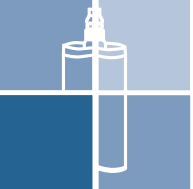




CARTRIDGE SYSTEMS



Cartridge Systems

TAH's Cartridge Systems include cartridges, disposable static mixers, and dispensers unless otherwise noted. Cartridges and dispensers are listed in detail in this section, and mixers and accessories are detailed in the Mixer & Accessories Section in this catalog. Cartridge System benefits include:

- ▶ Reduced mess, increased accuracy, and less waste
- ▶ Reduced exposure to hazardous resins
- ▶ Guaranteed accuracy of mixing
- ▶ Low-cost dispensing tools
- ▶ Available with open end or closed end outlets
- ▶ Molded in a variety of easy-to-distinguish colors

COMPONENTS

Cartridges

TAH offers three cartridge styles:

- ▶ Side x Side (side-by-side)
- ▶ Universal
- ▶ Coaxial (not available in U.S.)

We provide a range of high-quality, two-component Side x Side Cartridge Systems with disposable static mixers and dispensers. Also, we offer a Universal Cartridge System that is designed to fit a standard caulking gun. Both are highlighted in this catalog. For more information on Coaxial Cartridge Systems, contact TAH Europe's Technical Service or Sales Department.

Open End Outlet

- ▶ Traditional nose plugs and retaining nuts—provided pre-assembled
- ▶ Many can be molded in polypropylene (PP); nylon; or, for our Universal Cartridges, HDPE. See specific cartridge descriptions or contact our Tech Services or Sales Dept for material options.

Closed End Outlet

- ▶ Incorporates a patented "Snap-off" closure—molded in one operation in either PP or nylon
- ▶ Cost-effective alternative to open cartridges

Cartridge System Quick Reference

CARTRIDGE SYSTEMS			
SYSTEM	AVAILABLE RATIOS	AVAILABLE OPTIONS	SUITABLE MIXERS
9mL Micro Dispensing	1:1	White or Black	Series 190
50mL Bayonet Cartridge	1:1, 2:1, 4:1, 10:1	Open End or Closed "Snap-Off" End	Series 190, Series 295
50mL Twist Lok™ Cartridge	1:1	Twist Lok Style Mixer Connection	Series CM
200mL Cartridge	1:1, 2:1	Open End or Closed "Snap-Off" End	Series 180A, Series 260, Series 160
400mL Cartridge	1:1	Open End or Closed "Snap-Off" End	Series 180A, Series 260, Series 160
600mL Cartridge	1:1	Closed "Snap-Off" End	Series 180A, Series 260, Series 160
Universal Cartridge	1:1 (250mL), 2:1 (180mL), 10:1 (280mL)	Open End	Series 180A, Series 260, Series 160

Open End Outlet



Closed End Outlet



Cartridge Color Options

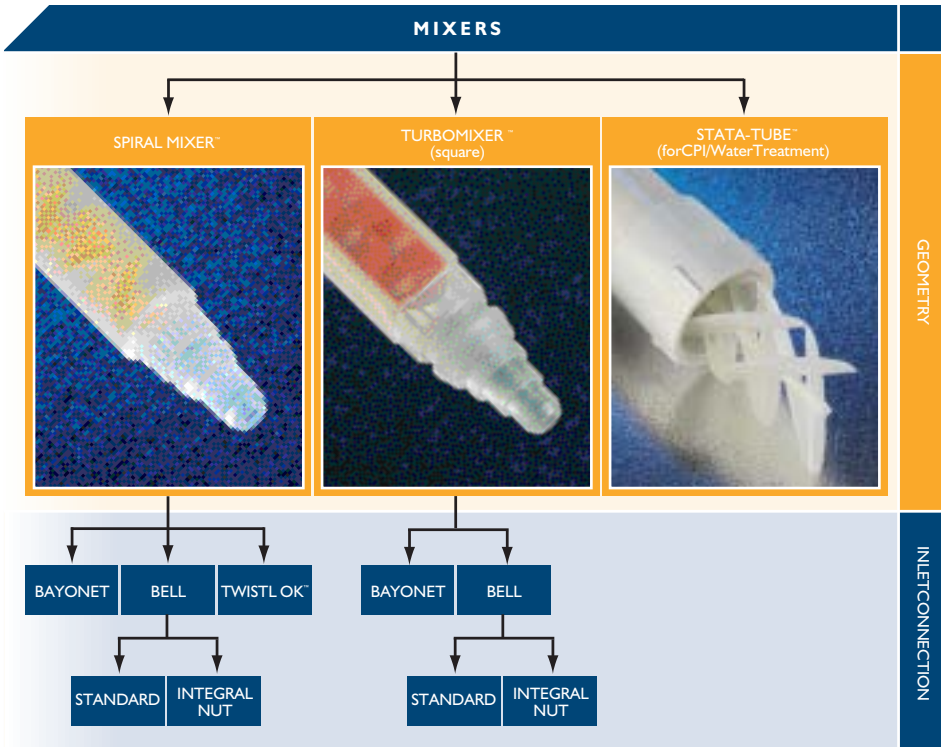


For the latest products from TAH, visit www.tah.com/cartridges



Mixers

TAH offers a variety of mixers for cartridge applications. See our Mixers & Accessories and CPI/Water Testing sections for more information on our mixers. Here is a brief overview:



