALS:

- *Swivel elbow Cast Aluminum
- *Swivel body Cast ZA-12 Zamak
- *Bearing is Acetal
- *Seals are Viton and Fluorosilicone

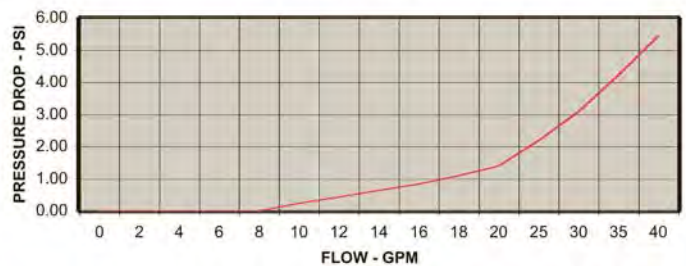
ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|--------------|----------------------------------|
| C720 3/4 | 3/4" M x 3/4" F |
| C720 1x3/4 | 1" M x 3/4" F |
| C720 1x1 | 1" M x 1" F |
| C720 1X1B100 | 1" M X 1" F 100% BIO DIESEL FUEL |
| C720 1X1BP | 1" M X 1" F BRITISH THREAD |
| C720 3/4BP | 3/4" M X 3/4" F BRITISH THREAD |
| C720 3/4E85 | 3/4" M X 3/4" F E85 FUEL |
| C720 1X1E85 | 1" M X 1" F E85 FUEL |

C720-3/4 SWIVEL



C720-1 SWIVEL



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CATLOW

VAPOR RECOVERY PRODUCT

CATALOG

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CATLOW

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ICVN

Vac-Assist Automatic Nozzle



ICVN Vac-Assist Automatic Nozzle

Vapor Recovery

Our goal in designing the ICVN nozzle is to raise the level of performance for vapor recovery equipment. We carefully engineered a balanced center of gravity with the ICVN that makes this nozzle the easiest to handle in the petroleum industry.

Simply stating the ICVN outperforms all other Vac-Assist nozzles.

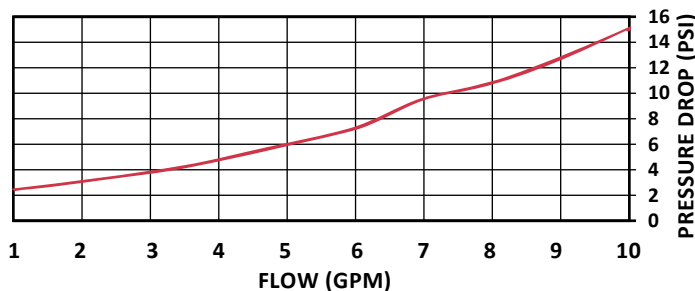
FEATURES and BENEFITS:

- *UL Listed
- *C.A.R.B. Certified
- *One-hand, hold-open mechanism for effortless operation
- *Mates with all vac assist hoses with M34 metric thread
- *Available in self serve upon request (S)
- *Full cover provided for added protection
- *Spout assembly easily replaced
- *Completely rebuildable
- *Custom logo available upon request
- * 1 year warranty

MATERIALS:

- *Single body, sand cast aluminum
- *Lever & handguard is Super-Tuff Glass Filled Nylon
- *O-rings and Seals are Viton
- *Weight 3.2 lbs.

ICVN NOZZLE



ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|------------------------------|
| ICVN | NEW, UNLEADED |
| ICVNS | NEW, UNLEADED, SELF-SERVE |
| ICVN-E85 | NEW, UNLEADED E85 |
| ICVN-3 | NEW, UNLEADED W/ 3 STEP RACK |
| RICVN | NEW, UNLEADED |
| RICVNS | NEW, UNLEADED, SELF-SERVE |

