Catlow Hanging Hardware Retail Product Catalog

Nozzles



Max 1 Series High Flow Automatic Nozzles



AVRN Vapor Recovery Nozzle



Ergo™ High Performance Series Nozzles

Breakaways

Swivels





In-Line Swivel (ILS)



In-Line Swivel with Reconnectable Breakaway (ISBA)



Cam Twist VAC-Assist Magnetic Breakaway



Single-Use Breakaway





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ERGO™ 75

ENGINEERED FOR PERFORMANCE







DESIGNED FOR COMFORT

Performance in Hand.

We set out to completely reinvent the dispenser nozzle and found our inspiration in nature's perfect design – the human hand. The result is the Catlow Ergo™ 75 family of nozzles.

The Ergo™ 75 nozzle is sleek, streamlined and comfortable – it's the lightest nozzle ever designed. Purpose-built for easy one-handed operation. Built with stronger materials, tested for 3 million test cycles and offered with an industry-leading 24-month warranty.

Ergo family of nozzles support all your fueling needs, including Ethanol blends (up to E25 and E85), Biodiesel blends (up to B20) and DEF/AdBlue.

Spout Models

ER75AGA2 | UNLEADED SPOUT | Up to 10% Ethanol Compatible

ER75E25A2 | UNLEADED SPOUT | Up to E25 Compatible

ER75E85A2 | UNLEADED SPOUT | Up to E85 Compatible

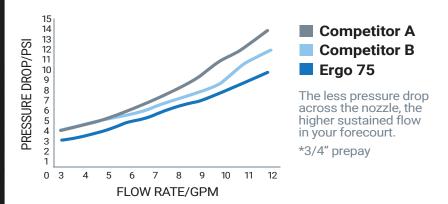
ER75ADA2 | LEADED SPOUT FOR AUTO DIESEL

ER75B20A2 | DIESEL SPOUT | Up to B20 Compatible

ER75DXX02 | DIESEL EXHAUST FLUID SPOUT | DEF/AdBlue

Performance

PRESSURE DROP vs. FLOW RATE*

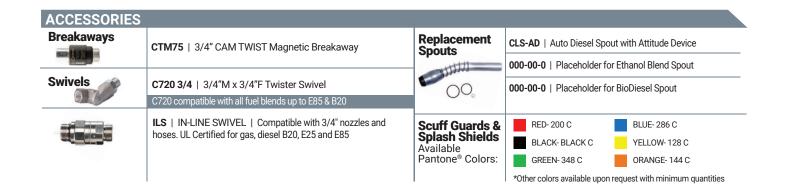




ERGO™ 75

ENGINEERED FOR PERFORMANCE







ELITE SPREMIUM CONVENTIONAL LINE







PRESSURE SENSITIVE NOZZLES



The Elite automatic shutoff nozzle is designed for retail and commercial fueling sites. The familiar styling brings comfort to the end user while the lightweight construction produces a smooth-working, rugged nozzle specifically designed for endurance.

The Elite Prepay pressure-sensitive nozzle is specifically designed for self-service or card-lock systems. The pressure-sensitive (no pressure, no flow) feature enables the station operator to control the dispensing of fuel. The Elite features a user-friendly one-hand hold-open latch, and the unique attitude device feature provides automatic shut-off if raised above horizontal or if it falls from the vehicle.

Models

UNLEADED NOZZLES

NEPNL | PRESSURE SENSITIVE AUTO GAS | *Up to E10 Compatible*

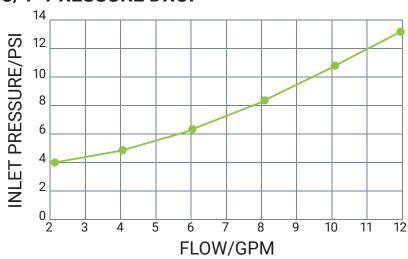
NEPNL-E85 | PRESSURE SENSITIVE AUTO GAS | *Up to E85 Compatible*

