



MADE IN THE USA

# PRODUCT CATALOG



REV.9.11

[www.catlow.com](http://www.catlow.com)



# STANDARD PRODUCT

# CATALOG

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REV.9.11

CATLOW, INC.  
2750 US RT 40  
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Phone (800) 222-8569 Fax (937) 898-8631  
[www.catlow.com](http://www.catlow.com)

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Please reference individual product sheets for ordering specifications



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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.

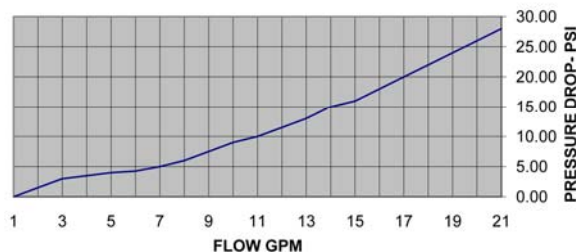
Utilizing a single poppet in this nozzle affords smooth flow from high GPM's to minimal flow rates. This true 1" NPT nozzle is completely rebuildable and can be used for unleaded fuel as well as diesel refueling.

## 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 upon request
- \*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 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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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

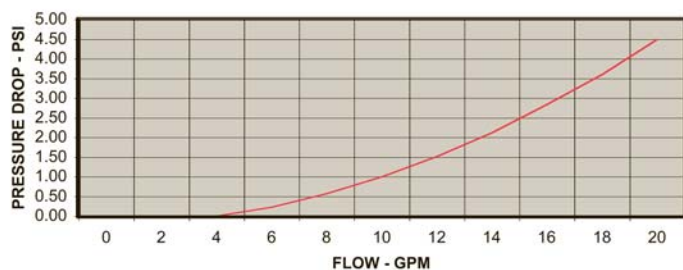
## FEATURES and BENEFITS:

- \*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

C720-3/4 SWIVEL



# C720

## Twister Swivels



C720 TWISTER SWIVELS

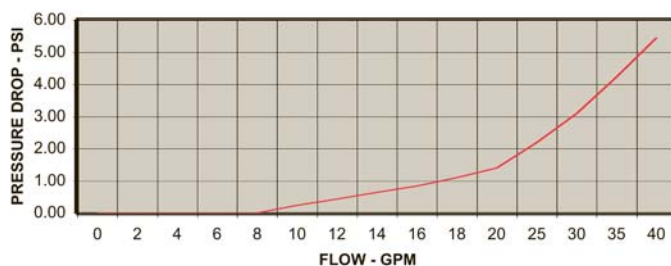
Standard

Diesel

## 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

C720-1 SWIVEL



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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.

## 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

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# C860S

*In-Line Snap-Back Breakaway*



C860S SNAP-BACK BREAKAWAY

STANDARD

DIESEL

## 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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[www.catlow.com](http://www.catlow.com)

The CATLOW C86NT 3/4" In-Line Breakaway is the industry leader. Small & lightweight with minimal flow restriction and easy to repair 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
- \*Repair kit available
- \*Reconnects on site in minutes
- \* 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
C86R	SHEAR PIN & O'RING REPAIR KIT
C86R-2	SHEAR PIN ONLY KIT
C86BN-1	REPLACEMENT HYTREL COVER



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## CAM TWIST MAGNETIC

*In-Line Breakaway*



CAM 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
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 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 and 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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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 upon request (AD)
- \*Full cover provided for added protection
- \*Spout assembly easily replaced
- \*Completely rebuildable
- \* Custom logo available upon request
- \* 1 year warranty

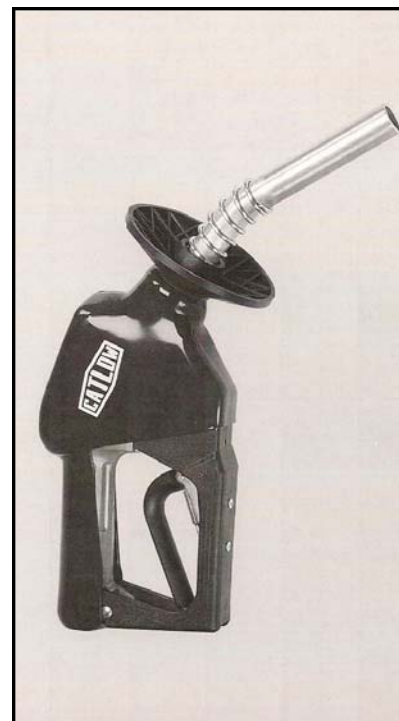
### MATERIALS:

- \*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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## ELITE

*Automatic Nozzle 3/4" NPT*



ELITE Automatic Nozzle 3/4" NPT

STANDARD

### 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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## 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 Aluminum
- \*Body Aluminum & Brass on 1-1/2"

### 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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# VAPOR RECOVERY PRODUCT

# CATALOG

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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.

