

VWR® CARBOYS

Versatile Cap technology

Autoclavable

Shape maximises bench
and shelf space



VWR VERSATILE CAP, VERSATILE BARB AND SPIGOT TECHNOLOGY

All made of autoclavable polypropylene

Versatile Cap

- Leakproof cap adapter works with optional open cap to enable users to quickly change top connector to match application needs
- Large finger grips for easy tightening and opening of the cap
- 80 mm and wide mouth 120 mm (for 20 and 40 l carboys)
- Quick-connect options available with 2, 3, and 4 ports, all with industry standard 6,4 and 9,5 mm hose barbs (6,4 and 12,76 mm moulded hose barbs are available)

Versatile Barb

- Supports flexibility in drainage or connection to a pump, automated equipment or filling bell
- Available in 6,4; 9,5; 12,7 and 19,1 mm hose barb sizes. A sanitary 19,1 mm fitting is also available
- Enables carboy to function as a supply reservoir to a larger system

Spigot technology

- Large, comfortable lever controls two flow rates, including continuous flow
- Fits hose connection
- Standard internal Luer taper fits male barb adapter
- Positive hard stop prevents over-tightening, protecting seal

VWR CARBOY WITH VERSATILE CAP TECHNOLOGY

VWR's carboy is an advanced fluid handling system developed with the end-user in mind. The ergonomically designed carboy body is coupled with our VWR Versatile Cap technology to provide the user with an easy to use and easy to clean carboy.

The carboy's body includes design features that allow the user to easily hold and manipulate during lifting, filling and pouring. Features include grips at the bottom, easy to read identification marks and a set of pinched handles at the top that prevent the possibility of fluid-trapping voids.

VWR offer a wide mouth version for easier filling and cleaning. This is available for both the 20 and 40 l carboys.

VWR Versatile Cap technology provides the ultimate in connection flexibility. The leakproof cap adapters enable users to quickly change the top connectors of each carboy to match application needs. Versatile Cap adapters are available in a variety of configurations.





Copolyester carboys

Highly versatile container with distinctive rectangular shape to save valuable bench space. Large handles on top of the container and moulded handles in the base for full, secure grip to make lifting, carrying and pouring easy. Suitable for aqueous solutions, as well as most Life Science buffer solutions.

- Clear, BPA-free, USP Class VI, and FDA grade resin. Volume clearly imprinted on the outside of the bottle
- Large graduation marks certified to $\pm 5\%$ accuracy
- Wide neck (120 mm) version for even easier cleaning
- Fully autoclavable

Leakproof PP Versatile Caps are autoclavable (20 minutes, 15 PSI at 121 °C)

Carboys are supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
2,5	80	216-0828
5	80	216-0612
10	80	216-0619
20	120	216-0632
40	120	216-0639



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|---|---|
| <p>1 Novel shape maximises bench and shelf space</p> <p>2 Bottom handles provide a secure grip while lifting and pouring</p> <p>3 Large top handles for a full hand grip</p> <p>4 Moulded carboy size identification</p> <p>5 Large, clear graduation marks with $\pm 5\%$ accuracy</p> | <p>6 No leak, autoclavable spigot and Versatile Barbs</p> <p>7 Cap technology with adapters and replaceable gaskets</p> <p>8 Carboy body design allows for maximum solution recovery</p> <p>9 Wide mouth version for easy filling and cleaning</p> <p>10 All carboys supplied with closed caps (excludes sanitary carboys)</p> |
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VWR HIGH PERFORMANCE CARBOYS

Open caps (sold separately) are compatible with interchangeable adapters including a wide variety of top connections (PP), including moulded-in and quick-connect hose barbs.

HDPE carboys

Highly versatile container with distinctive rectangular shape to save valuable bench space. Large handles on top of the container and moulded handles in the base for full, secure grip to make lifting, carrying and pouring easy. Excellent chemical resistance - great for liquids, powders and solids.

- Translucent USP Class VI and FDA grade resin
- Volume clearly imprinted on the outside of the bottle
- Large graduation marks certified to $\pm 5\%$ accuracy
- Wide neck (120 mm) version for even easier cleaning

Translucent HDPE carboys

Leakproof polypropylene (PP) Versatile Caps are autoclavable (20 minutes, 15 PSI at 121 °C)

Supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
2,5	80	216-0826
5	80	216-0614
10	80	216-0621
20	80	216-0628
20	120	216-0634
40	120	216-0641



Translucent HDPE carboys with spigot

Models with a spigot are compatible with Versatile Barbs for a variety of tube connections.

Supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
5	80	216-0615
10	80	216-0622
20	80	216-0629
20	120	216-0635
40	120	216-0642



HDPE amber carboys

Designed to protect photosensitive materials.

Carboys are supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
2,5	80	216-0820
5	80	216-0821
10	80	216-0822
20	120	216-0824
40	120	216-0825

Amber HDPE carboys with spigot

Meets USP standards for light transmission making them ideal for storing photosensitive materials. Models with a spigot are compatible with Versatile Barbs for a variety of tube connections.