AUTO DIESEL NOZZLES

NEPL | PRESSURE SENSITIVE AUTO DIESEL

Performance

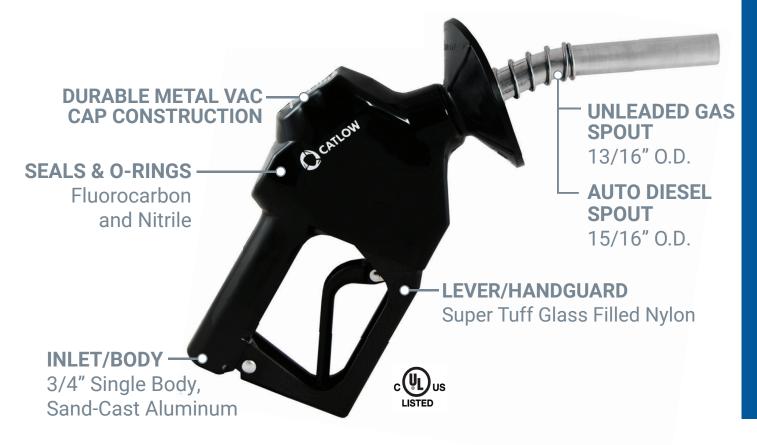
3/4" PRESSURE DROP





ELITE S

PREMIUM CONVENTIONAL LINE



Features & Benefits

- Easy one-hand hold-open mechanism
- UL/ULC 2586 listed to be used in unleaded, auto diesel
- Trickle Flo Poppet allows customers to easily regulate low-flow fuel dispensing
- Pressure sensitive design prevents spills in prepay fuel dispensing
- Updated separate cover and hand warmer design
- Integrated swivel options available on all Elite models/Factory assembled swivels ensure the correct fit and reduces assembly time
- Attitude Device (AD) provides automatic shut-off if raised above horizontal or if it falls from the vehicle (safety feature standard on all Elite S models)
- All major oil company colors available
- Custom logo available upon request
- Splash shield included with each new nozzle
- Industry-leading 12 -month warranty for all new Elite nozzles



ELITE S ACCESSORIES

UNLEADED NOZZLE MODELS

NEPL I PRESSURE-SENSITIVE AUTO GAS

NEPNL-E85 | PRESSURE SENSITIVE AUTO GAS | Up to E85 Compatible

AUTO DIESEL NOZZLE MODELS

NEPL I PRESSURE-SENSITIVE AUTO DIESEL

ACCESSORIES	S				
Breakaways	CTM75 3/4" CAM TWIST Magnetic Breakaway C86NT 3/4" Single-Use Breakaway	Full Assemblies	The no-hassle solution for your hanging hardware needs. They're factory pre-assembled, continuity and pressure		
Swivels	C720 3/4 3/4"M x 3/4"F Twister Swivel C720 compatible with all fuel blends up to E85 & B20		decay tested to reduce installation time. Our assemblies support the full Catlow product set and reduce the need for numerous inventory parts		
	ILS IN-LINE SWIVEL Compatible with 3/4" nozzles and hoses. UL Certified for gas, diesel B20, E25 and E85		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Swivel/ Breakaways	ISBA-75N IN-LINE SWIVEL/BREAKAWAY Compatible with 3/4" nozzles and hoses and all fuel blends up to E85 and B20	Scuff Guards & Splash Shields Available Pantone® Colors:	RED- 200 C BLUE- 286 C PELLOW- 128 C GREEN- 348 C ORANGE- 144 C *Other colors available upon request with minimum quantities		
Replacement Spouts	CNLS-AD-P Pressure Sensitive Spout with Attitude Device CLS-AD-P Pressure Sensitive Spout with Attitude Device				



MAX 1.3

HI-FLOW AUTOMATIC SHUT-OFF DIESEL NOZZLE



12 MONTH

WARRANTY



SUPERIOR COLD WEATHER PERFORMANCE



MAX 1.3

SPECIFICATIONS AND ACCESSORIES

SEALS & O-RINGS Fluorocarbon and Nitrile INLET/BODY 1" Single Body, Sand-Cast Aluminum LEVER/HANDGUARD Super Tuff Glass Filled Nylon

Features & Benefits

- · Certified UL/ULC 2586 listed
- Rugged, heavy-duty design
- All nozzles available as Self Serve (S)
- Unique attitude device (AD) provides automatic safety shut-off if spout is raised above horizontal or if the nozzle falls from the vehicle
- · Pressure-sensitive design prevents spills in prepay fuel dispensing
- Dual poppet design makes the nozzle easier to open under high inlet pressure