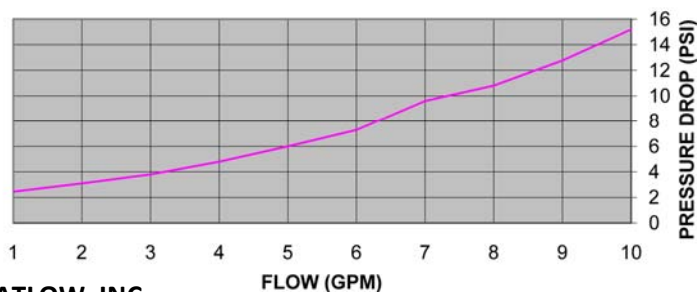
### FEATURES and BENEFITS:

- \*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



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## ICVN

*Vac Assist Automatic Nozzle*



ICVN Vac Assist Automatic Nozzle

Vapor Recovery

### 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
*G70-209	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*



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

This Catlow adapter converts BALANCE Vapor Recovery Systems that use M-34 Metric 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
- \* M-34 metric to 3/4" NPT (F)
- \* Easy to install
- \* 1 year warranty

#### MATERIALS:

- \*BODY Aluminum
- \*O'RINGS Viton

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## 200XV

### BALANCE SYSTEM TO CONVENTIONAL



200XV Adapter

VAPOR RECOVERY

#### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
200XV	ADAPTER TO CONVERT BALANCE SYSTEMS TO CONVENTIONAL

**ALL PRODUCTS MADE IN USA**



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Catlow's Vac-Assist Breakaway is the leader in Petroleum dispensing equipment technology. The AV200CN was the first in the industry to be specifically designed for all Vac-assist systems.

While protecting the environment, the AV200CN will protect your valuable dispensers and equipment during a drive off. The dual check valves in this breakaway shuts off the fuel in both ends of the breakaway.

## FEATURES and BENEFITS:

- \*CARB approved
- \* UL/ULC Listed
- \*Meets NFPA 30A Codes
- \*Mates with M34 metric thread Vac assist hoses 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
- \* Suggested 5 year service life.. Remove by dates stamped on product
- \*Repair kit available
- \*Reconnects on site in minutes
- \* 1 year warranty

## MATERIALS:

- \*Body is Aluminum
- \*Seals are Nitrile & Viton
- \*Protective cover is Hytrel

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## AV200CN

Vac-Assist Shear Pin Breakaway



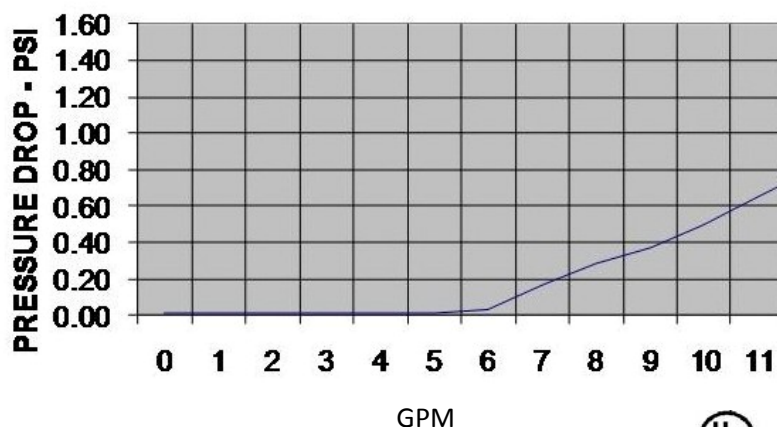
AV200CN SHEAR PIN BREAKAWAY VAPOR RECOVERY

### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
AV200CN	VAC-ASSIST BREAKAWAY

### Accessories

PART NUMBER	DESCRIPTION
VI012-1	12" WHIP HOSE
C86R-2	SHEAR PIN ONLY
C100BN-1	PROTECTIVE PLASTIC COVER
AV200R	REPAIR KIT



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The C200CV is designed to be used with Stage II balance vapor recovery coaxial hoses to interrupt the 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 ours 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 Cast Aluminum
- \*DISC & SEALS Viton

## C200CV

Coaxial Breakaway with DUAL Check Valves



IC200CV Coaxial Breakaway

VAPOR RECOVERY

#### 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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[www.catlow.com](http://www.catlow.com)