ACCESSORIES

| PART NUMBER | DESCRIPTION |
|-------------|-------------------------|
| ICVN-NLS | UNLEADED SPOUT ASSEMBLY |

CARB CERTIFICATIONS

- | | | |
|--------------|---------------|-------------------|
| *G70-153-AD | Dresser Wayne | Vac-Assist System |
| *670-209 | Dresser Wayne | ORVR System |
| *G70-150-AE | Gilbarco | Vac-Assist System |
| *G-70-204-A | Gilbarco | ORVR System |
| *G-70-154-AA | Tokheim | Vac-Assist System |

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CAM TWIST MAGNETIC

In-Line Breakaway



CAMI TWIST Magnetic BREAKAWAY Standard Vapor Recovery

The CAM TWIST Breakaway is the only breakaway that gives you the option to easily disconnect, inspect and reconnect while installed. With a twist the breakaway can be taken apart and inspected for damage, corrosion, and wear without removing the breakaway from service.

Designed to be installed between the dispenser and the nozzle. It is simple to inspect the unit. Our unique design seals the internal components before a separation is complete, thus reducing any exposure to product and any environmental impact. With the CAM TWIST alignment and reconnection is easy. Align the two halves together & let the magnets do the work while pushing the unit back together. It's that easy!

**CATLOW'S CAM TWIST MAGNETIC IN-LINE DESIGN IS
THE FUTURE OF BREAKAWAY TECHNOLOGY!**

As a cost saving feature, Catlow has designed a replacement lower half unit so in the event of a drive off, you only have to replace the lower half!

FEATURES and BENEFITS:

- * Inspectable, No "Remove-By" date
- * Patented Magnetic Snap-back Technology
- * Resists "Hydraulic Hammer" problems
- * UL/ULC Listed, CARB Certified, Meets NFPA 30A Codes
- * BSPP & BSPT threads available upon request
- * Separation force designed at 230 or 300 lbs.
- * Durable plastic cover prevents damage during a driveoff
- * Replacement "Lower" half of Breakaway available
- * Reduces Environmental Impact. No need to drain assemblies to change nozzle
- * One year warranty

MATERIALS:

- * Body is Aluminum
- * O-ring & Seals are Viton
- * Cover is Nylon

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| CTM75 | 3/4" NPT (230 LBS PULL FORCE) |
| CTM100 | 1" NPT (300 LBS PULL FORCE) |
| CTMVA | VAC-ASSIST M34 X 1.5 (230 LBS PULL FORCE) |
| CTM75-HD | 3/4" NPT (300 LBS PULL FORCE) |
| CTM75-L | 3/4" LOWER UNIT |
| CTM75HD-L | 3/4" LOWER UNIT, HEAVY DUTY |
| CTM100-L | 1" LOWER UNIT |
| CTMVA-L | VAC-ASSIST LOWER UNIT |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|------------------------------|
| A13-SW | 8" WHIP HOSE FOR CTM75 or HD |
| B9-SW | 12" WHIP HOSE FOR CTM100 |
| V1012-1-SW | 12" WHIP HOSE FOR CTMVA |
| 2976 | O'RING KIT CTM75 |
| 2978 | O'RING KIT CTM75-HD/CTM100 |
| 2977 | O'RING KIT CTMVA |





CATLOW

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C200CV Coaxial Breakaway with DUAL Check Valves

IC200CV Coaxial Breakaway

VAPOR RECOVERY

The C200CV is designed to be used with Stage II balance vapor recovery coaxial hoses to interrupt the flow of fluid and vapors in the event of a break.

Completely compatible with all major hose manufacturers, the C200CV offers minimal flow restriction, easy reconnection in the field and countless hours of safe reliable service.



FEATURES and BENEFITS:

- * C.A.R.B. certified G-70-52-AM
- * UL/ULC Listed
- * Spring loaded poppets stop the flow of fluid at both ends of the break
- * Seals the flow of vapors to the dispenser
- * 300 lbs. pull force
- * Reconnects on site in minutes using shear pin repair kit
- * Minimum flow restriction
- * Meets NFPA 30A Codes
- * 1 year warranty

MATERIALS:

- *Body is Cast Aluminum
- *Disc & Seals are Viton

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|-----------------------------|
| C200CV | BALANCE SHEAR PIN BREAKAWAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|----------------------|
| C200CVR | SHEAR PIN REPAIR KIT |
| V012 | 12" WHIP HOSE |

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Our C200CVS Balance Snap-Back Breakaway is designed to protect your expensive vapor recovery equipment during a drive-off.