Geometries:

- ▶ Spiral
- ▶ Turbo (square)
- ▶ Stata-tube™

Inlet Connections

- ▶ Bayonet
- ▶ Bell—Standard and Integral Nut (threaded)
- ▶ Twist Lok™

Turbo (square) mixers are designed for 50mL or larger side x side, coaxial, and Universal cartridges. For spiral mixers, Bayonet inlets are designed for 9, 14, and 50mL cartridges; Twist Lok™ inlets are for 50 mL Twist Lok™ cartridges; and Bell inlets—both standard and integral nut—are designed for larger side x side, coaxial, or Universal cartridges. The standard bell is generally used with the open end cartridges while the integral nut mixer is used with the closed end cartridges.

Our disposable mixers are manufactured of a strong solvent-resistant plastic. A complete line of jackets, manifolds, and outlet adapters are available to handle different dispensing requirements.

Pistons

TAH offers two styles of pistons for use with our Cartridge Systems—Solid Multi-Seal Pistons and Multi-Seal Pistons with an Integral Bleed Plug. Pistons are inserted after cartridges are back-filled with adhesive. This process can trap air which can cause off-ratio surging into the static mixer as well as objectionable “after drool.”

Multi-Seal Bleed Piston



When using our Solid Multi-Seal Piston, a shim is required to allow entrapped air to bleed past the pistons during insertion. Alternatively, our Multi-Seal Piston with Integral Bleed Plug is a revolutionary piston style which bleeds air from the cartridge during piston insertion without the need of a shim, making the process easier and more efficient. Please note that all TAH pistons are available in nylon or polypropylene (PP) and can be made with silicone or EPDM O-rings upon request. For more information, contact our Technical Service or Sales Department.

Piston Insertion Equipment

This labor-saving equipment installs TAH's pistons into the cartridge in one simple operation. TAH offers manual insertion equipment for low volume runs and more automated pneumatic equipment for higher volume runs (consult our Technical Service or Sales Department for details).

Dispensers

TAH offers dispensers as a part of each of our Cartridge Systems. Details for each dispenser are included with the system description in this section. Some systems have a choice of dispensers—including your choice of manual dispenser or low-cost caulking gun conversion kit for 50mL cartridge systems, and choice of manual or pneumatic dispensers for our large cartridge systems.

For the latest products from TAH, visit www.tah.com/cartridges



APPLICATIONS

The following is a brief list of some applications of TAH products:

- ▶ **Industrial:** Structural bonding, potting, insulating, and sealing
- ▶ **Automotive:** Plastic repair, seam and joint sealing, bonding of door skins, body panels, glass repair, and windshield replacement
- ▶ **Construction:** Chemical anchors into concrete, brick, stone, and wood; crack repair; and joint sealing
- ▶ **Dental:** Dental impressions, dental composite bonding, and auditory applications

Materials

TAH Cartridge Systems are used with the following two-component materials:

- ▶ Epoxies
- ▶ Urethanes
- ▶ Methacrylates
- ▶ Silicones
- ▶ Polyesters
- ▶ Polyvinyl Siloxanes
- ▶ Temporary Cements

Custom Cartridge Systems

TAH's expertise in product design and prototyping provides manufacturers with distinctive products. The following is an example of a custom-made proprietary system TAH has designed in partnership with our customer to fit their specific need. We welcome your inquiry; please contact our Technical Service or Sales Department for more information on developing a custom Cartridge System for your company.

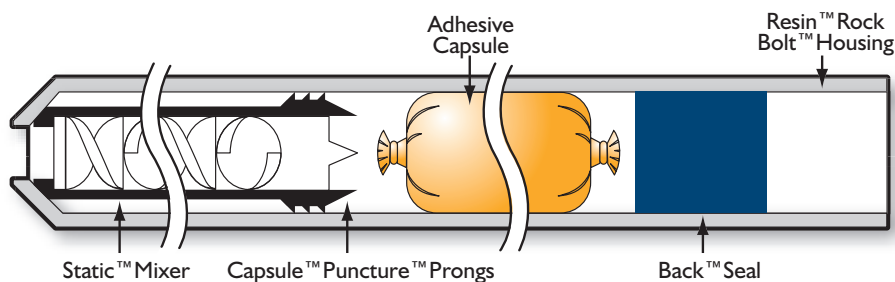
Resin Rock Bolting Cartridge System



Exchem Mining and Construction and Celtite Australia partnered with TAH to develop a unique rock bolting system which features "pumped" resin (see diagram below). The two-component polyester resin is supplied inside a barrier capsule (sausage). The static mixer assembly and resin capsule are placed inside a hollow rock bolt. A hydraulic driller is used to drill the hole, insert the rock bolt and then hydraulically pressurize the resin capsule, until it breaks on a special puncture device attached to the mixer.



As the capsule collapses, its contents are pushed into the mixer assembly where the resin and catalyst are thoroughly mixed by the static mixing elements. Fully mixed adhesive then exits the rock bolt and flows through the annular void between the exterior of the bolt and drilled hole. Depending on the strata, slow and fast set adhesive systems can be supplied.



