



ULTRA CLEAN TECHNOLOGIES

800-791-9111

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



ULTRA CLEAN TECHNOLOGIES

800-791-9111

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



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!



ULTRA CLEAN TECHNOLOGIES

800-791-9111

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 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 loc 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.

Available Kits (2)

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.



UC-HL1910E Heat Shrink Gun

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.
- Capable of sealing multiple hoses simultaneously.
- Carry Case with various nozzle attachments are 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 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

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!





ULTRA CLEAN TECHNOLOGIES

800-791-9111

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
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-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	1,456	UC-CSC-2023B	27,664	20 X 23	12mm to 18mm	.47" to .71"		X
UC-CSC-2030P	1,300	UC-CSC-2030B	23,400	20 X 30	12mm to 18mm	.47" to .71"	X	
UC-CSC-2224P	1,500	UC-CSC-2224B	27,000	22 X 24	16mm to 21mm	.63" to .63"		X
UC-CSC-2527P	1,210	UC-CSC-2527B	19,360	25 X 27	18mm to 23mm	.71 to .91"		X
UC-CSC-2540P	1,050	UC-CSC-2540B	16,800	25 X 40	18mm to 23mm	.71" to .91"	X	
UC-CSC-2840P	684	UC-CSC-2840B	8,892	28 X 40	22mm to 26mm	.87" to 1.02"	X	
UC-CSC-3133P	918	UC-CSC-3133B	11,016	31 X 33	24mm to 29mm	.94" to 1.14"		X
UC-CSC-3140P	850	UC-CSC-3140B	10,200	31 X 40	24mm to 29mm	.95" to 1.14"	X	
UC-CSC-3440P	560	UC-CSC-3440B	13,440	34 X 40	27mm to 32mm	1.07" to 1.26"	X	
UC-CSC-3840P	756	UC-CSC-3840B	7,560	38 X 40	30mm to 36mm	1.19" to 1.42"	X	X
UC-CSC-4345P	546	UC-CSC-4345B	4,368	43 X 45	32mm to 41mm	1.26" to 1.61"	X	X
UC-CSC-4650P	540	UC-CSC-4650B	4,320	46 X 50	34mm to 44mm	1.34" to 1.73"	X	X
UC-CSC-5260P	520	UC-CSC-5260B	3,640	52 X 60	41mm to 50mm	1.62" to 1.97"	X	X
UC-CSC-5860P	585	UC-CSC-5860B	3,510	58 X 60	49mm to 56mm	1.93" to 2.20"	X	X
UC-CSC-6760P	400	UC-CSC-6760B	3,200	67 X 60	55mm to 65mm	2.16" to 2.56"	X	X
UC-CSC-8060P	434	UC-CSC-8060B	1,736	80 X 60	64mm to 78mm	2.52" to 3.07"	X	X

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

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