Carboys are supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
5	80	216-0881
10	80	216-0882
20	120	216-0883
40	120	216-0884



Polypropylene (PP) carboys

Highly versatile container with distinctive rectangular shape to save valuable bench space. Large handles on top of the container and moulded handles in the base for full, secure grip to make lifting, carrying and pouring easy. Good chemical resistance and heat stability – great for liquids, powders and solids.

- Translucent USP Class VI and FDA grade resin
- Volume clearly imprinted on the outside of the bottle
- Large graduation marks certified to $\pm 5\%$ accuracy
- Wide neck (120 mm) version for even easier cleaning
- Fully autoclavable



Translucent PP carboys

Leakproof PP Versatile Caps are autoclavable (20 minutes, 15 PSI at 121 °C)

Supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
2,5	80	216-0827
5	80	216-0610
10	80	216-0616
20	80	216-0623
20	120	216-0630
40	120	216-0636

Translucent PP carboys with spigot

Models with a spigot are compatible with Versatile Barbs for a variety of tube connections.

Supplied individually with a closed Versatile Cap.

Cap. (l)	Thread (mm)	Cat. No.
5	80	216-0611
10	80	216-0617
20	80	216-0624
20	120	216-0631
40	120	216-0637

The following products have all the great benefits of the PP carboy noted above with some additional features.



Translucent PP carboys with 7,6 cm Sanitary Cap

Carboys are supplied individually.

Cap. (l)	Neck Ø (mm)	Cat. No.
10	80	216-0618
20	120	216-0625
40	120	216-0638

Excellent performance for everyday use....

PP carboys: Use for storing and dispensing solutions and media.

- Ideal for sterile water storage
- Can be autoclaved before refilling to stop recurring bacterial growth
- Excellent chemical resistance
- Working temperature: 0 to +135 °C

HDPE carboys: Ideal for storage and transfer of sterile fluids and pharmaceutical/biotech reagents.

- Good for cold storage (down to -80 °C), working temperature +120 to -80 °C
- High impact strength even at negative temperatures
- Widely used for long storage due to high chemical resistance properties
- Widely used in food and milk industries
- Sterile for high purity applications

LDPE carboys: Ideal for use in high purity applications as they have high chemical resistance (e.g. widely used in ophthalmic product ranges, such as eye droppers, nasal sprays etc)

- Preferred resin for cold storage (down to -80 °C), working temperature +80 to -80 °C
- Resistant to physical impact (will not break even if dropped accidentally, whereas PP carboys crack with impact at negative temperatures)
- Highly flexible material - will bounce back to its original shape
- Widely used in pharma industries

Features

- Round carboys come with integrated shoulder handle
- Graduated to identify the volume dispensed
- Polypropylene carboys are autoclavable, LDPE and HDPE carboys are not autoclavable
- Always remove cap and spigot from carboy before autoclaving
- Resin meets US FDA 21 CFR, USP Class VI



Round carboys - a choice of formats

Round carboys

Neck I-Ø: 65 mm

Thread: 83 mm

Cap. (l)	Material	Sterile	Cat. No.
10	HDPE	No	216-1736
10	LDPE	No	216-1704
10	Polypropylene	No	216-1703
20	HDPE	Yes	216-1729
20	LDPE	No	216-1737
20	Polypropylene	No	216-1706
50	LDPE	No	216-1701
50	Polypropylene	No	216-1738

Round carboy, heavy duty

Neck I-Ø: 65 mm

Thread: 83 mm

Cap. (l)	Material	Cat. No.
10	Polypropylene	216-1709
20	Polypropylene	216-1707





Round carboy with spigot

Neck I-Ø: 65 mm

Thread: 83 mm

Cap. (l)	Material	Cat. No.
10	LDPE	216-1731
10	Polypropylene	216-1710
20	LDPE	216-1717
20	Polypropylene	216-1705
50	LDPE	216-1734
50	Polypropylene	216-1718

Round carboy, wide mouth

Neck I-Ø: 85 mm

Thread: 100 mm

Cap. (l)	Material	Cat. No.
10	LDPE	216-1708
10	Polypropylene	216-1730
20	Polypropylene	216-1733



Rectangular carboy with spigot, wide mouth

- Heavy duty stainless steel handle for easy carrying and pouring
- Leakproof under standard test conditions
- Spigots require fitting by hand before use

Cap. (l)	Material	Neck I-Ø (mm)	Thread (mm)	Pk	Cat. No.
10	HDPE	85	100	1	216-1719
10	Polypropylene	85	100	1	216-1735
20	HDPE	85	100	1	216-1700
20	Polypropylene	85	100	1	216-1732

Stopcocks for VWR carboys

Pack consists of spigot, adaptor for tube connection and stopper for long storage. When in use, the spigot must be replaced with stopper. Stopcock is designed to be tightly assembled by hand – no tools needed. Autoclavable resin meets US FDA 21 CFR, USP Class VI.

Supplied as a pack of 6, Cat. No. 216-1745

Replacement caps

Cap for narrow mouth carboy 83 mm: Cat. No. 216-1840

Cap for wide mouth carboy 100 mm: Cat. No. 216-1841

Vented filling cap 83 mm: Cat. No. 216-1842



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