The C200CVS has dual valves that seat automatically sealing the flow of fuel on both sides and sealing the flow of vapors to the dispenser. With convenience in mind this breakaway is easily reassembled on-site within minutes and without the need of a repair kit.

FEATURES and BENEFITS:

- * Mates with all 1 7/8-12 thread Balance Hoses
- * Compatible with all Balance Systems
- * C.A.R.B. Certified
- * Meets NFPA 30A Codes
- * 300 lbs. pull force
- * Hytrel cover protects the breakaway and helps to prevent damage to your customers vehicle during separation
- * No repair kit required
- * Easily maintained on site
- * Spring technology snap-back system
- * 1 year warranty

MATERIALS:

- *Body is Cast Aluminum
- *Disc & Seals are Viton
- *Protective Cover is Hytrel

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C200CVS

In-Line Snap-Back Breakaway



C200CVS In-Line Breakaway

VAPOR RECOVERY

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|-----------------------------|
| C200CVS | BALANCE SNAP BACK BREAKAWAY |

Accessories

| PART NUMBER | DESCRIPTION |
|-------------|---------------|
| V012 | 12" WHIP HOSE |



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The *CONVERTER KIT* is used where
Vac-Assist Stage II Vapor Recovery Systems are no longer required

The *CONVERSION KIT* converts *Vac-Assist Vapor Recovery Systems that use a M-34 Metric Coaxial fitting to a standard 3/4" NPT thread complete conventional system*

KIT CONTAINS:

- 1 #VA34 (Converter Adapter)
- 1 #CTM75HD (Cam Twist Breakaway 3/4" HD)
- 1 #C7203/4 (Twister Swivel 3/4")
- 1 #NEPNL (Elite Prepay unleaded)

Reduce your cost ~ BUY A KIT

VA34PK CONVERTER KIT

VA34PK CONVERTER KIT



VA34



CTM75



C720 3/4



ELITE

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--|
| VA34PK | CONVERTS M-34 METRIC FITTING TO A STANDARD 3/4" NPT THREAD |

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BALANCE CONVERSION KIT

BALANCE CONVERSION KIT

*The BALANCE CONVERSION KIT is used where
Balance Stage II Vapor Recovery Systems are no longer required*

Convert Balanced Vapor Recovery dispensers to 3/4" Conventional fueling. All you need to do is use your own brand of 3/4" hose (whip & main) and you're ready for conventional fueling. This conversion allows the end user the advantage of lighter, less expensive conventional equipment.

(Consult with local authorities having jurisdiction to determine approval to remove Stage II Vapor Recovery systems)



200XV



CTM75



C720 3/4



KIT CONTAINS:

- 1 200XV Adapter (1 7/8-12 to 3/4" NPT)
- 1 CTM75 Cam Twist Breakaway
- 1 C720 3/4 Twister Swivel
- 1 NEPNL Elite New PREPAY Unleaded

Reduce your cost ~ BUY A KIT

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 200XVPK | CONVERTS BALANCE SYSTEMS TO CONVENTIONAL |

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Reduce your cost ~ BUY A KIT

The M3418 Adapter kit is designed to convert 1-1/4" -18 straight threads to M-34 Metric threads for the installation of the Catlow *CAM TWIST™* Vac-Assist Breakaway

Features & Benefits:

- * Adapts 1-1/4" -18 straight thread to M-34 metric thread
- * Used in dispenser outlet casting and hanging hardware components
- * Better and larger selection of M-34 style equipment
- * Easy to connect
- * As approved by TCEQ under California Air Resource Board of Executive Order Number G-70-191-AA

KIT CONTAINS:

- 2 #M3418 (Vac-Assist Adapters)
- 1 CTMVA Cam Twist Vac-Assist Breakaway

M3418 ADAPTER KIT

M3418 ADAPTER KIT



M3418



CTMVA



M3418

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| M3418K | KIT TO CONVERT STRAIGHT THREAD TO METRIC THREAD |

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ADAPTERS & KITS PRODUCT

CATALOG

Please accept our invitation to join our newsletter updates to stay current with new product releases and current information. This invitation can be found on the home page of our website.