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 Cast Aluminum
- \*DISC & SEALS Viton
- \*PROTECTIVE COVER 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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# IC3

## Inverted 45° Swivel



### Model No. IC3 Inverted 45° Swivel

As the leading manufacturer in breakaway and swivel technology, Catlow has once again brought a "One-Of-A-Kind" product to the market. We are proud to introduce the new inverted swivel. This product was designed similar to the standard hose swivel, to extend the life of your hose and make the nozzle and hose more flexible and thus user-friendly. The IC3 swivel can be installed at the nozzle or top-mounted at the dispenser, on all types of vapor recovery inverted systems.

### Features

- Install at the nozzle or top-mount at the dispenser
- 45° swivel plane
- Compatible with all vapor recovery inverted systems
- Moves freely and easily in any plane of space
- Extends the life expectancy of your hose
- Makes your complete vapor recovery system more user-friendly

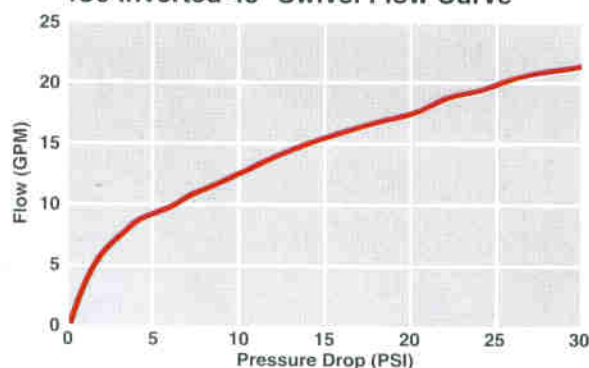
### Materials

- Body is cast aluminum
- Swivel is stainless steel
- Vapor path is molded plastic
- Seals are Super Viton

### Accessories

- O-ring kit (IC3R)

IC3 Inverted 45° Swivel Flow Curve







# HI FLOW DIESEL PRODUCT

## CATALOG

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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.

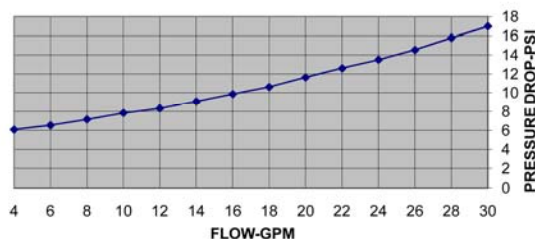
Available as a standard or prepay (no pressure/no flow) nozzle. The prepay nozzle is specifically designed for unattended self-service and cardlock refueling locations. The prepay feature enables the station operator to control the dispensing of fuel.

## 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 Sand cast Aluminum
- \*LEVER/HANDGUARD Super-Tuff glass filled Nylon
- \*SEALS Viton
- \*SPOUT 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



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[www.catlow.com](http://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 to 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 Aluminum sandcast
- \*LEVER Plated steel
- \*HANDGUARD Glass filled Nylon
- \*DISC & SEALS Nitrile and Viton

## 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

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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.

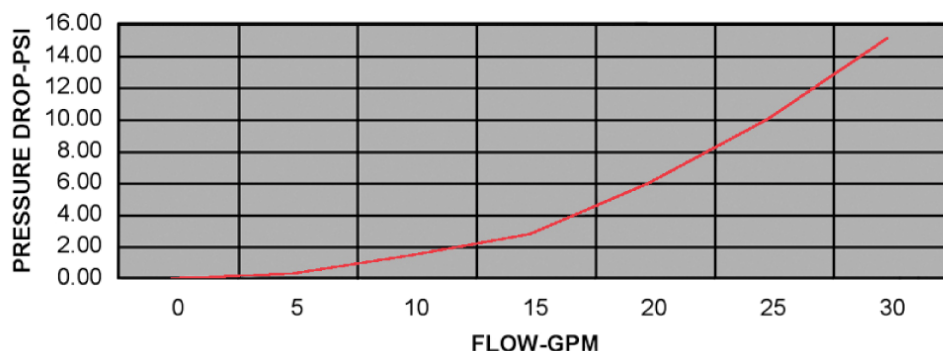
### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
C1000S	1" SNAP-BACK BREAKAWAY

### Accessories

PART NUMBER	DESCRIPTION
B9	12" WHIP HOSE

### C1000S BREAKAWAY



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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.

