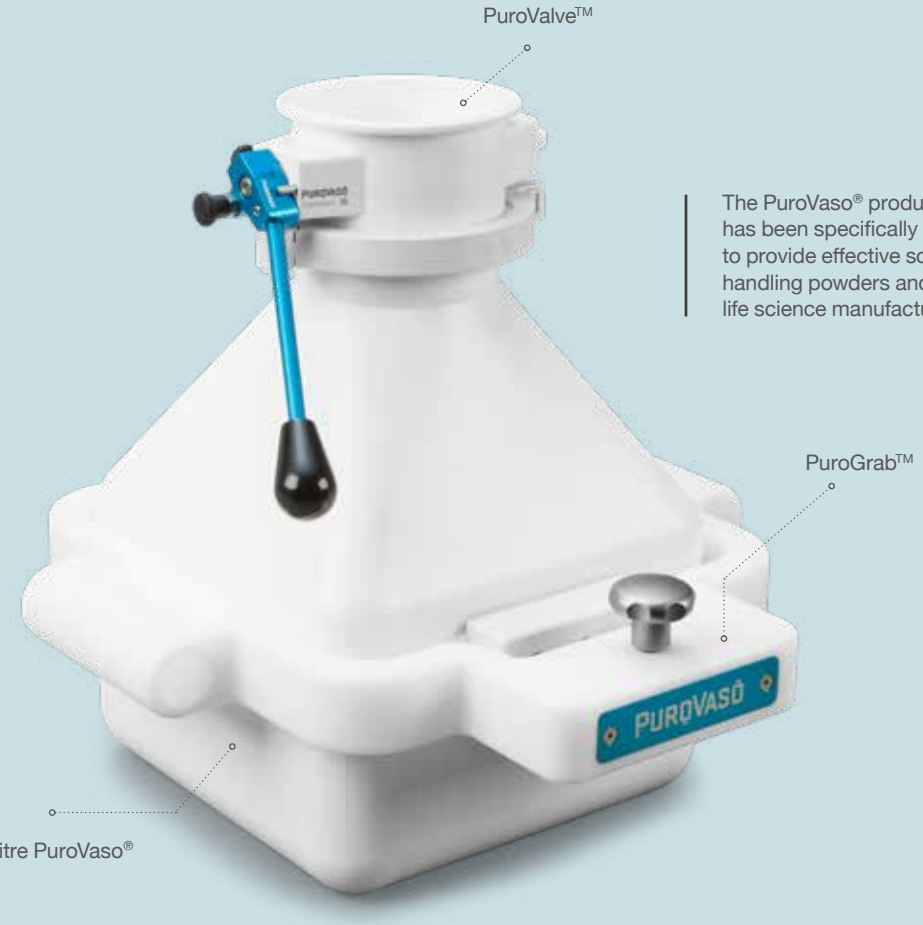
PuroVasō

Altogether Better



The PuroVaso® product range has been specifically developed to provide effective solutions for handling powders and tablets in life science manufacturing.

Innovative

Lightweight

Different sizes

Ergonomic

Recyclable

PuroVaso® embodies years of materials handling application experience into an 'Altogether Better' solution.

PuroVaso® containers are moulded from FDA compliant Polyethylene (PE) plastic materials, and offer the benefits of disposable single use technology whilst also being suitable for multi-use applications.

The manual handling of pharmaceutical products can often be difficult due to the weight of the container. At PuroVaso® we have changed the product to container weight ratio to ensure operators handling limits are driven by product weight and not by the weight of the container. The result is a unique combination of value and performance.

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Greater Versatility

The PuroVaso® container range offers far greater versatility, delivering the optimum handling solution.

From 1 litre to 50 litre with five further sizes in-between, and with a choice of 100mm or 150mm necks, PuroVaso® offers the widest range of plastic container sizes available. No need to compromise on the container size, just select the container volume that matches your batch size.

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Smarter Handling

An intelligent range of accessories provide ergonomic handling solutions, for effortless handling.

