

Benefits

- ▶ “Easy” Heat Shrink System
- ▶ Quickly Caps & Seals
- ▶ Clean Universal Fit up to 3” (80 mm)
- ▶ 10 Clean-Seal Sizes for All Assemblies
- ▶ Fits Straight and Elbow Couplings
- ▶ Durable & Secure
- ▶ Fast Easy-On Application
- ▶ Clean & Easy Pull Tab Removal
- ▶ Reduces Cap Inventory
- ▶ Keeps O-rings & Seals in Place
- ▶ Preserves Cleanliness

Clean Seal Capsules

... Seal Easy.

RAISING THE BAR ON CLEANLINESS

Ultra Clean is the leader in contamination control with its unmatched hose and tube cleaning systems. With the introduction of the *Clean Seal System*, we once again raise the bar on cleanliness.

The Clean Seal process 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 Capsules leave your assemblies 100% contamination free - and that's not just clean, it's *Ultra Clean*.

HOW TO APPLY CLEAN SEAL CAPSULES

Clean Seal Capsules come in just ten sizes and fit perfectly on all hose and tube assemblies. No more fumbling through hundreds of caps and force-fitting incorrect sizes. Application is easy:

1. Choose the closest fit capsule and place it over the coupling.
2. Apply heat using the Clean Seal Heat Shrink Gun or bench mounted Clean Seal System.
3. In just seconds, the Clean Seal Capsule is sealed onto the assembly!

HOW TO REMOVE CLEAN SEAL CAPSULES

Clean Seal Capsules leave absolutely no particles or sticky residue behind (as with caps, plugs or tape-sealed ends). Capsules are shipped pre-stacked to ensure cleanliness on the inside. Removal is easy:

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

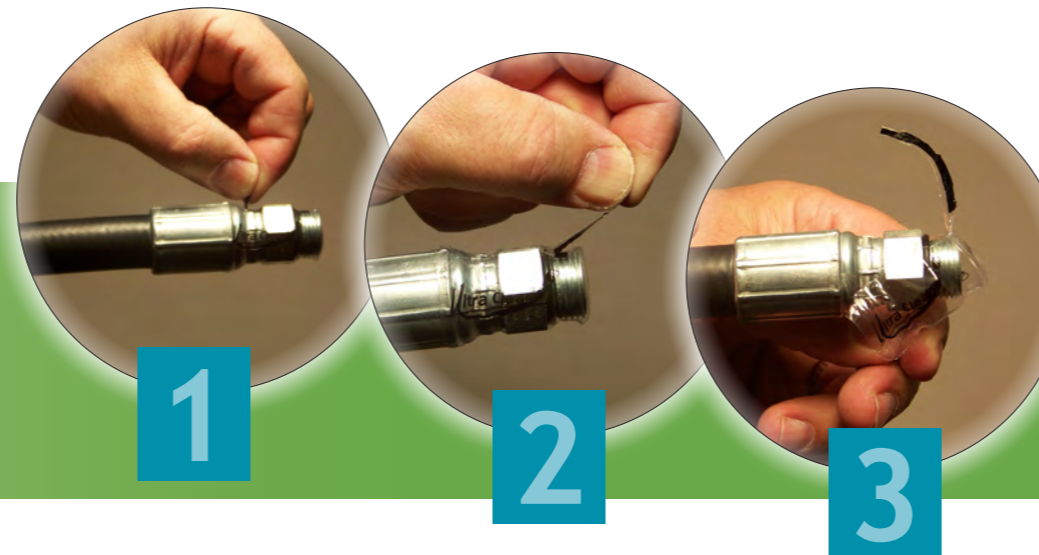
UC-CSS-230V CLEAN SEAL SYSTEM



The capacity to seal multiple assemblies simultaneously in a single stroke, makes the Clean Seal System ideal for high-volume sealing.

- Enables sealing of multiple hose or tube assemblies at one time.
- 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 centered surface for holding Clean Seal Capsule in place and even heat distribution for a perfect shrink-fit.
- 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.

Easy “Grip, Rip & Slip” Removal



UC-HL1910E HEAT SHRINK GUN



Pictured here: UC-HL1910E Heat Shrink Gun with UC-HG-Stand and UC-1.5HD Diffuser. Sold separately.

