

March, 2013

CLEAN SEAL SYSTEM



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



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Seal Easy.

Benefits

- ▶ Easy Heat Shrink System
- ▶ Quickly Caps & Seals
- ▶ Clean Universal Fit up to 3" (80 mm)
- ▶ 16 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 our 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 eleven 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 System or Clean Seal Heat Shrink gun.
3. In just seconds, the Clean Seal Capsule is cleanly 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.

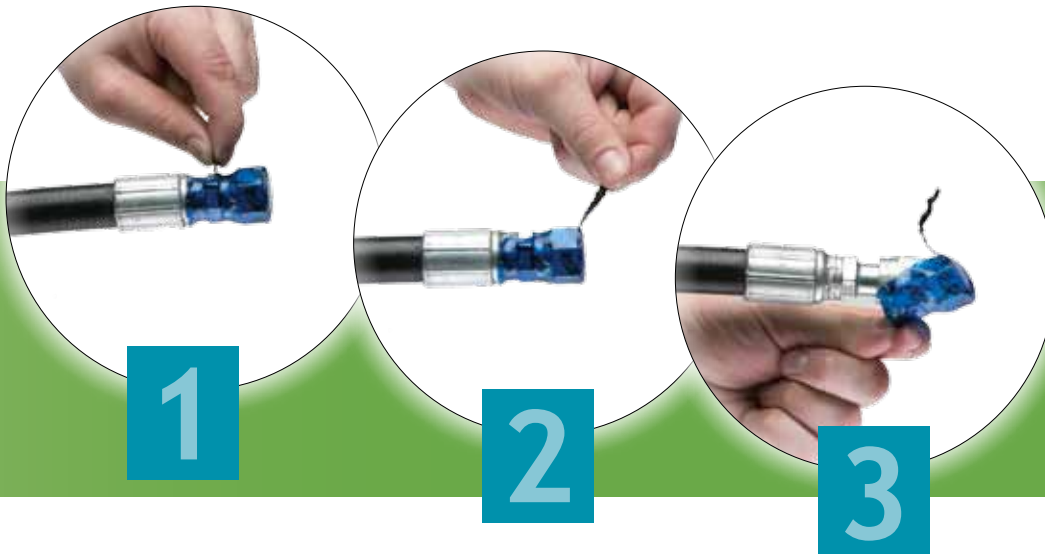
UC-CSS-230V CLEAN SEAL SYSTEM



The Clean Seal System machine is ideal for sealing single or multiple hoses. Removable and adjustable plunger shelf for angle/elbow fittings.

- 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 promotes even heat distribution for a perfect shrink-fit.
- Adjustable plunger shelf for sealing angle/elbow couplings (ie: 90° and 45° angles).
- 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) or 2” (50mm) OD connection on the heating element.
- 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!



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

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

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





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