- Longer spout with Anchor Bushing (AR) available upon request for improved durability
- Cover and handguard material designed to protect customers' vehicles
- · Mates with all standard hardwall or softwall 1" hoses
- NPT and BSPP threads available
- · Custom logo available upon request
- · All major oil company colors available

MODELS

NM1P-AR-AD | AUTOMATIC DIESEL NOZZLE | With 2-step Hold-open Device, Attitude Device, Anchor Bushing, Full Scuff Guard and Splash Shield

NM1P-0-03-0 | AUTOMATIC DIESEL NOZZLE | No Hold-open device with Trickle Flo Poppet, Attitude Device, Anchor Bushing and Full Scuff Guard

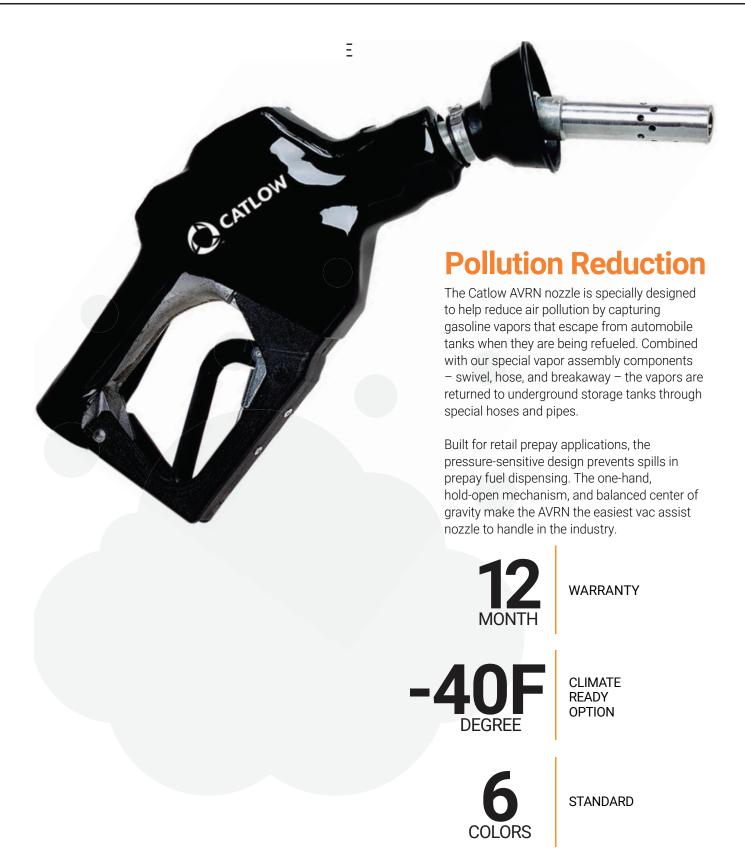
NM1P-0-01-3 | AUTOMATIC DIESEL NOZZLE | With 3-step Hold-open Device, Trickle Flo Poppet, Attitude Device and Full Scuff Guard

NM1P-0-02-3 | AUTOMATIC DIESEL NOZZLE | With 3-step Hold-open Device, Trickle Flo Poppet, Anchor Bushing and Full Scuff Guard

ACCESSORIES					
Breakaways	CTM100 1" CAM TWIST Magnetic Breakaway	Scuff Guards Available		RED- 200 C	PLUE 000 0
A THE STATE OF THE	CTM100-L 1" CAM TWIST Lower-Half Breakaway	Pantone®		BLACK-BLACK C	BLUE- 286 C YELLOW- 128 C
O ST I	C100N 1" Single-Use Breakaway	Colors:	O	GREEN- 348 C	ORANGE- 144 C
Swivels	C720 1 x 1 1"M x 1"F Twister Swivel	Splash Shields Available Pantone®		GILLEN-343 C	Olonote 144 C
Swivel/ Breakaways	ISBA-100N IN-LINE SWIVEL/BREAKAWAY Compatible with 3/4" nozzles and hoses and all fuel blends up to E85 and B20	Colors:			
Spout Assemblies	Available through Catlow Customer Service				



