

PURGE CAPS



World first purge caps from a 3D printer

Introducing the world's first 3D-printed purge cap, engineered for optimal gas containment and efficiency. Designed to facilitate high-quality weld purging, this cutting-edge solution ensures a reliable and secure seal.

FEATURES

- **Available Sizes:** DA 6 – DA 323 mm ($\frac{1}{4}$ " – $12\frac{3}{4}$ ")
- **Precision Sealing:** The purge cap is secured over the pipe's outer end using a large screw thread and union nut, ensuring a tight, stable fit.
- **Advanced Air Cushion System:** Two TPU doughnut-shaped air cushions inside the cap expand upon tightening, applying uniform pressure against the tube exterior for an optimal gas seal.
- **Versatile Hose Connection:** Equipped with a centrally located hose connector, compatible with:
 - Clamping wedge ring fitting (Swagelok)
 - Plug-in coupling (Festo-SMC)
- **Patent Pending Design**

Engineered for industries requiring precise purge gas control, these purge caps deliver exceptional sealing performance, durability, and ease of use.

APPLICATIONS

- Semiconductor (supplying high purity gas in the semiconductor industry)
- Aerospace
- Pharmaceuticals





MADE IN GERMANY

MATERIAL

- Body and union nut PETG (polyethylene terephthalate glycol)
- Air cushion seal TPU (thermoplastic polyurethane)

The marking on the black cap can be customized upon request.

PART NUMBERS

Article No.	Description	Size OD*	Article No.	Description	Size OD*
UHP006.00	Purge Cap OD 6 mm	6,00 mm	UHP034.00	Purge Cap OD 34 mm	34,00 mm
UHP006.35	Purge Cap OD 6,35 mm	6,35 mm	UHP035.00	Purge Cap OD 35 mm	35,00 mm
UHP010.00	Purge Cap OD 10 mm	10,00 mm	UHP038.10	Purge Cap OD 38,1 mm	38,10 mm
UHP012.00	Purge Cap OD 12 mm	12,00 mm	UHP040.00	Purge Cap OD 40 mm	40,00 mm
UHP012.70	Purge Cap OD 12,7 mm	12,70 mm	UHP042.40	Purge Cap OD 42,4 mm	42,40 mm
UHP013.00	Purge Cap OD 13 mm	13,00 mm	UHP044.50	Purge Cap OD 44,5 mm	44,50 mm
UHP013.50	Purge Cap OD 13,5 mm	13,50 mm	UHP048.30	Purge Cap OD 48,3 mm	48,30 mm
UHP015.88	Purge Cap OD 15,88 mm	15,88 mm	UHP050.80	Purge Cap OD 50,8 mm	50,80 mm
UHP018.00	Purge Cap OD 18 mm	18,00 mm	UHP052.00	Purge Cap OD 52 mm	52,00 mm
UHP019.00	Purge Cap OD 19 mm	19,00 mm	UHP053.00	Purge Cap OD 53 mm	53,00 mm
UHP019.05	Purge Cap OD 19,05 mm	19,05 mm	UHP060.30	Purge Cap OD 60,3 mm	60,30 mm
UHP021.30	Purge Cap OD 21,30 mm	21,30 mm	UHP063.50	Purge Cap OD 63,5 mm	63,50 mm
UHP022.00	Purge Cap OD 22 mm	22,00 mm	UHP070.00	Purge Cap OD 70 mm	70,00 mm
UHP023.00	Purge Cap OD 23 mm	23,00 mm	UHP073.00	Purge Cap OD 73 mm	73,00 mm
UHP025.00	Purge Cap OD 25 mm	25,00 mm	UHP076.10	Purge Cap OD 76,1 mm	76,10 mm
UHP025.40	Purge Cap OD 25,4 mm	25,40 mm	UHP085.00	Purge Cap OD 85 mm	85,00 mm
UHP026.90	Purge Cap OD 26,9 mm	26,90 mm	UHP088.90	Purge Cap OD 88,9 mm	88,90 mm
UHP028.00	Purge Cap OD 28 mm	28,00 mm	UHP104.00	Purge Cap OD 104 mm	104,00 mm
UHP029.00	Purge Cap OD 29 mm	29,00 mm	UHP114.30	Purge Cap OD 114,3 mm	114,30 mm
UHP033.70	Purge Cap OD 33,7 mm	33,70 mm			

* Intermediate or larger sizes are available upon request



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