

# ACCESSORIES

## HOSE CLEANING

### UC-EL-8 - PROJECTILE LAUNCH KIT



Over 80% of hydraulic failures are caused by contamination - Don't risk it!

These pneumatic projectile launchers, paired with SC-TCS projectiles clean hydraulic hose on the inside to avoid any particles left from the cutting process or storage from entering sensitive components and causing costly damage.

#### CONTENTS:

- Projectile Launch Gun
- Nozzles to suit 1/4" through to 1-1/4" hose
- Air line adaptor
- Lockable Case

Kits with nozzles to suit hose larger than 1-1/4" available on request.

### SC-TCS - HOSE CLEANING PROJECTILE

The projectile cleans by being compressed against the internal surface of the hose. This pressure is achieved by the projectile being approximately 20% to 30% larger than the internal diameter of the hose.



CODE	DESCRIPTION	PACK SIZE	"SUITS ASSEMBLED HOSE HOSE I.D.* (STRAIGHT ENDS CRIMPED ON)"	"SUITS HOSE I.D.* (WITHOUT FITTINGS)"
SC-TCS07	Projectiles 7mm Standard Pack	100	1/4"	
SC-TCS10	Projectiles 10mm Standard Pack	100	3/8"	1/4"
SC-TCS12	Projectiles 12mm Standard Pack	100		5/16"
SC-TCS14	Projectiles 14mm Standard Pack	100	1/2"	3/8"
SC-TCS16	Projectiles 16mm Standard Pack	100	5/8"	
SC-TCS20	Projectiles 20mm Standard Pack	100	3/4"	1/2"
SC-TCS24	Projectiles 24mm Standard Pack	50		
SC-TCS26	Projectiles 26mm Standard Pack	50	1"	3/4"
SC-TCS33	Projectiles 33mm Standard Pack	40	1 - 1/4"	1"
SC-TCS40	Projectiles 40mm Standard Pack	30	1 - 1/2"	1 - 1/4"

\*\*\*Recommended values only, individual circumstances may require a smaller or larger projectile. If the projectile is too large it will not leave the nozzle, and if it is too small it will not clean effectively. The enormous variety in the types of couplings available today could also mean in some circumstances that the recommended size is inappropriate. When cleaning assemblies, a reduction in projectile size may be appropriate, as all recommendations are based on the most commonly used coupling sizes.

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# Hose Cleaning Projectile Launch Kit

## Using the kit



- 1 Open the faceplate.**  
Unscrew the faceplate from the front of the projectile launcher.



- 2 Select & Insert the nozzle.**  
Select the correct size nozzle and insert firmly into the faceplate as shown.



- 3 Insert the projectile.**  
Select the correct size projectile and insert it into the nozzle. Ensure it is sitting lengthwise to avoid jamming.



- 4 Re-attach the faceplate.**  
Screw the faceplate back on to the front of the projectile launcher as shown



- 5 Clean your hose.**  
Connect the air source, press the nozzle into the hose to be cleaned so it forms a seal and fire the launcher.  
Always ensure the end of the hose is pointed in a safe direction.



NOTE: Working with compressed or pressurised air can be dangerous.  
Always ensure the end of the hose and projectile launcher is pointing in a safe direction in case of accidental firing. When cleaning a hose always make sure the discharge end is pointing in a safe direction and/or you have a safe method of catching the projectile on exit.

## Frequently Asked Questions

### How do I remove a wedged projectile that is obviously too large for the hose?

Pour some water or spray a little WD40 or similar down the hose and re-fire the pneumatic launcher without a projectile from the opposite end to where the projectile entered. Ensure the end of the hose is facing in a safe direction prior to firing the launcher.

### How do you remove a projectile that is stuck due to a restriction?

Place the launcher at the other end of the hose and, without a projectile, fire the launcher. Providing the restriction is not too large, fire a smaller projectile through to complete the cleaning process. If the restriction is too large the assembly may be written off.

### Why would a projectile break up?

If a projectile emerges from the hose or hose assembly broken in any way, it is an indication that the internal wall is damaged. Dip the projectile in water and then fire through; If the projectile still appears shredded it confirms damage to the inner wall.

Particularly in used or older hoses, there could also be a sharp object such as a burr inside the hose or hose tails. Hydraulic hose may have a broken wire protruding through the hose wall.

### Can projectiles be washed and reused?

No. You never want to re-introduce contamination or used projectiles back into an assembly.

### What if the launcher does not fire?

Check that the face-plate is secured properly, and safety bar/release mechanism is locked in position. Check for restrictions in the air hose and that you have pressure.

### Why is air pressure so important when operating the system?

If air pressure is too low, the correct sized projectile will possibly become lodged in the hose or hose assembly. A smaller projectile will need to be used resulting in greater use of projectiles than is necessary.

If the air pressure is too high, the valve and trigger in the launcher may not operate properly. This may cause issues such as; difficult to depress trigger, or the trigger does not close.

If the trigger does not close, follow one of the following procedures:

- Disconnect quick release coupling from the launcher.
- Tap the launcher lightly against nearest firm object.
- Turn off gas supply source at most convenient point.

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