

UNITM

C A P

FDA Compliant (FDA CFR 177.2600) Silicone Dust Caps



Dust - Tight
Powder Transfer
Solutions

hanningfield



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Dust - Tight Powder Transfer Solutions

Ever increasingly stringent containment standards insist that powder is kept under control at every stage of production, especially during gravity-feed transfers where unacceptable levels of airborne dust can be created.

The **Uni-Cap** system ensures operators and the process environment are fully protected during the transfer phase of powder processing.

By using a combination of stainless steel **SUPPORT** ring and silicone dust cap, a simple, cost effective solution can be provided to maintain the integrity of a 'closed-system'.



Dust Caps

A range of silicone dust caps is available to suit various types and sizes of process equipment.

The **Uni-Cap** is hygienic, durable and easy to clean.

The **Uni-Cap** can be hand or machine washed and even auto-claved if required.

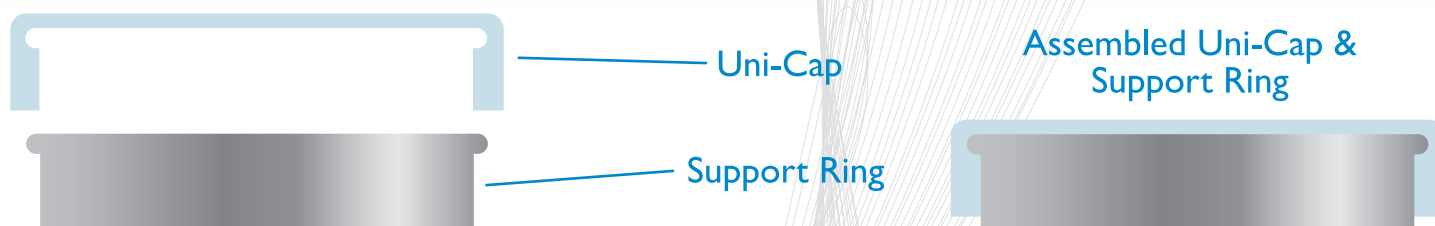
Stainless Steel Support Rings

Stainless steel support rings are available to suit the **Uni-Cap** range.

All rings are manufactured from AISI 316L stainless steel and are fully welded and polished smooth, giving a good GMP crevice free method of supporting the **Uni-Cap**.

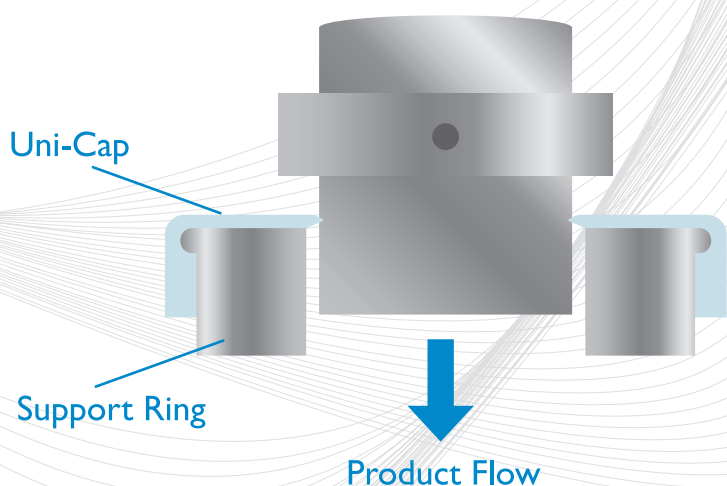
Assembling The Uni-Cap

To achieve a high integrity dust-tight seal, the **Uni-Cap** must be stretched over the correct diameter support ring. All Hanningfield **Uni-Cap** support rings are GMP correct and have a solid rim.



The **Uni-Cap** dust cap seals are designed and developed undersized. The basis of this is so that the **Uni-Cap** is stretched over the support ring to achieve an optimum seal.

Spigot Interfacing



Making Holes...

To ensure a dust tight seal is maintained between the **Uni-Cap** and the feed pipe, the hole in the **Uni-Cap** should be cut 25-30mm smaller than the outside diameter of the feed-pipe.

The hole in the **Uni-Cap** should be a perfect circle with no fragmented edges.

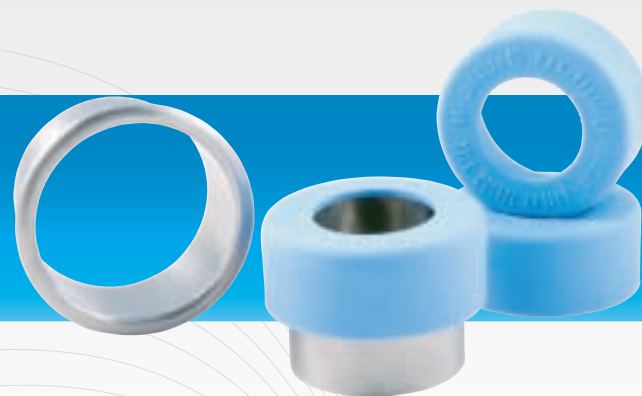
We are able to provide a cutting service, at nominal charge. Please ask for details.

Other Uses

The **Uni-Cap** can be fitted to outlet Spigots after product transfer to reduce contamination.

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Caps

Nominal Diameter	Maximum Inlet Spigot Dia.	Height	Part No.
60mm	50mm	33mm	736564
200mm	150mm	40mm	736570
250mm	200mm	36mm	736565
315mm	265mm	32mm	736567
400mm*	350mm	32mm	736572

Also available with Tri-Cover profile only:-

*Available 2008/09

Diameter	Maximum Inlet Spigot Dia.	Height	Part No.
8" T/C	150mm	25mm	736561

Support Rings

Inside Diameter	Outside Diameter	Height	Part No.
57mm	60mm	50mm	735688
200mm	204mm	50mm	735689
246mm	250mm	50mm	735690
314mm	318mm	50mm	735691
400mm	404mm	50mm	735692

Certification documents available for all Silicone Caps and Stainless Steel support rings



Vent Filters

During powder transfer, displaced air within the closed system can cause an overpressure.

To avoid leaks caused by the sudden increase in pressure, vent filters can be supplied.

Simple bag-type or Mini-HEPA filters are available with easy connection. Using Tri-Clover unions ensures installation is quick and easy to implement.

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