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Find the *EMD Millipore XX6700P10* at our website: *Click HERE*

Chemical Compatibility

The wetted surfaces of the vessel and its supplied components are Type 316 L stainless steel. The cover O-ring supplied with the vessel is Viton-A. The recommended vent/relief valve has a Viton-A seal. You can use fluids compatible with these materials in the vessel.

O-ring Compatibility Guide

	Viton-A
acetone	N
benzene	R
carbon tetrachloride	R
chloroform	R
freon TF or PCA	R
gasoline	R
hexane	R
isopropyl alcohol	R
kerosene	R
mineral spirits	R
petroleum ether	R
petroleum base oils	R
silicone oils	R
trichloroethane	R
trichloroethylene	R
xylene	R
R: recommended, N: not recommended	

Specifications

Materials

Type 316L stainless steel with stainless fittings; Viton gaskets and O-rings; molded neoprene rubber base

Pressure

7 bars (100 psig) maximum; not recommended for use under vacuum without accessory closure

Depyrogenation

If depyrogenation is required, wash the vessel thoroughly with a bactericide and rinse well with sterile, pyrogen-free water.

CAUTION: Subjecting the vessel to the normal depyrogenation procedure of depyrogenation at 250°C (482°F) for 4 to 5 hours will damage the neoprene base of the vessel.

Temperature

121°C (250°F) maximum

Connections

1/4" NPTF

Dimensions

5-liter	229 mm dia. x 241 mm (9 in x 9 1/2 in)
10-liter	229 mm dia. x 352 mm (9 in x 13 7/8 in)
20-liter	229 mm dia. x 595 mm (9 in x 23 7/16 in)

Shipping weight

5-liter	4.6 kg (10.5 lb)
10-liter	6.2 kg (13.75 lb)
20-liter	9.3 kg (20.5 lb)

Technical Assistance

For more information, contact the Millipore office nearest you. In the U.S., call **1-800-MILLIPORE** (1-800-645-5476). Outside the U.S., see your Millipore laboratory catalogue for the phone number of the office nearest you. You can reach us by e-mail at tech_service@millipore.com or visit our web site (www.millipore.com).

Millipore Corporation is pleased to provide internet access to Material Safety Data Sheets (MSDS) for its products that contain hazardous materials. To obtain any MSDS documents that may be associated with this product, go to the MSDS page of our website (www.millipore.com/msds.nsf/home).

Standard Warranty

Millipore Corporation ("Millipore") warrants its products will meet their applicable published specifications when used in accordance with their applicable instructions for a period of one year from shipment of the products. **MILLIPORE MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The warranty provided herein and the data, specifications and descriptions of Millipore products appearing in Millipore's published catalogues and product literature may not be altered except by express written agreement signed by an officer of Millipore. Representations, oral or written, which are inconsistent with this warranty or such publications are not authorized and if given, should not be relied upon.

In the event of a breach of the foregoing warranty, Millipore's sole obligation shall be to repair or replace, at its option, the applicable product or part thereof, provided the customer notifies Millipore promptly of any such breach. If after exercising reasonable efforts, Millipore is unable to repair or replace the product or part, then Millipore shall refund to the customer all monies paid for such applicable product or part. **MILLIPORE SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR ANY OTHER INDIRECT DAMAGES RESULTING FROM ECONOMIC LOSS OR PROPERTY DAMAGE SUSTAINED BY ANY CUSTOMER FROM THE USE OF ITS PRODUCTS.**

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P30133, Rev. B, 02/01

Dispensing Pressure Vessels

ASME-UM Code-Complying

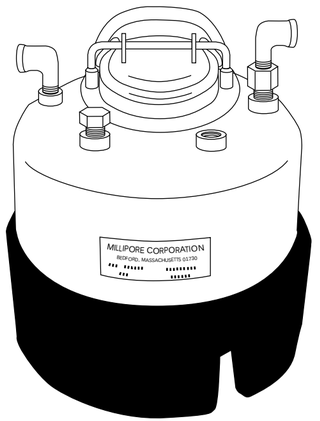
Catalogue Numbers

5 liter XX67 00P 05

10 liter XX67 00P 10

20 liter XX67 00P 20

1 gallon XX67 00P 01



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Introduction

Millipore dispensing pressure vessels are designed for dispensing fluids under pressure for filtration through any pressure-type filter holder. These ASME-UM code-complying vessels are compatible with ASME code-complying vent/relief valves. The portable vessels are available in 5-, 10- and 20-liter, and in 1 gallon capacities.