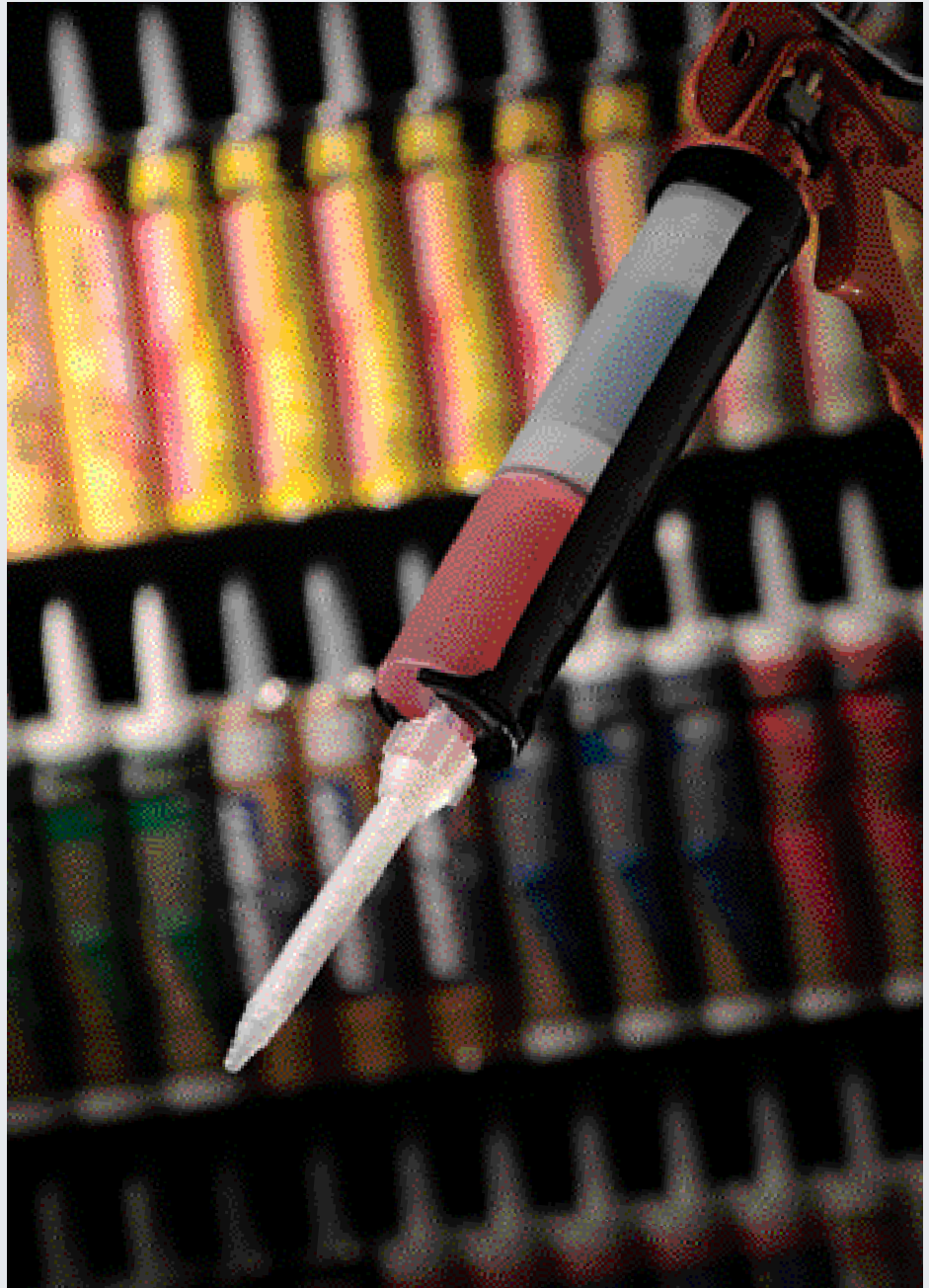


The 250mL Two-Component Cartridge that fits in a Standard Caulking Gun

TAH's Universal Cartridge System is a breakthrough in two-component cartridge design. The Universal is the only cartridge system that maintains accurate ratio control and fits into your existing 1/10th gallon or 310mL standard caulking gun. This system also fits into pneumatic (rod-driven) and battery-powered caulking tools that are becoming more popular in many industries.

The Universal Cartridge looks identical to standard caulking cartridges—you might not realize it is two-component until you begin to dispense your product. The cartridge body is molded of a rigid plastic that won't burst even in the most demanding application. The interior components are fully assembled at

the factory, and each cartridge is air tested. This 100% factory inspected process guarantees that, after filling, the cartridge will maintain a superior shelf life and provide trouble-free applications in the field.