AVRNADVANCED VAPOR RECOVERY NOZZLE





AVRN

SPECIFICATIONS AND ACCESSORIES

TECHNICAL DATA



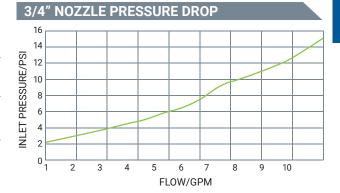
Features & Benefits

- Certified UL/ULC 2586 listed for use in unleaded fuels with up to 10% ethanol
- Attitude Device (AD) provides automatic shut-off if raised above horizontal or if it falls from the vehicle
- Trickle Flo Poppet easily regulates low-flow fuel dispensing
- Climate-ready option for extreme -40°C to 52°C (-40°F/125°F) temperatures

- Stainless steel spout tip available for improved durability
- · Fluorocarbon and Nitrile seals and O-rings
- Super Tuff hand warmer and lever guard material protect against scratches and nicks
- · Half cover available in all major oil company colors
- Mates with all Vac-assist hoses with M34 metric thread

MODELS

- AVRN-1C1 | VAC assist Auto Gas, with 3-step hold open device, stainless steel spout and attitude device, includes a full cover
- AVRN-041 | VAC assist Auto Gas, with 2-step hold open device, aluminum spout and attitude device, includes a half cover
- AVRN-141 | VAC assist Auto Gas, with 2-step hold open device, stainless steel spout and attitude device, includes a half cover





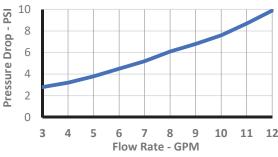


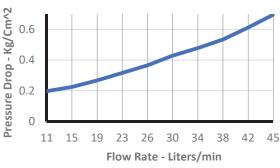
ERGO™ 75 DEF

DIESEL EXHAUST FUEL NOZZLE



Ordering Specifications		
Model #	Description	
ER75DXX02	Ergo Pressure SWensitive DEF Nozzles	





DEF Cap Badge available

The Ergo™75 DEF nozzle is part of the Ergo ™Series fueling nozzles from Catlow. Sleek. Streamlined. Comfortable. Purpose built for easy, one handed, self service operation. Engineered with specialized materials to withstand diesel exhaust fluid corrosion, offered with a 24 month warranty.

Features

- Certified to meet or exceed
- EN 13012:2012
- Automatic Shutoff feature shuts off nozzle when the tank is full
- · No pressure, No flow safety feature

Designed for Durability

- Stronger Materials to extend the life of internal moving components and resist corrosion caused by DEF fluid
- Stainless Steel spout and zinc plated vac port sensing tip
- · Industry leading 24 month warranty

Better Flow Performance

- Lowest pressure drop at 10GPM to sustain higher flow rates
- Dual Poppet for superior flow control to easily regulate low flow and accurate DEF dispensing

Easiest to Use

- Ergonomic: One-hand operation via hold open clip and, low engagement force and weight
- One-finger hold open clip for an easy true one-handed operation by any user
- ADA compliant with lower lever force required to engage nozzle

Other Features

- 2 piece DEF Blue scuff guard for easy replacement
- DEF Cap Badge available for instant product identification
- Mates with all 5/8" and 3/4" hoses (adaptor required)

Available with M34 thread

Design working pressure: 50PSI (3.45bar) maximum pressure

Construction		
Body	Specialty Coated Aluminum	
Inlet Size	M34	
Seals and O-rings	Fluorocarbon	
Lever/Handguard	Super Tuff Glass Filled Nylon	
Diesel Eshaust Fluid Spout	19mm OD	
Spout	Stainless Steel	
Weight	2.15 lbs.	

Scuff guard available in Blue - 286C:



C720 MULTI-PLANE

360-DEGREE ROTATING SWIVEL

Spin Master

Our Multi-Plane Swivel just got better, with a product life that's 3-times longer than other multi-plane swivels on the market. That means you get long-lasting performance and durability – just what you expect from Catlow.

Two 360-degree rotating swivel planes raise the level of flexibility, while the dual O-ring seals protect this heavy-duty swivel from extreme cold weather conditions. Our Multi-Plane Swivels are designed for all fuel types including ethanol and biodiesel blended fuels.