- All wetted surfaces are made of Type 316L stainless steel for maximum corrosion resistance.
- Inside and outside surfaces are electropolished for ease of cleaning.
- The vessels can withstand positive pressure up to 7 kg/cm^2 (100 psig).
- The safety cover assembly is secured by a cam-lock handle.
- A neoprene rubber cushion provides a skid-free and soft-sounding base.

Each dispensing pressure vessel is supplied with one of each of the following components:

- vessel
- vessel cover
- O-ring (Viton-A™)
- outlet dip-tube
- inlet elbow
- outlet elbow
- pipe plug

Cleaning

1. Before initial use and after each use, disassemble all threaded fittings and rinse the vessel and fittings with laboratory-grade water. For a more thorough cleansing, wash the vessel with a mild, nonabrasive detergent and a soft brush or sponge before rinsing.
2. Air dry all parts before reassembly.

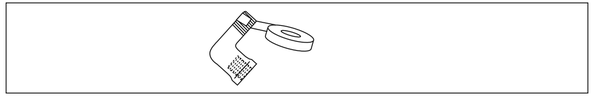
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Using the Dispensing Pressure Vessel

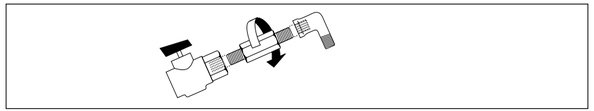
The following steps use optional Hex nipples, vent/relief valves, ball valves, quick-disconnect nipples and couplings and hose connectors, which can be purchased separately. Millipore recommends using the Pressure Vessel Fitting Kit, catalogue number XX67 000 PK, which inludes these items (shown as items g through k in the "Product Ordering Information" diagram).

Using the Dispensing Pressure Vessel, continued

1. Wrap all threaded male fittings with Teflon™ tape and re-assemble the vessel.

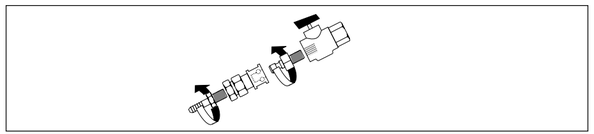


2. Attach one end of a hex nipple to a ball valve and the other end to the outlet elbow fitting of the vessel.



NOTE: Millipore recommends using ball valves on both outlet and inlet sides. A ball valve on the outlet side controls fluid delivery to the filter holder. A ball valve on the inlet side regulates the supply of gas from the pressure source.

3. Attach a barbed hose connector to each ball valve.



NOTE: Millipore recommends using quick-disconnect fittings between the ball valve and the hose connectors to facilitate attachment and detachment to and from the vessel.

4. Connect the appropriately sized tubing to each hose connector and secure with hose clamps.
5. Fill the vessel with the liquid to be filtered.
6. Position the O-ring on the lip of the top side of the vessel cover. Insert the cover into the vessel and rotate the cover to align it with the vessel opening.

Using the Dispensing Pressure Vessel, continued

7. Pull up on the handle to seat the O-ring. Lock the cover in place by forcing the handle down.

WARNING: When using the pressure vessel with a flammable solvent such as isopropyl alcohol, the following safety precautions must be taken:

The pressure vessel must be properly grounded and all grounding connections must be secured before and at all times while dispensing. Proper grounding must be confirmed by verifying electrical continuity between the vessel, dispensing container and the ground.

The vessel must be pressurized with an inert gas such as nitrogen.