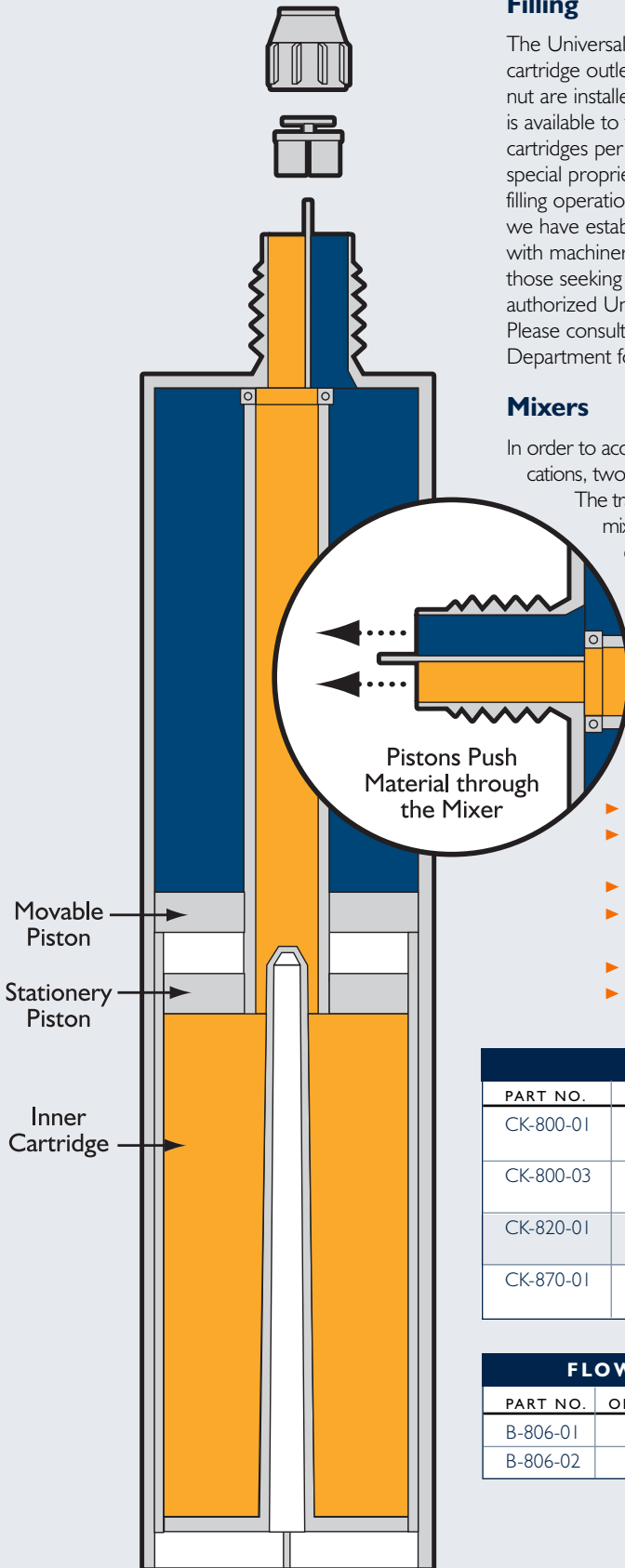
Free Samples

The ease and convenience of the Universal system can only be appreciated with your own adhesive formula. If you are a qualified adhesive supplier, TAH will fill two Universal Cartridges with your product, free of charge. Please consult our Sales Department for more information.

Technology

Our patented Universal Cartridge stores one component in front of the other but both are extruded through the cartridge outlet and into

a static mixer simultaneously. As shown in the diagram, the rear piston is stationary. As the inner can is pushed forward, the orange fluid is extruded into the center tube, through the cartridge outlet, and into the mixer. Simultaneously, the movable piston causes the blue fluid to be extruded through the cartridge outlet and into the mixer. The cartridge in the diagram shows a 1:1 ratio, although 2:1 and 10:1 ratio cartridges are also available. With the 2:1 cartridge, the stationary piston and inner can have a smaller diameter and cross section area.



Filling

The Universal Cartridge is filled through the cartridge outlet, and then the outlet plug and nut are installed. Production filling equipment is available to fill quantities from 5 to 15 cartridges per minute. TAH has developed special proprietary techniques to perform the filling operation quickly and inexpensively, and we have established engineering protocols with machinery suppliers worldwide. For those seeking outside filling we can provide authorized Universal Cartridge packagers. Please consult our Tech. Service or Sales Department for more information.

Mixers

In order to accommodate different mixing applications, two geometries of mixers are offered. The traditional Series 160/260 Spiral Bell mixers are available in either standard bell or integral nut. In addition we are offering the Series 180A Turbo Mixer™. The Turbo offers reduced length and a reduced retained volume. (See the Mixers Section on pages 3-13 and 3-15 for more information.)

Options

- ▶ Series 160 Spiral Bell Mixers
- ▶ Series 160 Spiral Integral Nut Mixers
- ▶ Series 180A Turbo Bell Mixers
- ▶ Series 180A Turbo Integral Nut Mixers
- ▶ Series 260 Spiral Bell Mixers
- ▶ Series 260 Spiral Integral Nut Mixers

Low Viscosity Fluids



Special versions of these cartridges are available to handle very low viscosity fluids. TAH also recommends

Easy Installation:

Remove Plug



Insert Restrictor



Attach Mixer



the use of our Flow Restrictor when dispensing Universal Cartridges filled with low-viscosity fluid. These thin adhesives are often too flowing and can cause cross-contamination, lead/lag problems, and plugging.

Our low-cost, plastic Flow Restrictor eliminates these problems by slowing the thinner component's flow. TAH recommends using the smallest orifice possible. For example, with fluids less than 100 cps, we recommend the 0.062 inch orifice (Part. No. B-806-01).

