

SEAL EASY

Hose, Tube, Pipe & Flange Sealing Systems



Ultra Clean Technologies offers innovative and economical solutions to protect cleaned hoses, tubes and pipes. The **Clean Seal System** heat-shrinks a **Clean Seal Capsule** tightly around the end of a hose assembly. Seal a single hose, or multiple hoses simultaneously! Just sixteen size capsules needed for most applications. Shorter capsules available to accommodate angle/elbow (ie: 45° and 90°) fittings.

The **Clean Seal Flange** is an advanced solution for keeping oil in your system and dirt out whenever you must disconnect or change a hose with flanged connections.

An array of products in the "**Seal Easy**" line includes:

Heat Shrink Machine
Clean Seal Capsules

Heat Shrink Gun, Heat Diffusers, and Flexible Stand
Clean Seal Flanges

Clean Seal System

The Clean Seal System utilizes heat shrink technology to encapsulate the end of a hose or tube assembly with a Clean Seal Capsule. This eliminates possible re-contamination that is problematic with traditional capping and plugging methods. Re-contamination occurs when ill-fitting caps and plugs are forced onto assemblies, causing plastic particles to shear off into the hose or tube. Clean Seal System leaves your assemblies tightly sealed and 100% contamination free, *and* provides an easier, less costly, and more effective solution than traditional capping methods. You'll never have to deal with an excessive cap and plug inventory again.

Features & Benefits

- Preserves cleanliness
- Easy to use heat shrink machine or heat shrink gun for low or high volume production
- Fast and easy capsule installation
- Universal, clean fit up to 3" (80mm)
- Seals straight and elbow couplings - shorter capsules available for angled/elbow (i.e.: 45° and 90°) fittings
- Eliminates cap inventory hassles



UC-CSC-2023 through UC-CSC-8060 Clean Seal Capsules

Features & Benefits

- Just 16 capsule sizes needed for all assemblies
- Durable and secure
- Quick, clean application
- Blue color for quick and easy identification of sealed hoses
- Easy, clean pull-tab capsule removal



Clean Seal Capsules stack neatly for efficient shipping and storing!

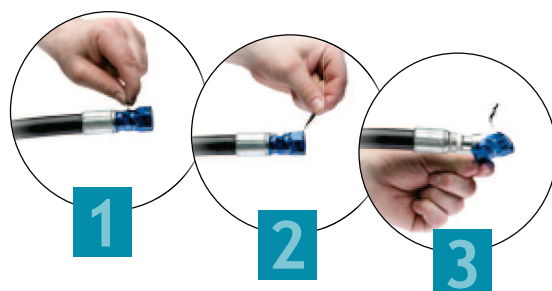
To Apply

1. **Choose** the closest fit capsule and place onto assembly end.
2. **Use** the heat shrink machine or gun to apply heat.

To Remove

1. **Grip** the black pull tab.
2. **Rip** the pull tab upwards.
3. **Slip** the Clean Seal Capsule off the assembly.

Just seconds to apply and remove!



UC-CSS-230V Heat Shrink Machine



Features & Benefits

- Enables sealing of single OR multiple hose or tube assemblies at one time. Great for production sealing!
- Accepts Clean Seal Capsules from 3/4" I.D. (20mm) through 3" I.D. (80mm), allowing for sealing and thread protection of most hose and tube ends from -4 (1/4") through -32 (2").
- White plunger provides solid surface for holding Clean Seal Capsule in place and even heat distribution for a perfect shrink-fit.
- Plunger shelf provides solid surface for holding Clean Seal Capsule in place on angle/elbow (ie: 45° and 90°) fittings.
- Operates on 230V single-phase AC power at 50/60Hz and draws < 10 amps.
- Customer supplies L6-15 NEMA twist lock receptacle.
- When on, ON/Off rocker-style switch illuminates green.
- Hot Air Blower Timer sets in 1-minute increments.
- When on, Timer Light illuminates white.
- 24/7 operating capacity.
- Pre-filtered air prohibits airborne contamination.
- Heat side of machine is fully insulated.
- Internal heat source is brushless and made for industrial applications.
- Optional Heat Guard
- Optional Vertical Mount

Available Kits (3)

Available in North America only

1. **UC-HL-1910HK (pictured):** Hardware-only Kit that includes portable heat shrink gun with case, flexible stand, 95 mm diffuser with 1-1/2" connection.
2. **UC-HL-1910SK:** Hardware & Capsules Starter Kit that includes capsules also available as listed on next page.
3. **UC-HL-1910SK-2:** Starter Kit for applications up to 2" ID.



UC-HL1910E Heat Shrink Gun

Available in North America and Europe only

Features & Benefits

- Variable-temperature electronic heat gun with electronic thermocouple control for flexible use and maximum reliability.
 - Duratherm heating element ensures long life and even heat with a temperature range of 120°F (49°C) to 1100°F (593°C) and a built-in cool down switch.
 - Operates on 120V AC power, draws 1500 watts, and can produce 17.6CFM.
- European model operates on 240V AC power and comes with european plug.*
- Capable of sealing multiple hoses simultaneously.
 - Carry Case with various nozzle attachments included for applications other than shrinking of Clean Seal Capsules.



UC-1.5HD & UC-2.0HD Heat Diffusers

Features & Benefits

- Heat Diffusers enable a 360° even hot air flow to shrink the Clean Seal Capsules.
- Can be installed on heat guns that have a 1/2" (38mm) and 2" (50mm) OD on the heating element.
- UC-2.0HD is made of 304 Stainless Steel for a long contamination-free life.
- UC-1.5HD works perfectly with the UC-HL1910 Heat Gun.