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THE GOVERNOR ADAPTER

Model 10G-1 Flow Limiter (Male to Female)

INSTALL
DIRECTLY IN THE
DISPENSER
OUTLET



THE GOVERNOR ADAPTER

Standard

The Governor is specifically designed to meet the 1996 Federal EPA 10 GPM requirement. Both adapters fit manufacturers' standard automatic nozzles by restricting the flow to meet requirements.

MATERIALS 10G-1:

- * Body is zinc-plated steel
- * Spring is stainless steel
- * Install in dispenser outlet

FEATURES and BENEFITS:

- * Controls the flow of gasoline at 9.5 GPM—10 GPM
- * Light weight and maintenance free
- * Spring loaded piston design
- * One year warranty

MATERIALS 10G:

- * Body is zinc-plated aluminum
- * Spring is stainless steel
- * Install at the nozzle inlet

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---------------------|
| 10G-1 | 3/4" MALE TO FEMALE |
| 10G | 3/4" FEMALE TO MALE |

Model 10G Flow Limiter (Female to Male)

INSTALL AT THE
NOZZLE INLET



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200PV Coaxial Splitter Valve 200BI Conversion Adapter



200PV Coaxial Splitter Valve

The 200PV Coaxial Splitter Valve separates the flow of vapor and gasoline between the dispenser and the hose. Easy to install during the retrofitting of balance assist systems to Stage II. The 200PV makes the job easier.

Features

- C.A.R.B. certified
- UL Listed
- Tested to the highest quality standards

Materials

- Cast aluminum



200BI Conversion Adapter

The 200BI Conversion Adapter is designed to allow a dispenser plumbed for a balance vapor recovery application to be fitted with inverted hanging hardware. The 200BI is easy to install between the dispenser outlet and curb hose. Electroless nickel plating on the cast aluminum body of the 200BI make it durable and reliable.

Features

- C.A.R.B. certified
- UL Listed
- Tested to the highest quality standards

Materials

- Cast aluminum plated with electroless nickel (for M85)



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VA34

CONVERTER M-34 Metric to 3/4" NPT



VA34 Converter

STANDARD

VAPOR RECOVERY

The CONVERTER is used where *Stage II Vapor Recovery Systems are no longer required.*

The Catlow CONVERTER converts Vac-Assist Vapor Recovery Systems that use M-34 Metric Coaxial fitting to a standard 3/4" NPT thread. The center piece plugs the vapor path and allows a standard 3/4" NPT thread to be connected and permit fuel flow.

FEATURES and BENEFITS:

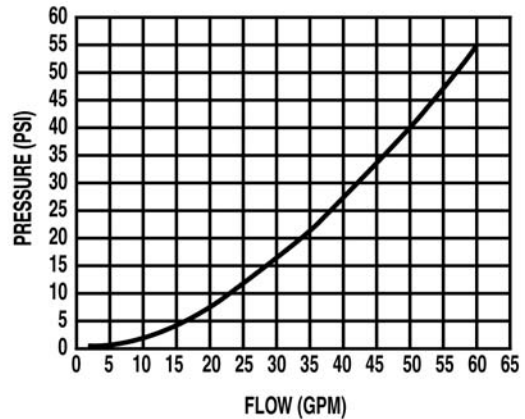
- * Small and lightweight
- * Cost effective way to convert to standard equipment
- * M-34 metric to 3/4" NPT (F)
- * Easy to install
- * 1 year warranty