UNIVERSAL CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	VOLUME RATIO	MATERIAL
CK-800-01	250mL Universal Cartridge Kit w/Retaining Nut & Nose Plug, Vented	1:1	Polypropylene (PP)
CK-800-03	250mL Universal Cartridge Kit w/Retaining Nut & Nose Plug, Vented	1:1	Nylon
CK-820-01	180mL Universal Cartridge Kit w/Retaining Nut & Nose Plug, Vented	2:1	Polypropylene (PP), Nylon
CK-870-01	280mL Universal Cartridge Kit w/Retaining Nut & Nose Plug, Vented	10:1	HDPE

FLOW RESTRICTOR

PART NO.	ORIFICE (IN / MM)	COLOR
B-806-01	0.062 / 1.5	Translucent
B-806-02	0.092 / 2.4	Black

For the latest on our
Universal Cartridge, visit
www.tah.com/universal





50mL DENTAL CARTRIDGE SYSTEM

Cartridges

TAH offers a Cartridge System line specifically designed for mixing and dispensing dental impression material in 9mL and 50mL capacities. The 9mL cartridge option has a 1:1 mix ratio and the 50mL bayonet cartridge option has 1:1, 2:1, 4:1 and 10:1 mix ratios.

Pistons

Generally, the cartridges are back-filled with adhesive, and then the pistons are inserted. Trapped air from this process can cause off-ratio surging into the static mixer as well as objectionable “after drool” from the end of the mixer. To fill the 9mL and 50mL cartridges, a shim is required to allow entrapped air to bleed past the pistons during insertion. TAH offers a piston with either a silicone or EPDM O-ring. For our 50mL cartridges, we offer an integral bleed piston. This revolutionary piston style bleeds the air from the cartridge easily and efficiently.

Mixers

The Series 190 Dental Mixers are combined with either our 9mL Micro-Dispensing Cartridge System or our 50mL Bayonet Cartridge System and feature standard bayonet connections. (See the Mixers Section on page 3-9 for more info.)

Options

- ▶ Series 190 Spiral Mixers
- ▶ Series 190 Dental Mixers (50mL only)

Accessories (see the Mixer & Accessories Section for more information on these items)

- ▶ Cap and Plug
- ▶ Series 190 Dental Mixer Intra-Oral Tip
- ▶ Dispenser
- ▶ Lip Seal and O-Ring

INTRA-ORAL TIP



Dispenser

For 9mL cartridges, use the Micro-Dispensing System. For 50mL cartridges, use the TAH 50mL manual dispenser. (For more information, see the opposite page for the 9mL and page 1-8 for 50mL Bayonet Cartridge System.)

For the latest products from TAH, visit www.tah.com/cartridge



SIDE X SIDE

9mL MICRO DISPENSING CARTRIDGE SYSTEM

Cartridges

The 9mL Micro Dispenser Cartridge System is designed for those special jobs requiring a tiny amount of material and precise material placement. There is no better way to meter mix and dispense your temporary and permanent cements, resins, and sealers. This system is ideal for many applications including medical, electronic, and DIY markets.

The open 9mL cartridge is available with two retaining cap options: plug and gasket. The retainer with plug reduces cross contamination during filling and storage and features a molded polyethylene (PE) plug with two ears. Each ear extends down into the cartridge creating a seal. This durable plug is inert to most adhesives such as acrylics, silicones, epoxies, and urethanes.

- ▶ **Ratio Available:** 1:1, 4.5mL capacity on each side
- ▶ **Ease-of-Use:** No more measuring materials in separate syringes, tubes or jars
- ▶ **Superior Plug Closure:** Eliminates cross contamination
- ▶ **Outlet Option:** Industry standard bayonet mount
- ▶ **Mixers Available:** Micro-mixers leave minimal waste, less than 0.10mL
- ▶ **Plunger Style:** Designed for easy dispensing



Pistons

A shim is required to fill the cartridge which allows trapped air to bleed past the pistons. Or, you

may also pre-insert the pistons all the way into the barrels and fill through the nose to prevent air entrapment. With either manner, the trapped air between the adhesive and piston will be vented properly. TAH offers pistons with silicone or EPDM O-rings. Consult our Technical Service or Sales Department for the availability of pistons with a bleed plug for this cartridge.



Mixers

TAH molds some of the smallest mixers in the world. These micro-mixers are used with the 9mL cartridge and are part of a complete line of our Series 190 bayonet mixers including

190-312H, 190-324H, 190-408H, 190-408BT. (See the Mixers Section on page 3-10 for more information and list of accessories.)



9mL MICRO DISPENSING CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	COLOR
BS-302-01	Cartridge Body w/White Retainer (PP) & Plug (PE)	Black
BS-302-02	Cartridge Body w/White Retainer (PP) & Plug (PE)	White
B-113-01	Cartridge Body (PP)	Black
B-113-02	Cartridge Body (PP)	White
B-604-01	Plunger (PP)	Black
B-604-02	Plunger (PP)	White
B-315-02	Piston (PP) with Silicone O-Ring	White
B-315-03	Piston (PP) with EPDM O-Ring	White
B-415-01	Retainer (PP) with Plug (PE)*	White
B-416-03	Retainer (PP) with Silicone Gasket	White

* This component is included and installed with system part numbers BS-302-01 and BS-302-02

50mL Bayonet Cartridge System

Our 50mL Bayonet Cartridge System is available in 1:1, 2:1, 4:1, and 10:1 ratios. Each of these is available in our open end cartridge with a plug closure. Our popular 1:1 and 2:1 ratios are also offered with a hermetically-sealed closed end option.