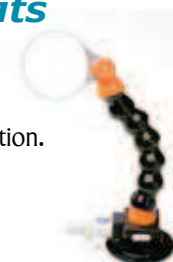


UC-HG-STAND

Available in North America only

Features & Benefits

- Vacuum pump stand is for hands-free operation of the UC-HL1910E heat gun.
- Adjustable to almost any position.
- Makes your job of shrinking capsules quicker and easier!



Clean Seal System Parts List

HEAT SHRINK SYSTEMS AND ACCESSORIES

PART NUMBER#	DESCRIPTION
HEAT SHRINK MACHINE	
UC-CSS-230V	PRODUCTION HEAT SHRINK MACHINE with TIMER
UC-CSS-230V-HG	PRODUCTION HEAT SHRINK MACHINE with TIMER and HEAT GUARD
HEAT SHRINK GUNS & ACCESSORIES	
UC-HL1910E	ELECTRIC HEAT GUN WITH CASE
UC-HG-STAND	FLEX VACUUM PUMP STAND
UC-1.5HD	95MM DIFFUSER FOR 1-1/2" CONNECTION
UC-2.0HD	95MM DIFFUSER FOR 2" CONNECTION
CLEAN SEAL KITS	
UC-HL1910SK (Starter Kit)	PORTABLE HEAT SHRINK GUN WITH CASE (UC-HL-1910E), FLEXIBLE STAND (UC-HG-STAND), 95MM DIFFUSER WITH 1-1/2" CONNECTION (UC-1.5HD) & 1 PACKAGE OF EACH CAPSULE SIZE UC-CSC-2540P, UC-CSC-2840P, UC-CSC-3140P, UC-CSC-3440P, UC-CSC-3840P, UC-CSC-4650P
UC-HL1910SK-2	PORTABLE HEAT SHRINK GUN WITH CASE (UC-HL-1910E), FLEXIBLE STAND (UC-HG-STAND), 95MM DIFFUSER WITH 1-1/2" CONNECTION (UC-1.5HD) & 1 PACKAGE OF EACH CAPSULE SIZE UC-CSC-2030P, UC-CSC-2540P, UC-CSC-2840P, UC-CSC-3140P, UC-CSC-3440P, UC-CSC-3840P, UC-CSC-4650P
UC-HL1910HK (Hardware Kit)	PORTABLE HEAT SHRINK GUN WITH CASE (UC-HL1910E), FLEXIBLE STAND (UC-HG-STAND), 95 mm DIFFUSER WITH 1-1/2" CONNECTION (UC-1.5HD)

CLEAN SEAL CAPSULES

PACKAGED		BULK		SIZING			*FITTING	
PART NUMBER# PACKAGED	CARTON QTY PACKAGED	PART NUMBER# BULK	CARTON QTY BULK	CAPSULE SIZE Inside Diameter x Length in mm	HEX SIZES COVERED in mm	HEX SIZES COVERED in inches	STRAIGHT	ELBOW
UC-CSC-2023P	810	UC-CSC-2023B	23,400	20 X 23	12mm to 18mm	.47" to .71"		X
UC-CSC-2030P	810	UC-CSC-2030B	23,400	20 X 30	12mm to 18mm	.47" to .71"	X	
UC-CSC-2224P	810	UC-CSC-2224B	22,500	22 X 24	16mm to 21mm	.63" to .82"		X
UC-CSC-2527P	800	UC-CSC-2527B	17,600	25 X 27	18mm to 23mm	.71" to .91"		X
UC-CSC-2540P	800	UC-CSC-2540B	17,600	25 X 40	18mm to 23mm	.71" to .91"	X	
UC-CSC-2840P	720	UC-CSC-2840B	15,200	28 X 40	22mm to 26mm	.87" to 1.02"	X	
UC-CSC-3133P	640	UC-CSC-3133B	12,240	31 X 33	24mm to 29mm	.94" to 1.14"		X
UC-CSC-3140P	640	UC-CSC-3140B	12,240	31 X 40	24mm to 29mm	.95" to 1.14"	X	
UC-CSC-3440P	640	UC-CSC-3440B	10,240	34 X 40	27mm to 32mm	1.07" to 1.26"	X	
UC-CSC-3840P	560	UC-CSC-3840B	7,800	38 X 40	30mm to 36mm	1.19" to 1.42"	X	X
UC-CSC-4345P	480	UC-CSC-4345B	6,240	43 X 45	32mm to 41mm	1.26" to 1.61"	X	X
UC-CSC-4650P	480	UC-CSC-4650B	5,760	46 X 50	34mm to 44mm	1.34" to 1.73"	X	X
UC-CSC-5260P	400	UC-CSC-5260B	4,400	52 X 60	41mm to 50mm	1.62" to 1.97"	X	X
UC-CSC-5860P	400	UC-CSC-5860B	3,600	58 X 60	49mm to 56mm	1.93" to 2.20"	X	X
UC-CSC-6760P	320	UC-CSC-6760B	2,560	67 X 60	55mm to 65mm	2.16" to 2.56"	X	X
UC-CSC-8060P	420	UC-CSC-8060B	1,736	80 X 60	64mm to 78mm	2.52" to 3.07"	X	X

*Shorter length capsules are recommended for elbow/angled fittings (i.e. 45° and 90°).

Grey area indicates capsule sizes included in kit UC-HL1910SK.