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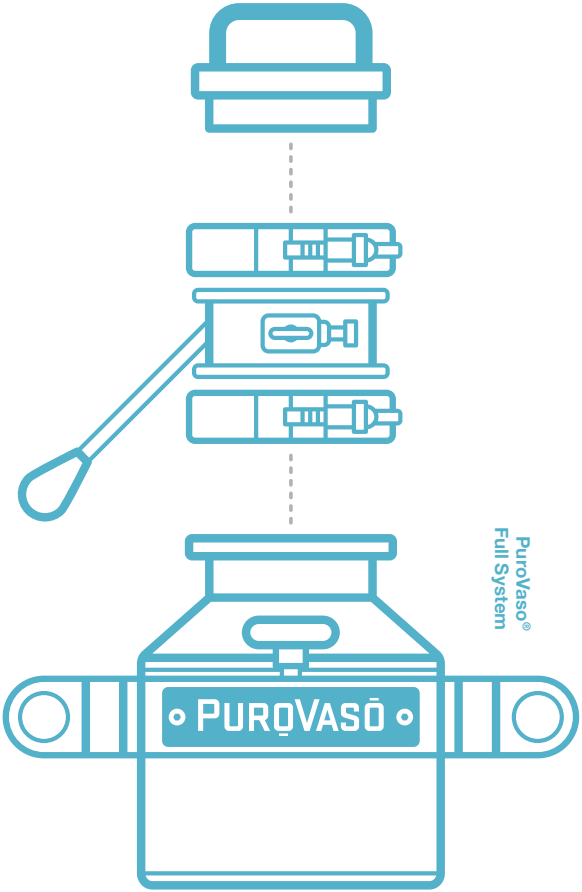

PuroVaso®
Full System

purovaso.com

Material Choice

PuroVaso® containers are available in three different choices of Polyethylene (PE) plastic materials.

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Pure White
Provides a UV protection

Opaque White
Allows visualisation of fill level

Conductive Black
LDPE plastic for ATEX and static sensitive applications.

An anti-static 'Opaque White' allows the visualisation of the fill level within the plastic container. The anti-static 'Pure White' provides a UV protection for light sensitive materials that may be stored and transported within the pharma process bottle. All PuroVaso® containers are suitable for ATEX dust applications, whilst the 'Conductive Black' is also suitable for ATEX gas applications.

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+ Safety Compliance

Naturally, the PuroVaso® containers are manufactured from materials that comply with FDA and relevant European regulations. The containers can be sterilised using Gamma Irradiation and VHP methods.

To further widen the application area, the materials selected have been extensively tested by a third party specialist for conductivity resulting in the PuroVaso® containers being available in an FDA conforming Conductive Black for the most arduous ATEX environments.

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Valve Options

PuroValve™
Manufactured from FDA conforming engineering plastic material for a lightweight valve solution.

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PuroValve™

PuroVaso® containers are designed to fit any valve type with a tri-clamp connection. A choice of DN100 or DN150 tri-clamp necks allows the use with a wide range of international standard tri-clamp connections.

The PuroValve™ perfectly compliments the lightweight ergonomic handling solutions from PuroVaso®. The valve's components are precision machined from FDA conforming high performance engineering plastics. Weighing only 500g, the PuroValve™ has quick-release features allowing the complete valve to be disassembled without tools within minutes for cleaning.

Intelligent Design

PuroValve™
A container shape designed to allow better use of space.

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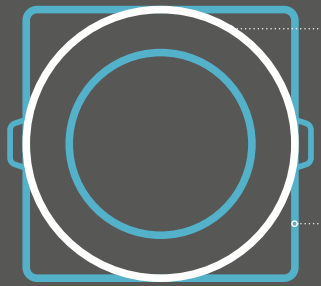
PuroVaso® improved container structure



Standard Container
Circular container holds less volume and increases storage costs.

PuroVaso® Container
Square container holds higher volumes, maximising the use of space.