- ▶ **Ratios Available:** 1:1, 2:1, 4:1, 10:1
- ▶ **Materials of Construction:** Polypropylene and nylon
- ▶ **Superior Plug Closure:** Preassembled for efficiency
- ▶ **Closed Option Available:** Hermetically sealed
- ▶ **Two Styles of Dispensers:** Manual dispenser and caulking gun conversion kit
- ▶ **Large Mixer Selection**



Traditional end caps have foam gaskets which allow cross contamination during filling or storage, causing the cartridge outlet to harden. But TAH's 50mL cartridges feature molded-closed outlets with a protective cap (hermetic seal) and open end polyethylene (PE) plug with two ears. Each ear extends into the cartridge creating a reliable seal. The durable plug is inert to most adhesives such as epoxies, urethanes, acrylics, or silicones. This feature reduces packaging costs and ensures a longer shelf life for your adhesives.



**CLOSED END
OUTLET**

Pistons

TAH's most popular piston is our Solid O-ring. We also offer two additional styles of pistons for 1:1 ratios: Solid Multi-Seal and Multi-Seal with Bleed Plug. The bleed plug prevents trapped air when inserting the piston without using a shim.

Mixers

In order to accommodate different mixing applications, two geometries of mixers are offered—Spiral and Turbo. The Series 190 Spiral Mixer™ features a standard bayonet connection. Typical applications include mixing epoxies, urethanes, acrylics, and silicones. The Series 295 Turbo Mixer™ offers reduced length and reduced retained volume. (See the Mixers Section pages 3-10 and 3-11.)

Options

- ▶ Series 190 Spiral
- ▶ Series 190 Dental Mixers
- ▶ Series 295 Turbo Bayonet

Dispensers

50mL Cartridge System Manual Dispenser

Our manual dispenser features a versatile, compact, durable, and well-balanced design providing trouble-free point-of-use dispensing and is made to fit TAH and competitor cartridge systems. Custom colors and distinctive labeling are available upon request. Consider these advantages:

- ▶ **Better Ergonomics:** Lighter and more compact
- ▶ **Lower Cost and Better Delivery**
- ▶ **More Versatile:** Accepts all ratios/cartridge sizes
- ▶ **Trouble-Free:** Engineered to eliminate cartridge cracking



50ML MANUAL DISPENSER



CAULKING GUN KIT

Caulking Gun Conversion Kit

TAH's improved Caulking Gun Conversion Kit now accepts all multi-ratio 50mL cartridge systems (1:1, 2:1, 4:1, and 10:1) including competitor 50mL bayonet cartridges. A different plunger is required for each ratio. Consider these advantages:

- ▶ **Versatile:** Can be used with 1/10 gallon American and 310mL European caulking guns
- ▶ **Practical:** Great for DIY/home repair, field installations, occasional industrial uses, and sampling your adhesive products

Quality Management Team

We continue to improve our procedures to provide you with the highest quality products and service.



50mL BAYONET CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	VOLUMETRIC RATIO	MATERIAL
BS-101-01	Open Body Cart. w/Retainer & Plug	1:1	PP
B-101-21	Closed Cartridge Body	1:1	PP
B-301-05	EPDM O-Ring Piston (Short)	1:1	PP
B-302-11	EPDM O-Ring Piston (Tall)	1:1	PP
B-204-01	Single Lip Multi-Seal Piston	1:1	PP
B-304-11	Spiral Bleed Single Lip Multi-Seal Piston	1:1	PP
BS-101-06	Open Body Cart. w/Retainer & Plug	1:1	Nylon
B-101-22	Closed Cartridge Body	1:1	Nylon
B-302-21	EPDM O-Ring Piston (Tall)	1:1	Nylon
B-204-02	Lip Seal Piston	1:1	Nylon
B-304-12	Spiral Bleed Single Lip Multi-Seal Piston	1:1	Nylon
BS-102-01	Open Body Cart. w/Retainer & Plug	2:1	PP
B-102-21	Closed Cartridge Body	2:1	PP
B-306-01	EPDM O-Ring (Large)	2:1	PP
B-310-01	EPDM O-Ring (Small)	2:1	PP
BS-102-06	Open Body Cart. w/Retainer & Plug	2:1	Nylon
B-102-22	Closed Cartridge Body	2:1	Nylon
B-306-21	EPDM O-Ring (Large)	2:1	Nylon
B-310-21	EPDM O-Ring (Small)	2:1	Nylon
BS-104-01	Open Body Cart. w/Retainer & Plug	4:1	PP
B-306-01	EPDM O-Ring (Large)	4:1	PP
B-312-01	EPDM O-Ring (Small)	4:1	PP
BS-104-06	Open Body Cart. w/Retainer & Plug	4:1	Nylon
B-306-21	EPDM O-Ring (Large)	4:1	Nylon
B-312-21	EPDM O-Ring (Small)	4:1	Nylon
BS-110-01	Open Body Cart. w/Retainer & Plug	10:1	PP
B-306-01	EPDM O-Ring Piston (Large)	10:1	PP
B-314-01	EPDM O-Ring Piston (Small)	10:1	PP
BS-110-06	Open Body Cart. w/Retainer & Plug	10:1	Nylon
B-306-21	EPDM O-Ring Piston (Large)	10:1	Nylon
B-314-21	EPDM O-Ring Piston (Small)	10:1	Nylon