- 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 and UC-2.0HD HEAT DIFFUSER

- Heat Diffusers enable a 360 degree even hot air flow to shrink the Clean Seal Capsules.
- Can be installed on heat guns that have a 1½” (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

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



ULTRA CLEAN TECHNOLOGIES CLEAN SEAL SYSTEM PARTS LIST

HEATERS (HEAT SHRINK SYSTEMS AND ACCESSORIES)

P/N	DESCRIPTION
CLEAN SEAL SYSTEMS	
UC-CSS-230V	PRODUCTION HEAT SHRINK MACHINE with TIMER
HAND-HELD CLEAN SEAL SYSTEMS	
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.OHD	95MM DIFFUSER FOR 2" CONNECTION
CLEAN SEAL STARTER KIT	
UC-HL1910SK	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 thru UC-CSC-4660P

BULK CARTONS

P/N	DESCRIPTION	HEX SIZES in mm	HEX SIZES in inches	CARTON QTY
UC-CSC-2040B	CLEAN SEAL CAPSULES 20 X 40	12mm to 18mm	.47" to .71"	23,400
UC-CSC-2540B	CLEAN SEAL CAPSULES 25 X 40	18mm to 22mm	.71" to .87"	16,800
UC-CSC-2840B	CLEAN SEAL CAPSULES 28 X 40	22mm to 24mm	.87" to .95"	8,892
UC-CSC-3140B	CLEAN SEAL CAPSULES 31 X 40	24mm to 27mm	.95" to 1.07"	10,200
UC-CSC-3440B	CLEAN SEAL CAPSULES 34 X 40	27mm to 30mm	1.07" to 1.19"	13,440
UC-CSC-3850B	CLEAN SEAL CAPSULES 38 X 50	30mm to 32mm	1.19" to 1.26"	7,000
UC-CSC-4660B	CLEAN SEAL CAPSULES 46 X 60	32mm to 41mm	1.26" to 1.62"	4,128
UC-CSC-5260B	CLEAN SEAL CAPSULES 52 X 60	36mm to 47mm	1.62" to 1.85"	3,640
UC-CSC-6760B	CLEAN SEAL CAPSULES 67 X 60	46mm to 60mm	1.85" to 2.37"	3,200
UC-CSC-8060B	CLEAN SEAL CAPSULES 80 X 60	60mm to 72mm	2.37" to 2.84"	1,736

PACKAGED QUANTITIES

P/N	DESCRIPTION	HEX SIZES in mm	HEX SIZES in inches	PACKAGED QTY
UC-CSC-2040P	CLEAN SEAL CAPSULES 20 X 40	12mm to 18mm	.47" to .71"	1,300
UC-CSC-2540P	CLEAN SEAL CAPSULES 25 X 40	18mm to 22mm	.71" to .87"	1,050
UC-CSC-2840P	CLEAN SEAL CAPSULES 28 X 40	22mm to 24mm	.87" to .95"	684
UC-CSC-3140P	CLEAN SEAL CAPSULES 31 X 40	24mm to 27mm	.95" to 1.07"	850
UC-CSC-3440P	CLEAN SEAL CAPSULES 34 X 40	27mm to 30mm	1.07" to 1.19"	560
UC-CSC-3850P	CLEAN SEAL CAPSULES 38 X 50	30mm to 32mm	1.19" to 1.26"	500
UC-CSC-4660P	CLEAN SEAL CAPSULES 46 X 60	32mm to 41mm	1.26" to 1.62"	516
UC-CSC-5260P	CLEAN SEAL CAPSULES 52 X 60	36mm to 47mm	1.62" to 1.85"	520
UC-CSC-6760P	CLEAN SEAL CAPSULES 67 X 60	46mm to 60mm	1.85" to 2.37"	400
UC-CSC-8060P	CLEAN SEAL CAPSULES 80 X 60	60mm to 72mm	2.37" to 2.84"	434

Included in UC-HL1910SK



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Clean Seal System™
Shrink to fit, for a clean seal every time!



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Seal Easy.