LONG-LASTING PRODUCT LIFE*



INCREASED DURABILITY*

-40F

SUPERIOR COLD WEATHER PERFORMANCE

DEGREE

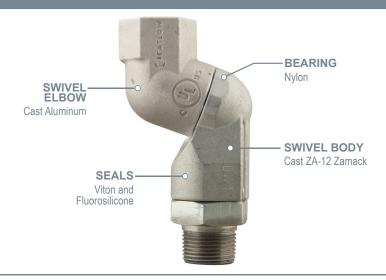
* BASED ON INTERNAL CATLOW TESTING



C720 MULTI-PLANE

SPECIFICATIONS

TECHNICAL DATA





Features & Benefits

- UL Listed for Gas, E25, E85, Diesel, and B20 fuels
- · Lightweight and maintenance-free
- Unique bearings provide smooth, easy rotation for better hose control and less hose wear
- 360-degree swivel rotation in the middle joint and male end for full-range rotation

- Fluorosilicone seals perform to -40°F
- · Both swivel joints have double O-rings for maximized sealing
- BSPP threads available upon request
- Mates with all standard and diesel hoses

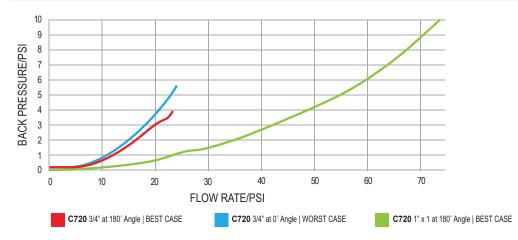
TWISTER SWIVEL MODELS | Available in NPT and BSPP thread options

 $\textbf{C720 3/4"} \hspace{0.2cm} | \hspace{0.2cm} 3/4\text{"M X } 3/4\text{"F } \hspace{0.2cm} | \hspace{0.2cm} \textit{Ethanol Blends up to E25; Biodiesel blends up to B20}$

C720 3/4"-E85 | 3/4"M X 3/4"F | Ethanol Blends up to E85

C720 1" X 1" | 1"M X 1"F

SWIVEL FLOW RATE ANALYSIS





ILS IN-LINE SWIVELS

Extend the Life of Your Hoses

Catlow's 360-degree in-line swivel eliminates kinking and twisting of the hose, making it easier for customers to manipulate the nozzle while also extending hose life. The high-tech engineering and design offer a smoother flow for higher volume systems. The ILS can be installed at either the nozzle or dispenser, and it does not affect existing hose length. It mates with all standard, diesel, and high-flow bulk fueling hoses with NPT threads and 3/4" British.



1M CYCLES

EXCEPTIONAL DURABILITY



SUPERIOR COLD WEATHER PERFORMANCE

UL

UL LISTED

12 MONTH

WARRANTY



ILS SPECIFICATIONS

TECHNICAL DATA





Features & Benefits

- · UL Listed for Gas, E25, E85, Diesel, and B20
- 360-degree nozzle rotation for easy handling and hose control
- · Minimal restriction on fuel flow
- Climate ready for extreme temperatures -40°F to 125°F (-40°C to 52°C)
- · Does not affect existing hose length
- Mates with all standard, diesel, and high-flow bulk fueling hoses with NPT and British Parallel threads
- Tested to more than 1,000,000 cycles*

STANDARD FUELS ILS MODELS

ILS-N7575 | 3/4" NPT to 3/4" NPT

ILS-N100100 | 1" NPT to 1" NPT

ETHANOL BLENDS TO E85 ILS MODELS

ILS-N7575F | 3/4"M X 3/4"F | E85

ILS-M75F | M34 x 3/4" NPT | **E85**

ILS-M75 | 3/4" NPT to 3/4" NPT | E85



^{*} BASED ON INTERNAL CATLOW TESTING

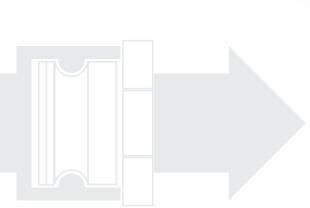
ISBA

IN-LINE SWIVEL WITH RECONNECTABLE BREAKAWAY

A Simple Two-In-One Solution

Catlow combines our in-line swivel with our advanced breakaway technology to create an all-in-one swivel breakaway. Thanks to its 360-degree rotation, the swivel allows comfortable nozzle use for customers and helps control hose movement while extending the life of the hose. Meanwhile, the breakaway separates cleanly and reliably with a 30-degree angle, preventing drive-off damage to the dispenser and making inspections easier.

The integrated design uses dual poppets that prevent fuel leakage from both the hose and nozzle sides during separation. Two weather-resistant O-ring seals add even more protection against leakage, while accommodating a wide range of fluids, fuels and temperature fluctuations. Our integrated swivel breakaway is engineered to be durable, versatile and cost-saving.