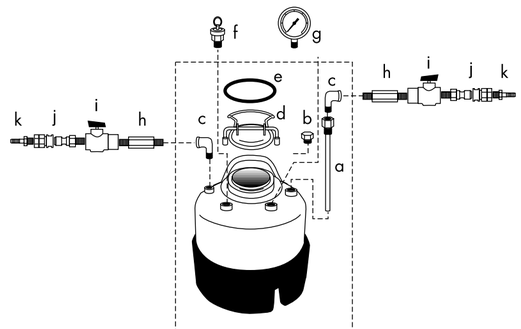
Product Ordering Information

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10 liter		XX67 00P 10
20 liter		XX67 00P 20
1 gallon		XX67 00P 01
Replacement Parts		
Outlet dip-tube	a	
5 liter		6977
10 liter		6978
20 liter		6979
Pipe plug, 1/4" NPT, 316 ss 2/pk	b	YY13 010 09
Elbow, 1/4" NPTM/Female	c	XX67 001 04
Vessel cover, cam-lock	d	6976
O-ring, Viton-A	e	XX67 000 59
Accessories		
Vent/relief valve, 7 bars (100 psig) ASME	f	XX67 00L 24
Pressure gauge, 0-7 bars (160 psig) ASME, 316 ss	g	XX67 00L 15
Pressure gauge, 0-7 bars (0-100 psig)	g	YY13 010 15
Hex nipple, 1/4" NPTM, 51 mm (2 in) length	h	XX67 001 25
Ball valve, 1/4" NPTF,	i	YY20 293 48
Quick-disconnect nipple and coupling, 1/4" NPT	j	XX67 000 30
Hose connector, 1/4" NPTM, 316 ss, 2/pk	k	XX67 00L 11

Product Ordering Information, continued

Description	Catalogue Number
Closure for vacuum use	SD1B 174 V3
PVC tubing, 9.5 mm (3/8 in) I.D., 3 m (10 ft), with 2 ss clamps	XX67 000 34
PVC tubing, 12.5 mm (1/2 in) I.D., 3 m (10 ft), with 2 ss clamps	XX67 000 35
Teflon tape, 12.5 mm (1/2 in) x 6.6 m (260 in)	TP00 013 26
Pressure Vessel Fitting Kit	XX67 000 PK
Pressure Vessel Accessories Kit (use with the Millipore Zero Headspace Extractor; contains 1 of each of the following):	XX67 00P 00
Adapter, 1/8" NPTF to male luer	XX30 025 67
Adapter, 1/4" NPTM to 1/4" tube	XX67 025 07
Ball valve, 1/4" NPTF	YY20 293 48
Hex nipple, 1/4" NPTM, 51 mm (2 ft length)	XX67 001 25
Pressure gauge, 0-7 bar (0-100 psig)	YY13 010 15
Quick disconnect female swagelok 1/4" NPT	YT30 090 13
Quick disconnect nipple and coupling 1/4" NPT	
Tubing, polypropylene 6 mm (1/4 in) O.D., 3 m (10 ft)	XX67 025 08
Vent relief valve, 1/4" NPT	XX67 000 24



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- Inside and outside surfaces are electropolished for ease of cleaning.
- The vessels can withstand positive pressure up to 7 kg/cm^2 (100 psig).
- The safety cover assembly is secured by a cam-lock handle.
- A neoprene rubber cushion provides a skid-free and soft-sounding base.

Each dispensing pressure vessel is supplied with one of each of the following components:

- vessel
- vessel cover
- O-ring (Viton-A™)
- outlet dip-tube
- inlet elbow
- outlet elbow
- pipe plug

Cleaning

1. Before initial use and after each use, disassemble all threaded fittings and rinse the vessel and fittings with laboratory-grade water. For a more thorough cleansing, wash the vessel with a mild, nonabrasive detergent and a soft brush or sponge before rinsing.
2. Air dry all parts before reassembly.