A square bottle geometry maximises facility space and reduces equipment stack-up heights. The smarter use of the PuroVaso® container geometry reduces storing and transporting costs. The square geometry means the container is suitable for tumble blending, and the discharge cone angles allows effective powder discharge.

+ Low Cost
Recyclable

PuroVaso® containers allow for lower capital expenditure and lower operation costs. Moulded from Polyethylene (PE), the containers offer a much lower initial investment cost compared with stainless containers. Unlike single use flexibles, the PuroVaso® containers can be washed to allow it to be re-used many times over.

At the end of the PuroVaso® containers useful life, the containers can be recycled. The Polyethylene (PE) materials can be ground down, melted and re-pelletised to allow them to be used in the manufacture of non-food contact products.

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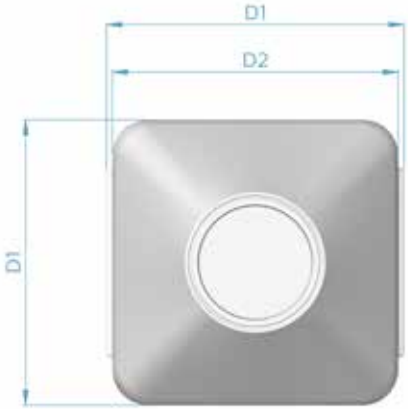
Technical Details



Product Code Configurator

	Container Volume	Neck Size	Container Material
	1		
	2		
	5		PW
	10		OW
PV	15	4	CB
	30	6	
	50		

e.g. PV15 4 CB is a 15L PuroVaso® with a DN100 neck manufactured in Conductive Black material.

PuroVaso® Technical details at a glance

Volume	Neck (0)	Height (H)	Footprint (D2)	Overall width (D1)	Weight (W)	PuroGrab™ Size
1 litre	DN100	122 mm	140 mm	150 mm	0.3 kg	PuroGrab™ 140
2.5 litres	DN100	192 mm	140 mm	150 mm	0.4 kg	PuroGrab™ 140
5 litres	DN100	229 mm	240 mm	250 mm	0.7 kg	PuroGrab™ 240
10 litres	DN100	299mm	240 mm	250 mm	1 kg	PuroGrab™ 240
15 litres	DN100	389 mm	240 mm	250 mm	1.3 kg	PuroGrab™ 240
5 litres	DN150	184 mm	240 mm	250 mm	0.7 kg	PuroGrab™ 240
10 litres	DN150	254 mm	240 mm	250 mm	1 kg	PuroGrab™ 240
15 litres	DN150	344 mm	240 mm	250 mm	1.3 kg	PuroGrab™ 240
30 litres	DN150	379 mm	350 mm	360 mm	2.1 kg	not available
50 litres	DN150	549 mm	350 mm	360 mm	2.9 kg	not available

Tri-clamp connection

DN100 necks are compatible with BS4825 Pt.3, DIN 32676 series A & C, ASME BPE 2012, ISO 2037 and SMS 3008/3017.

DN150 necks are compatible with BS4825 Pt.3, DIN 32676 series C and ASME BPE 2012.

Materials of Construction

PuroVaso® containers are moulded from polyethylene (PE) to provide a crevice free construction and are available in the following material choices:

OW Anti-static 'Opaque White' allowing visualisation of fill levels

PW Anti-static 'Pure White' providing UV protection for materials in storage

CB 'Conductive Black' for Gas ATEX applications and more static sensitive materials

Pressure Rating

1 bar (14.5 psi)

Compliance

FDA CFR 177.1520

EC-directive 10/2011

BSE/TSE Free

Melamine and Phthalate Free

Sterilisation

All material choices allow for Gamma Irradiation and VHP sterilisation methods

Temperature Rating

Normal operating temperature up to 40°C

Cleaning temperature up to 70°C

ATEX Rating

All PuroVaso® containers are suitable for Zone 21 and Zone 22 rated areas

Conductive Black containers are suitable for Zone 1/21 and Zone 2/22 areas

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