ISBA-DEF

200

HIGH PRESSURE LINE SHOCK RESISTANCE

-40F

SUPERIOR COLD WEATHER PERFORMANCE

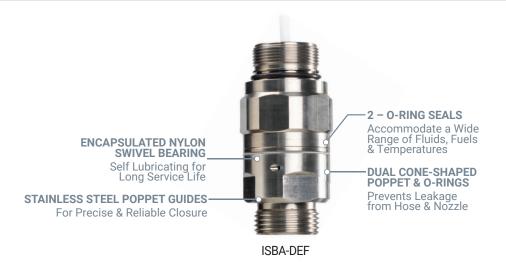
12MONTH

WARRANTY



ISBA SPECIFICATIONS

TECHNICAL DATA





Features & Benefits

- UL Listed for use in gasoline, diesel, ethanol blends up to E85 and biodiesel blends up to B20
- · Integrated breakaway saves on installation cost of separate swivel and breakaway
- Eliminates the need for a Whip Hose
- · Compatible with all gas, diesel and alternative fuel types including DEF fluid
- · 360-degree nozzle rotation for easy handling and hose control
- 30-degree separation angle
- · Mates with thread types: M34, NPT and BSPP
- · Minimal flow restriction
- · Available in most popular thread types and sizes
- Climate ready for extreme temperatures -40°C to 52°C (-40°F to 125°F)

ISBA MODELS

ISBA-100N | 1" M to 1" F NPT SWIVEL/BREAKAWAY | Compatible with Diesel (Biodiesel up to B20)

ISBA-E25 | M34 M to 3/4" F NPT INLINE SWIVEL/BREAKAWAY | Compatible with ERGO Gas (Ethanol up to E25); Diesel (Biodiesel up to B20)

ISBA-75N | 3/4"M to 3/4"F NPT INLINE SWIVEL/BREAKAWAY | Compatible with Gas (Ethanol up to E25); Diesel (Biodiesel up to B20)

ISBA-DEF | M34 Male to 1" Male BSPP DEF INLINE SWIVEL/BREAKAWAY | Compatible with Diesel Exhaust Fluid (DEF)



CAM TWIST

MAGNETIC BREAKAWAY



Easiest to Use & Longest Life

No other breakaway allows preventative maintenance inspection while installed. Made with permanent magnets, the Catlow® CAM TWIST is designed for easy inspection and consistent break force time after time.

Easily Inspected Without Removing it from Service

CAM TWIST can be taken apart with the twist of two wrenches, then easily inspected for corrosion and wear without removing from service. To reconnect, simply align the two halves and let the magnets do the work while pushing the unit back together.

350 LBS. MAX. SEPARATION FORCE

CONSISTENT FORCE REQUIRED AFTER MULTIPLE RECONNECTIONS

10 YR. SERVICE LIFE DURABLE & COST EFFECTIVE

7OPTIONS

GAS, DIESEL, E25, B85, B20, HI-FLOW & VAC ASSIST





CAM TWIST

SPECIFICATIONS

TECHNICAL DATA



Features & Benefits

- UL/ULC listed
- · Meets NFPA 30A codes
- · Patented magnetic snap-back technology
- Resists 'hydraulic hammer' problems
- · Regular maintenance is not required
- · Max separation force designed at 350 lbs.

- Industry-leading consistent separation force after multiple reconnections
- Reduced environmental impact from leaking due to the double O-ring seal
- · Minimal tools required for reattachment
- · Replacement lower half available if lost in a drive off incident

CONSISTENT SEPARATION FORCE

12-month warranty

CAM TWIST MODELS

CTM75 | 3/4" CAM TWIST Magnetic Breakaway

CTM100 | 1" CAM TWIST Magnetic Breakaway

CTMVA | VAC Assist CAM TWIST Magnetic Breakaway



INCREASING NUMBER OF SEPARATIONS

CAM TWIST REPLACEMENT PARTS

CTM75-L	3/4" CAM TWIST Lower Unit
CTM100-L	1" CAM TWIST Lower Unit
CTMVA-L	VAC Assist CAM TWIST Lower Unit