50mL TWIST LOK™ CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	RATIO	MATERIAL
BK-201-01	Cartridge w/EPDM O-Ring & Cap	1:1	PP
BK-201-03	Cartridge w/Lip Seal Pistons & Cap	1:1	PP
B-111-01	Cartridge Body	1:1	PP
B-302-11	Piston	1:1	PE
B-409-01	Cap Assembly	-	-

50mL MANUAL DISPENSER

PART NO.	DESCRIPTION
DK-104	Dispenser & 1:1 Plunger
DK-105	Dispenser & 2:1 Plunger
DK-106	Dispenser & 4:1 Plunger
DK-107	Dispenser & 10:1 Plunger
DK-101-01	Dispenser
D-102	1:1 Plunger
D-103	2:1 Plunger
D-104	4:1 Plunger
D-105	10:1 Plunger

CAULKING GUN KIT

PART NO.	DESCRIPTION
DK-117	Sleeve & 1:1 Plunger
DK-118	Sleeve & 2:1 Plunger
DK-119	Sleeve & 4:1 Plunger
DK-120	Sleeve & 10:1 Plunger
D-106	Sleeve
D-107	1:1 Plunger
D-108	2:1 Plunger
D-109	4:1 Plunger
D-110	10:1 Plunger

50mL Twist Lok™
Cartridge System

The unique design of our Twist Lok™ Cartridge System fits in both manual and pneumatic dispensers. Currently, this cartridge is offered in a 1:1 ratio, but future expansion is open to 2:1, 4:1 and 10:1 ratios. This reliable cartridge system offers the following exclusive features:

- ▶ **Stronger Mixer Connection:** Rugged 4-pin Twist Lok™ design is less prone to leaking
- ▶ **Reduces Cross Contamination:** Divider molded between the A and B outlet ports fits securely into a non-rotating cap which substantially reduces the chance of cross contamination
- ▶ **Greater Flow:** The larger outlet ports create less resistance and more flow

Mixers

We offer two sizes and three different styles for our Twist Lok™ Mixers (Series CM). The 3/16" diameter mixer is available with our Slip Luer or Luer Lok outlet. The 1/4" diameter mixer is molded without Slip Luer, Luer Lok, or Blunt outlet. (See the Mixers Section on page 3-11 for more information and list of accessories.)

Dispensers

- ▶ 50mL Cartridge System Manual Dispenser
- ▶ Caulking Gun Conversion Kit

Did You Know?

We've designed our cartridges so that you can apply foil seal for an extra barrier of protection for moisture sensitive materials.



SIDE X SIDE

LARGE CARTRIDGE SYSTEMS

Cartridges

TAH offers Large Cartridge Systems in 200, 400 and 600mL sizes. The size relates to the total volume capacity of both sides of the cartridges—for instance, the 200mL holds 100mL in each side. These systems feature:

- ▶ High quality, sturdy one-piece design
- ▶ Fits industry standard dispensers
- ▶ Available from stock
- ▶ Available with open or closed outlet

Pistons

TAH offers two styles of pistons—Solid Multi-Seal Piston and a Multi-Seal Piston with an Integral Bleed Plug. Pistons are inserted after cartridges are back-filled with adhesive. This process can trap air which can cause off-ratio surging into the static mixer as well as objectionable “after drool.” When using our Solid Multi-Seal Piston, a shim is required to allow entrapped air to bleed past the pistons during insertion. Alternatively, our Multi-Seal Piston with Integral Bleed Plug is a revolutionary piston style which bleeds air from the cartridge during piston insertion without the need of a shim, thus making the process easier and more efficient. Please note that all TAH pistons are available in nylon or polypropylene (PP) and can be made with silicone or EPDM O-Rings upon request.

Piston Insertion Equipment

This labor-saving equipment installs TAH’s pistons into the cartridge in one simple operation. Consult our Technical Service or Sales Department for details.

Mixers

In order to accommodate different mixing applications, two geometries of mixers are offered—Spiral and Turbo. The traditional Series 260 Spiral Bell Mixers are available in either standard bell or integral nut. The standard bell is generally used with the open end cartridges, while the integral nut mixer is used with closed end cartridges. In addition we are offering the Series 180A Turbo Mixer™. The Turbo Mixer offers reduced length and reduced retained volume. (See the Mixers Section for more information on these mixers and list of accessories.)

Options

- ▶ Series 260 Spiral Bell Mixers
- ▶ Series 260 Spiral Integral Nut Mixers
- ▶ Series 180A Turbo Bell Mixers
- ▶ Series 180A Turbo Integral Nut Mixers

Dispensers

TAH offers both manual and pneumatic dispensers. The more economical manual dispenser is generally preferred for occasional applications. The pneumatic dispenser is recommended for frequent uses that require superior control of the bead profile. TAH also offers other dispensers. Contact our Technical Service or Sales Department for availability.



