



u-TAH™ Universal Cartridge System

Description



Our u-TAH™ Universal Cartridge System is a breakthrough in two-component cartridge design.

The u-TAH looks identical to standard caulking cartridges—in fact, you might not realize it is two-component until you begin to dispense your product. It is the only cartridge system that maintains accurate ratio control and fits into your existing 1/10th gallon or 310mL caulking gun. This system also fits into pneumatic (rod-driven) and battery-powered caulking tools.

Quality Tested for Robustness

The cartridge body is molded of a rigid plastic that won't burst during most

demanding applications. The interior components are fully assembled 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.

Options

- ▶ 1:1 Ratio, 250mL volume
- ▶ 2:1 Ratio, 180mL volume
- ▶ 10:1 Ratio, 280mL volume

Filling



TAH has established a worldwide network of Preferred/Focus Fillers in order to provide you with TAH-approved filling at a competitive price. To find a filler near you, log on to our website or call our Sales Dept. For those who will be filling in-house, TAH has developed special proprietary equipment and techniques to perform the filling operation quickly and inexpensively. With either option, TAH has authored all engineering protocols and QC instructions to provide support to the success of

your program. Call our Technical Service or Sales Dept. for more info.

Free Samples

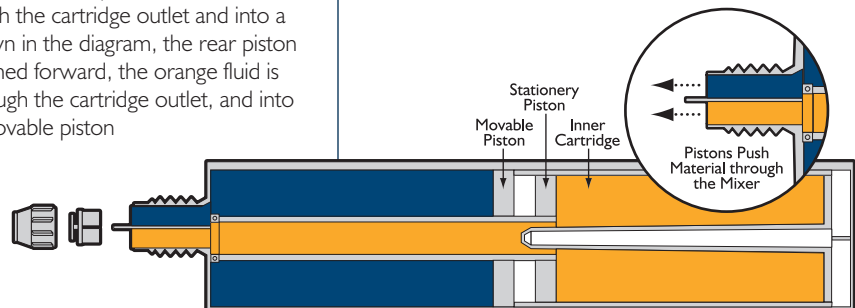
The ease and convenience of the u-TAH cartridge system can only be appreciated with your own adhesive formula. If you are a qualified adhesive supplier, TAH or one of our Preferred Fillers will fill two u-TAH Cartridges with your product free of charge. Call our Technical Service or Sales Dept. to find out more.

Technology



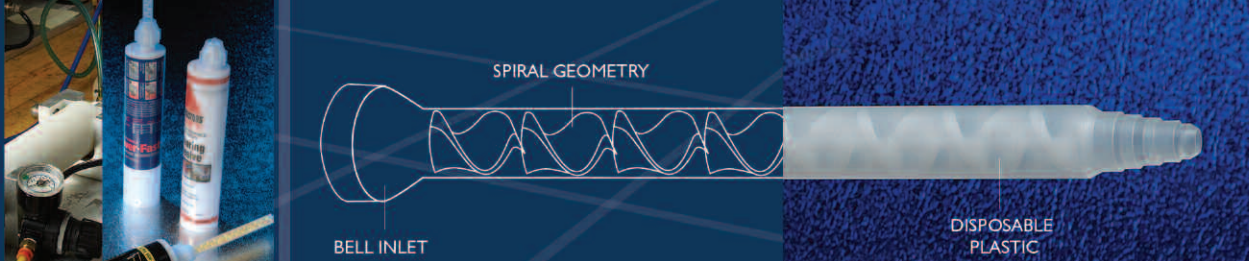
Our patented u-TAH cartridge stores one component in front of the other but both are extruded through the cartridge outlet and into a static mixer simultaneously. As shown in the diagram, the rear piston is stationary. As the inner can is pushed forward, the orange fluid is extruded into the center tube, through the cartridge outlet, and into the mixer. At the same time, 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 cartridge have a smaller diameter and cross sectional area.



Venting Options

The standard u-TAH cartridge contains bleed vents to allow air to escape during filling. When using low viscosity materials (less than 1,000 cps), TAH developed a "non-vented" version of the u-TAH cartridges. Please contact our Technical Service or Sales Department to find out which option is best for your product.



Mixers



Options

- ▶ Series 160 Spiral Bell Mixers (page 15)
- ▶ Series 160 Spiral Integral Nut Mixers (page 16)
- ▶ Series 260 Spiral Bell Mixers (page 16)
- ▶ Series 260 Spiral Integral Nut Mixers (page 16)
- ▶ Series 180A Turbo Bell Mixers (page 17)
- ▶ Series 180A Turbo Integral Nut Mixers (page 17)
- ▶ Series 160AA Low-Pressure Air-Assisted Mixer (page 19)

Ratio Check Cap



The ratio check cap was originally designed as a QC tool for our Preferred Fillers to make sure no air was entrapped in the cartridge. However, many customers use it as a proportioning device when only a small amount of material is needed. Simply attach the cap, dispense the amount needed into a small cup and mix by hand. Then remove the cap and re-seal the u-TAH Cartridge for later use.

Low Viscosity Fluids

Flow Restrictor



Special non-vented versions of these cartridges are available to handle very low viscosity fluids. TAH also recommends the use of our Flow Restrictor when dispensing u-TAH Cartridges filled with low-viscosity fluid. Thin adhesives are often too free flowing and can cause cross-contamination, lead/lag problems, and plugging. Our low-cost, plastic

Flow Restrictor eliminates these issues 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).



Remove Plug

Insert Restrictor

Attach Mixer

Hanging Bracket



Complete your packaging with our Hanging Bracket—designed to hang our disposable, 11.2mm Series 280AN Turbo Mixer™ around the neck of the u-TAH cartridge. This bracket is a security feature which protects your store inventory.

u-TAH CARTRIDGE SYSTEM

PART NO.	DESCRIPTION	VOLUME	VENT	MATERIAL
CK-800-01A	1:1 u-TAH Cartridge System	250mL	Vented	Polypropylene
CK-800-03A	1:1 u-TAH Cartridge System	250mL	Vented	Nylon
CK-800-NVA	1:1 u-TAH Cartridge System	250mL	Non-Vented	Polypropylene
CK-820-01A	2:1 u-TAH Cartridge System	180mL	Vented	Polypropylene
CK-820-NVA	2:1 u-TAH Cartridge System	180mL	Non-Vented	Polypropylene
CK-870-03	10:1 u-TAH Cartridge System	280mL	Vented	Nylon

U-TAH RATIO CHECK CAP

PART NO.	DESCRIPTION	ORIFICE (IN / MM)	COLOR
B-808-01	Single Ratio-Check Cap	0.125 / 3.0	Translucent
B-808-01/25	Package of 25 Caps	0.125 / 3.0	Translucent

FLOW RESTRICTOR

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

HANGING BRACKET

PART NO.	DESCRIPTION
HGR-A1	Hanging Bracket for Series 280AN 11.2 mm Turbo Mixers

Mixers with our "A" detail can be used with our Series 163A ProTips™



cartridge systems

Please visit our website for a video showing the u-TAH™ Universal Cartridge in action at www.tah.com.