## C100N

*In-Line Shear Pin Breakaway*



C100N SHEAR PIN BREAKAWAY

DIESEL

### 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
- \*Repair kit available
- \*Reconnects on site in minutes
- \* 1 year warranty

### MATERIALS:

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

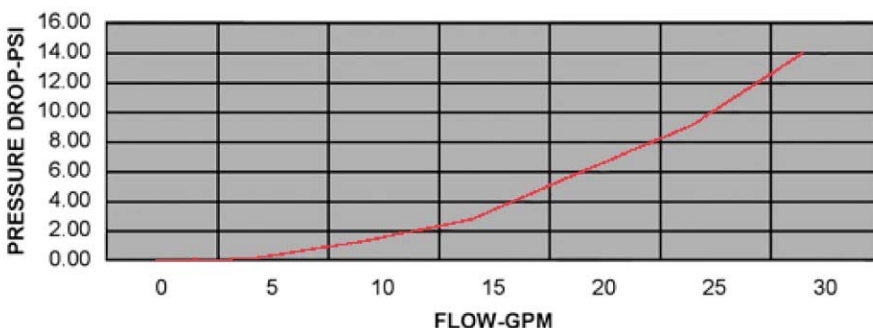
### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
C100N	1" SHEAR PIN BREAKAWAY

### Accessories

PART NUMBER	DESCRIPTION
B9	12" WHIP HOSE
C100R	SHEAR PIN & O'RING REPAIR KIT
C86R-2	SHEAR PIN ONLY KIT
2348	REPLACEMENT HYTREL COVER

### C100N BREAKAWAY



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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 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

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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 HI-FLO

*Automatic Transfer Pump Nozzle*



SECUR HI-FLO Automatic Nozzle

FARM

### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
NM1TPAD	NEW, HIGH FLO TRANSFER PUMP

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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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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 Cast Aluminum
- \*WEIGHT 4.7 LBS
- \*INLET 1-1/2" NPT
- \*SPOUT Aluminum 1-7/8" OD
- \*SEALS Viton and Buna

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## CM21 1-1/2"

### Manual Bulk Fueling Nozzle



CM21 AUTOMATIC 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

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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 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 Aluminum
- \*WEIGHT 5.3 LBS
- \*INLET 1-1/2" NPT
- \*SPOUT Aluminum 1-3/8" OD
- \*SEALS 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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# ADAPTERS & KITS PRODUCT

# CATALOG

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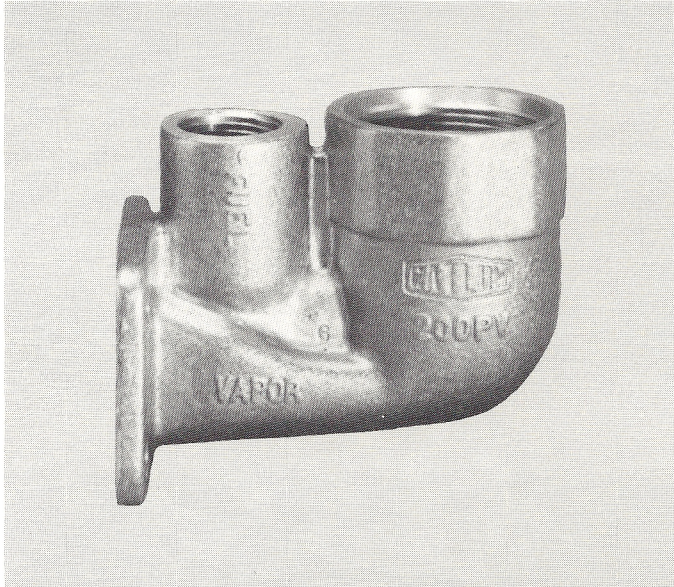
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## 200PV Coaxial Splitter Valve 200BI Conversion Adapter

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### 200PV Coaxial Splitter Valve

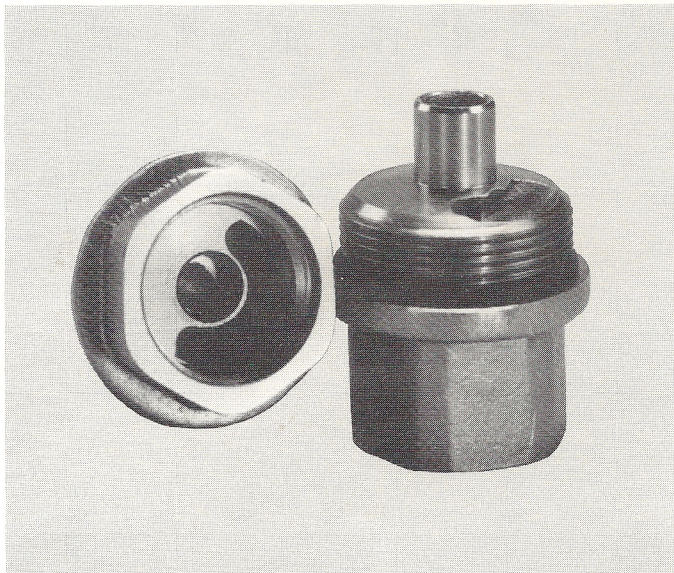
The 200PV Coaxial Splitter Valve separates the flow of vapor and gasoline between the dispenser and the hose. Easy to install during the retrofitting of balance assist systems to Stage II. The 200PV makes the job easier.

