Product Briefing

Manual Crimpers and De-cappers

For 8mm, 11mm and 20mm
Crimp Top Vials

Crimpers and De-cappers

- Manual crimpers give a secure closure of crimp vials.
- The removal of such crimps is not easily carried, making them tamper evident.
- Controlled removal of crimps using a manual de-capper allows separation of waste or allows access to vial contents.

CRIMPER

DE-CAPPER

Why are they used?

- Although plastic screw caps and snap caps are widely used the integrity of a properly formed crimp seal is greater than that found with other options, especially with volatile solvents as used in GC and SEC systems.
- Headspace vials require pressure resistant closures that will cope with the increase in headspace pressure formed on heating.

Features: -

- Self-adjustment of crimp height.
- Robust jaws with hardened surface for long life.
- Adjustable crimping pressure pre-set in handle.
- Chemically resistant surface finish.

Benefits

- Self-adjustment of crimp height allows use with a wide range of crimp vials and seal combinations.
- Combined use of crimpers and de-cappers aids re-cycling.
- The crimp pressure can be altered for different seal thickness and hardness.

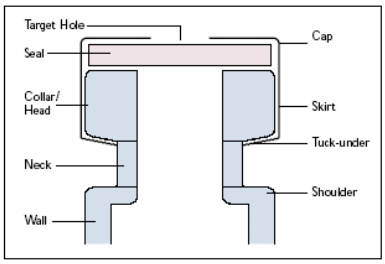
De-Capping Pliers

- A lower cost alternative allows the removal of crimps for separation of glass from metals and plastics.
- A range of sizes from 8mm to 30mm

Product Briefing

Crimping Trouble-shooting

- A correctly crimped vial has a flat upper cap surface, a flat septa surface and un-deformed cap sides.
- The contents are secure and have minimal solvent loss.



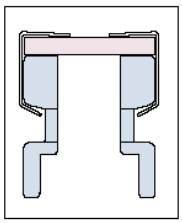
Correctly Crimped Vial

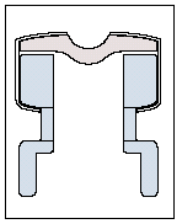
Undercrimping

- The aluminium skirt is not fully sealed. The seal can move and the contents are prone to leakage.
- Adjust crimping pressure to firmly hold the seal.

Overcrimped

- The seal is convex and the cap is bulged
- Although it may appear to be sealed the septa may be distorted and is prone to "coring" as the needle will pierce the septa at an angle.
- Adjust the crimping pressure to firmly hold the seal.


Undercrimped Vial


Overcrimped Vial

Cap deformation

- The skirt is deformed as crimp is formed.
- The use of too thin a seal with the crimp vial may be responsible.
- The self-adjustment will compensate for most instances.

Flip-Top Caps

- These cannot be crimped with the standard units.
- Custom crimpers may be specially made for use with specific ranges of flip-top crimps.
- Samples of closures are used to pre-set the unit prior to delivery.

Ordering

Chromacol Part Number	Description
CR-8	8mm Hand Crimper for 8mm crimp vials
CR-11	11mm Hand Crimper for 11mm crimp vials
CR-13	13mm Hand Crimper for 13mm crimp vials
CR-20	20mm Hand Crimper for 20mm crimp and headspace vials
CR-20FTT	20mm Hand Crimper for Flip Caps for 20mm crimp vials
CR-30	30mm Hand Crimper for 30mm crimp vials
DCB-8	8mm Hand Decappers for 8mm crimp vials
DCB-11	11mm Hand Decappers for 11mm crimp vials
DCB-13	13mm Hand Decappers for 13mm crimp vials
DCB-20	20mm Hand Decappers for 20mm crimp vials
DCR-8	8mm Decappers - Pliers Type for 8mm crimp vials
DCR-11	11mm Decappers- Pliers Type for 11mm crimp vials
DCR-13	13mm Decappers- Pliers Type for 13mm crimp vials
DCR-20	20mm Decappers- Pliers Type for 20mm crimp vials
DCR-30	30mm Decappers- Pliers Type for 30mm crimp vials