CAM TWIST REPAIR KITS

2976	CTM75 and MCSB75 O-Ring Kit		
2977	CTMVA and CTMCA O-Ring Kit		

CAM TWIST WHIPS, ADAPTERS & PARTS

4136	3/4" x 8" Whip Hose with Swivel End
4147	1" x 12" Whip Hose with Swivel End

CATLOW

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SINGLE-USE BREAKAWAY

IN-LINE BREAKAWAY

Heavy-Duty Guardian

The Catlow C86NT (3/4") and C100N (1") Single-Use Breakaways are industry leaders. Small and lightweight, these minimal flow restriction breakaways are designed to be installed between the whip hose and the primary hose. The internal dual poppets close when a drive-off occurs, trapping the fuel inside the hoses at both ends to prevent costly fuel spills and possible damage to the environment.

The C100N is a rugged, heavy-duty in-line breakaway designed for truck stops and high-volume stations that allow for high capacity fueling with little pressure drop.

350 POUNDS

MAXIMUM SEPARATION FORCE

12 MONTH

WARRANTY







SINGLE-USE BREAKAWAY

SPECIFICATIONS

TECHNICAL DATA





Features & Benefits

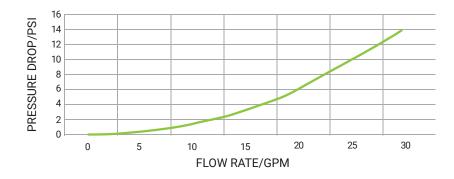
- UL/ULC listed for Diesel, Gasoline and ethanol blends up to 10%
- Meets NFPA 30A Codes
- Maximum separation force is designed at 350 lbs.
- C86NT mates with all 34" and 5/8" hoses
- C100N mates with all 1" hoses

- Durable protective cover minimizes damage to vehicles and the breakaway during a drive-off
- · Seals both ends of the breakaway after separation
- •12 month warranty

SINGLE-USE MODELS

C86NT | 3/4" SINGLE-USE IN-LINE BREAKAWAY **C100N** | 1" SINGLE-USE IN-LINE BREAKAWAY

C100N FLOW RATE ANALYSIS





HANGING HARDWARE ASSEMBLIES

DELIVERING SUPERIOR VALUE

Save time and effort with Catlow factory pre-assembled hanging hardware assemblies. We offer customized bundling options with dispensers, so there's no need to source from multiple providers. Already continuity- and pressure-tested to prevent leaks, Catlow assemblies are reliable and hassle-free.



HANGING HARDWARE ASSEMBLIES

SPECIFICATIONS

TECHNICAL DATA

SEE AVAILABLE OPTIONS BELOW





Features & Benefits

- · Save time and labor on assembly
- · Save money on shipping, logistics and inventory management by sourcing with one provider
- · More than 5% savings with reduced failure rate
- Customized bundling with dispenser available to ensure compatibility and easy startup installation
- Continuity and pressure decay tested
- · Prevent accidents due to installation errors
- Full product line available

NOZZLE OPTIONS

ERGO 75 | DESIGNED FOR COMFORT. ENGINEERED FOR PERFORMANCE. | Gas, Alternative Fuels, Diesel & DEF

ELITE S | PREMIUM CONVENTIONAL LINE OF PRESSURE SENSITIVE NOZZLE | Gas, Alternative Fuels & Diesel

MAX1 | HI-FLOW AUTOMATIC SHUT-OFF DIESEL NOZZLE | Diesel

AVRN | ASSIST VAPOR RECOVERY NOZZLE | Gas, Alternative Fuels & Diesel

HOSE OPTIONS

PRIMARY | AVAILABLE IN MULTIPLE LENGTHS, STYLES & COLORS

WHIP HOSES | AVAILABLE WITH OR WITHOUT SWIVEL END

SWIVEL OPTIONS

C720 | 3/4"M x 3/4"F Twister Swivel | 1"M X1"F

BREAKAWAY OPTIONS

CTM75 | 3/4" CAM TWIST Magnetic Breakaway

CTM100 | 1" CAM TWIST Magnetic Breakaway

CTMVA | Vapor Recovery

Catlow products are supported by world-class customer service and 40 years of industry experience, making Catlow the best choice for your hanging hardware assembly needs.



Catlow Hanging Hardware

Industry-Leading Innovation Meets World-Class Engineering

A full line of high-performance dispensing products for retail, farm, and commercial use.

www.catlow.com