#### 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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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 Aluminum
- \* O'RINGS Viton

Also sold in a KIT!

Check with your local Distributor

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## 200XV

BALANCE SYSTEM TO CONVENTIONAL



200XV Adapter

VAPOR RECOVERY

#### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
200XV	ADAPTER TO CONVERT BALANCE SYSTEMS TO CONVENTIONAL





[www.catlow.com](http://www.catlow.com)

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

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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

### 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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## M3418

Vac-Assist ADAPTER

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

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



M3418 Vac-Assist ADAPTER

STANDARD

VAPOR RECOVERY

### 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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CATLOW, INC.  
2750 US RT 40  
TIPP CITY, OHIO 45371 USA  
Phone (800) 222-8569 Fax (937) 898-8631  
[www.catlow.com](http://www.catlow.com)

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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:

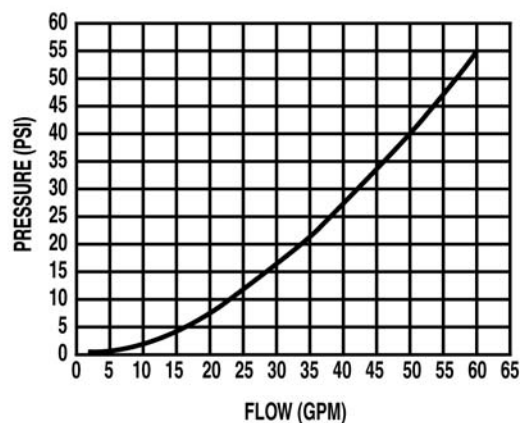
- \* Small and lightweight
- \* Cost effective way to convert to standard equipment
- \* M-34 metric to 3/4" NPT (F)
- \* Easy to install
- \* 1 year warranty

### MATERIALS:

- \*BODY Aluminum
- \*O'RINGS Viton

### ORDERING SPECIFICATIONS

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



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*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)

#### 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***



200XV



CTM75



C720 3/4



ELITE

#### ORDERING SPECIFICATIONS

PART NUMBER	DESCRIPTION
200XVPK	CONVERTS BALANCE SYSTEMS TO CONVENTIONAL

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BALANCE CONVERSION KIT



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## M3418K ASSIST ADAPTER KIT

The "Adapter Kit" is designed to convert 1- $\frac{1}{4}$ " - 18 straight threads to M-34 Metric threads for the installation of the Catlow "Cam Twist" Vac-Assist Breakaway.

### Features & Benefits:

- Adapts 1- $\frac{1}{4}$ " - 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 California Air Resource Board of Executive Order Number G-70-191-AA

### Kit Contains:

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

### Ordering Specifications:

- M3418K Kit to adapt 1- $\frac{1}{4}$ " - 18 straight thread to M34 metric threads



M3418



CTMVA



M3418

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## VA34K CONVERTER KIT

The "Converter Kit" is used where Stage II Vapor Recovery Systems are no longer required. The Catlow "Converter Kit" converts Vac-Assist Vapor Recovery Systems that use M-34 Metric Coaxial fitting to a standard  $\frac{3}{4}$ " NPT thread complete conventional system.

### Kit Contains:

- 1 - #VA34 (Converter Adapter)
- 1 - #CTM75 (Cam Twist Breakaway  $\frac{3}{4}$ " )
- 1 - #C7203/4" (Twister Swivel  $\frac{3}{4}$ " )
- 1 - #NENL (Elite New unleaded) or #NEPNL (Elite New unleaded PREPAY)

### Ordering Specifications:

- VA34K      Kit to convert M-34 Metric fitting to a standard  $\frac{3}{4}$ " NPT thread NENL
- VA34KP    Kit to convert M-34 Metric fitting to a standard  $\frac{3}{4}$ " NPT thread NEPNL



VA34



CTM75



C7203/4



ELITE

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