200mL CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	RATIO	VOLUME	MATERIAL
CK200SS-01	Open Cartridge w/Installed Nose Plug & 3/8" Nut	1:1	215mL	PP
CK200SS-02	Open Cartridge w/Installed Nose Plug & 1/2" Nut	1:1	215mL	PP
C201SS-01	Closed Cartridge w/Protective Cap	1:1	215mL	PP
B-321-31*	Multi-Seal Piston w/Bleed Plug	1:1	–	PP
B-222-21*	Multi-Seal Piston	1:1	–	PP
P210EP-02	EPDM O-Ring Piston	1:1	–	PP
C201SS-02	Closed Cartridge w/Protective Cap	1:1	215mL	Nylon
B-321-32*	Multi-Seal Piston w/Bleed Plug	1:1	–	Nylon
B-222-22*	Multi-Seal Piston	1:1	–	Nylon
C221SS-01	Closed Cartridge w/Cap	2:1	222mL	PP
B-323-31*	Multi-Seal Piston w/Bleed Plug (Small)	2:1	–	PP
B-325-31*	Multi-Seal Piston w/Bleed Plug (Large)	2:1	–	PP
B-226-21*	Multi-Seal Piston (Small)	2:1	–	PP
B-227-21*	Multi-Seal Piston (Large)	2:1	–	PP

400mL CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	RATIO	VOLUME	MATERIAL
CK400SS-01	Open Cartridge w/Installed Nose Plug & 3/8" Nut	1:1	406mL	PP
CK400SS-02	Open Cartridge w/Installed Nose Plug & 1/2" Nut	1:1	406mL	PP
C401SS-01	Closed Cartridge w/Protective Cap	1:1	406mL	PP
B-341-31*	Multi-Seal Piston w/Bleed Plug	1:1	–	PP
B-242-21*	Multi-Seal Piston	1:1	–	PP
P410EP-02	EPDM O-Ring Piston	1:1	–	PP
C401SS-02	Closed Cartridge w/Protective Cap	1:1	406mL	Nylon
B-341-32*	Multi-Seal Piston w/Bleed Plug	1:1	Nylon	
B-242-22*	Multi-Seal Piston	1:1	–	Nylon

600mL CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	RATIO	VOLUME	MATERIAL
C601SS-01	Closed Cartridge w/Protective Cap	1:1	630mL	PP
B-361-31*	Multi-Seal Piston w/Bleed Plug	1:1	–	PP
B-262-21*	Multi-Seal Piston	1:1	–	PP

* Multi-Seal Pistons available with O-Rings. Please consult our Technical Service or Sales Dept.

LARGE CARTRIDGE MANUAL DISPENSER

PART NO.	DESCRIPTION	RATIO	WEIGHT (LB / KG)
DK-320-01	200mL	1:1	1.8 / 0.8
DK-322-01	200mL	1:1 & 2:1	3.1 / 1.4
DK-340-01	400mL	1:1	2.9 / 1.3
DK-360-01	600mL	1:1	4.3 / 1.9

LARGE CARTRIDGE PNEUMATIC DISPENSER

PART NO.	DESCRIPTION	RATIO	WEIGHT (LB / KG)
DK-420-01	200mL	1:1 & 2:1	3.3 / 1.5
DK-440-01	400mL	1:1	4.2 / 1.9
DK-460-01	600mL	1:1	5.8 / 2.6

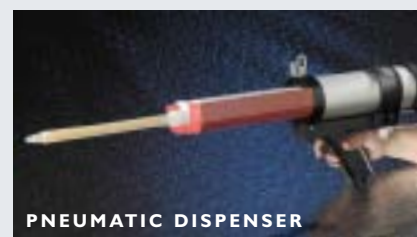
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HIGH-PERFORMANCE (METAL)
MANUAL DISPENSER



ECONOMICAL (PLASTIC)
MANUAL DISPENSER



PNEUMATIC DISPENSER

Manual Dispenser

Operators will appreciate the better balance and lighter weight of our manual dispenser. The drive mechanism uses double gearing, ensuring superior performance with minimum hand force. The front cradle provides a convenient location for two-handed operations. Consider these advantages:

- ▶ **Light Weight and Well Balanced:**
Easy to position and hold steady
- ▶ **Double Gearing:** Less operator fatigue
- ▶ **Minimum "After Drool":** Quick-acting brake release
- ▶ **Body Option:** Plastic or Metal
- ▶ **Easy Conversion:** 1:1 to 2:1 cartridges

Pneumatic Dispenser

The Pneumatic Dispenser greatly reduces operator fatigue when dispensing large volumes and/or high viscosity materials. When used in conjunction with our ProTip™ accessories (see page 3-18 for more info.), uniform flat beads or special profiles can be easily extruded. Consider these advantages:

- ▶ **Ergonomic Handle**
- ▶ **Minimum "After Drool":** High volume air release
- ▶ **Indicator Rod:** Indicates volume left in cartridge
- ▶ **Convenient Flow Rate Control:**
Thumb adjustment of air pressure