MATERIALS:

- * Body is Aluminum
- * O-rings are Viton

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|----------------------------------|
| VA34 | CONVERTS M-34 METRIC TO 3/4" NPT |



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The *CONVERTER KIT* is used where
Vac-Assist Stage II Vapor Recovery Systems are no longer required

The *CONVERSION KIT* converts *Vac-Assist Vapor Recovery Systems that use a M-34 Metric Coaxial fitting to a standard 3/4" NPT thread complete conventional system*

KIT CONTAINS:

- 1 #VA34 (Converter Adapter)
- 1 #CTM75HD (Cam Twist Breakaway 3/4" HD)
- 1 #C7203/4 (Twister Swivel 3/4")
- 1 #NEPNL (Elite Prepay unleaded)

Reduce your cost ~ BUY A KIT

VA34PK CONVERTER KIT

VA34PK CONVERTER KIT



VA34



CTM75



C720 3/4



ELITE

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--|
| VA34PK | CONVERTS M-34 METRIC FITTING TO A STANDARD 3/4" NPT THREAD |

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200XV BALANCE SYSTEM TO CONVENTIONAL

200XV Adapter



VAPOR RECOVERY

The ADAPTER is used where **Stage II Vapor Recovery Systems are no longer required.**

This Catlow adapter converts BALANCE Vapor Recovery Systems that use 1 7/8-12 Coaxial fitting to a standard 3/4" NPT thread. This adapter blocks the vapor path and allows a standard 3/4" NPT thread to be connected and permit fuel flow.

FEATURES and BENEFITS:

- * Small and lightweight
- * Cost effective way to convert to standard equipment
- * 1 7/8-12 threads to 3/4" NPT (F)
- * Easy to install
- * 1 year warranty

MATERIALS:

- *Body is Aluminum
- *O-rings are Viton

Also sold in a KIT!

Check with your local Distributor



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| ORDERING SPECIFICATIONS | |
|-------------------------|--|
| PART NUMBER | DESCRIPTION |
| 200XV | ADAPTER TO CONVERT BALANCE SYSTEMS TO CONVENTIONAL |

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BALANCE CONVERSION KIT

BALANCE CONVERSION KIT

*The BALANCE CONVERSION KIT is used where
Balance Stage II Vapor Recovery Systems are no longer required*

Convert Balanced Vapor Recovery dispensers to 3/4" Conventional fueling. All you need to do is use your own brand of 3/4" hose (whip & main) and you're ready for conventional fueling. This conversion allows the end user the advantage of lighter, less expensive conventional equipment.

(Consult with local authorities having jurisdiction to determine approval to remove Stage II Vapor Recovery systems)



200XV



CTM75



C720 3/4



KIT CONTAINS:

- 1 200XV Adapter (1 7/8-12 to 3/4" NPT)
- 1 CTM75 Cam Twist Breakaway
- 1 C720 3/4 Twister Swivel
- 1 NEPNL Elite New PREPAY Unleaded

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ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 200XVPK | CONVERTS BALANCE SYSTEMS TO CONVENTIONAL |

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M3418

Vac-Assist ADAPTER

1-1/4" -18 STRAIGHT THREAD to M34 METRIC

M3418 Vac-Assist ADAPTER STANDARD

VAPOR RECOVERY

The ADAPTER is designed to convert 1-1/4"-18 straight threads to M-34 metric threads used in Vac-assist vapor recovery systems.

The ADAPTER enables hanging hardware to be used with more common M-34 Metric threads. Application as approved by TCEQ for Cam Twist Vac-assist breakaway



FEATURES and BENEFITS:

- * Adapts 1-1/4"-18 straight thread to M-34 metric thread
- * Used in dispenser outlet casting and hanging hardware components
- * Better selection of M-34 style equipment
- * Easy to connect
- * C.A.R.B. Certified, Executive Order Number G-70-191-AA, for use in Texas
- * 1 year warranty

MATERIALS:

- * Nickel plated aluminum
- * Aluminum Vapor spool piece
- * Viton O-rings

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---------------------------------|
| M3418 | ADAPTER FROM STRAIGHT TO METRIC |

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Reduce your cost ~ BUY A KIT

The M3418 Adapter kit is designed to convert 1-1/4" -18 straight threads to M-34 Metric threads for the installation of the Catlow *CAM TWIST™* Vac-Assist Breakaway

Features & Benefits:

- * Adapts 1-1/4" -18 straight thread to M-34 metric thread
- * Used in dispenser outlet casting and hanging hardware components
- * Better and larger selection of M-34 style equipment
- * Easy to connect
- * As approved by TCEQ under California Air Resource Board of Executive Order Number G-70-191-AA

KIT CONTAINS:

- 2 #M3418 (Vac-Assist Adapters)
- 1 CTMVA Cam Twist Vac-Assist Breakaway

M3418 ADAPTER KIT

M3418 ADAPTER KIT



M3418



CTMVA



M3418

ORDERING SPECIFICATIONS

| PART NUMBER | DESCRIPTION |
|-------------|---|
| M3418K | KIT TO CONVERT STRAIGHT THREAD TO METRIC THREAD |

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TERMS AND WARRANTY

Rebuilt Nozzles:

Rebuilt Nozzles are invoiced at exchange price, and terms: Net 30 Days from invoice date. A separate invoice will be issued for core charges. Nozzle cores may be returned within sixty (60) days from invoice date to receive full credit against the core charge invoice.

Terms and Service Charge:

The terms for approved accounts: Net 30 Days on all orders. Terms for core charges: 60 Days Net. A service charge of 1 1/2% per month - 18% annual rate - will be added to all past due accounts.

Freight:

Freight is prepaid when net order to one destination is greater than:

\$2,500 All shipments within the continental USA

\$3,000 All International & Canadian shipments

Minimum Purchase: (Repair parts are an exception)

\$100.00 per order: All shipments within the continental USA

\$500.00 per order: All International & Canadian shipments

Remittance Address:

Please use this address for Remittance ONLY

VEEDER ROOT COMPANY

P.O. Box 99502

Chicago, IL 60693-9502

Limited Warranty:

CATLOW expressly warrants that its products shall be free from defects in materials and workmanship for a period of one year from the date of manufacture. This warranty is limited to repair or replacement by CATLOW upon return of the product to the CATLOW factory. This warranty does not apply in the event of any misuse or neglect of the product. The foregoing warranty is the exclusive remedy of purchasers of CATLOW products. CATLOW expressly disclaims any warranties, other than the foregoing express warranty, including the implied warranties of merchantability and fitness for a particular purpose, and disclaims any and all liability for consequential damages resulting from the use of its products.

Warranty Procedure:

All nozzles returned under warranty within 60 days, will be replaced with a new product. If the nozzle is dated beyond 60 days, it will be replaced with a rebuilt nozzle that carries the same warranty. The only exceptions are vapor recovery nozzles. If the nozzle returned to us was originally purchased as a new or rebuilt, that is what will be sent as a replacement.

Vapor recovery nozzles must have the "Nozzle Warranty Tag" completed and returned with the nozzle for the warranty to be honored. **VERY IMPORTANT** You must include the replacement serial number on the tag for the warranty to be honored. Without the tag, the warranty will not be honored. In addition to this, the vapor recovery nozzle replacement serial number will replace the serial number of the nozzle sent to us under warranty. We will be prorating the remaining warranty on the replacement nozzle.

Returned Goods:

Resalable material of standard manufacture must not be returned without first receiving a Return Goods Authorization number. Products accepted for return must be in first class condition, resalable as new and shipping charges prepaid. Minimum handling charge is 20% deducted from the price paid by the customer, or current price, whichever is lower.

All items shipped to Catlow must have a Returned Goods Authorization number (RGA).

**Sales Desk (800) 222-8569 - Sales Fax (937) 898-8631 - Phone (937) 898-3236
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