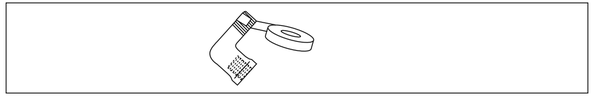
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Using the Dispensing Pressure Vessel

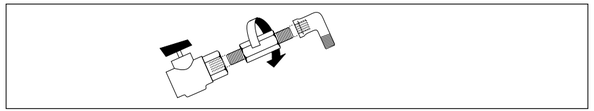
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Using the Dispensing Pressure Vessel, continued

1. Wrap all threaded male fittings with Teflon™ tape and re-assemble the vessel.

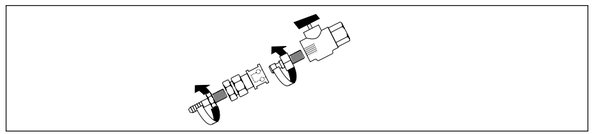


2. Attach one end of a hex nipple to a ball valve and the other end to the outlet elbow fitting of the vessel.



NOTE: Millipore recommends using ball valves on both outlet and inlet sides. A ball valve on the outlet side controls fluid delivery to the filter holder. A ball valve on the inlet side regulates the supply of gas from the pressure source.

3. Attach a barbed hose connector to each ball valve.



NOTE: Millipore recommends using quick-disconnect fittings between the ball valve and the hose connectors to facilitate attachment and detachment to and from the vessel.

4. Connect the appropriately sized tubing to each hose connector and secure with hose clamps.
5. Fill the vessel with the liquid to be filtered.
6. Position the O-ring on the lip of the top side of the vessel cover. Insert the cover into the vessel and rotate the cover to align it with the vessel opening.

Using the Dispensing Pressure Vessel, continued

7. Pull up on the handle to seat the O-ring. Lock the cover in place by forcing the handle down.

WARNING: When using the pressure vessel with a flammable solvent such as isopropyl alcohol, the following safety precautions must be taken:

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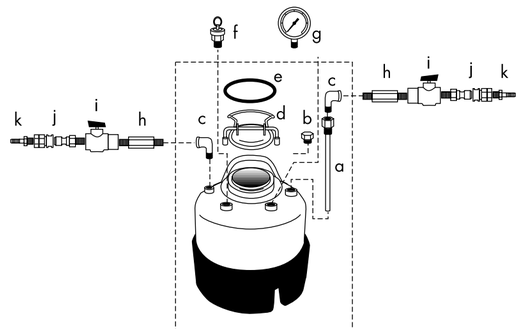
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10 liter		XX67 00P 10
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Outlet dip-tube	a	
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10 liter		6978
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Pipe plug, 1/4" NPT, 316 ss 2/pk	b	YY13 010 09
Elbow, 1/4" NPTM/Female	c	XX67 001 04
Vessel cover, cam-lock	d	6976
O-ring, Viton-A	e	XX67 000 59
Accessories		
Vent/relief valve, 7 bars (100 psig) ASME	f	XX67 00L 24
Pressure gauge, 0-7 bars (160 psig) ASME, 316 ss	g	XX67 00L 15
Pressure gauge, 0-7 bars (0-100 psig)	g	YY13 010 15
Hex nipple, 1/4" NPTM, 51 mm (2 in) length	h	XX67 001 25
Ball valve, 1/4" NPTF,	i	YY20 293 48
Quick-disconnect nipple and coupling, 1/4" NPT	j	XX67 000 30
Hose connector, 1/4" NPTM, 316 ss, 2/pk	k	XX67 00L 11

Product Ordering Information, continued

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PVC tubing, 12.5 mm (1/2 in) I.D., 3 m (10 ft), with 2 ss clamps	XX67 000 35
Teflon tape, 12.5 mm (1/2 in) x 6.6 m (260 in)	TP00 013 26
Pressure Vessel Fitting Kit	XX67 000 PK
Pressure Vessel Accessories Kit (use with the Millipore Zero Headspace Extractor; contains 1 of each of the following):	XX67 00P 00
Adapter, 1/8" NPTF to male luer	XX30 025 67
Adapter, 1/4" NPTM to 1/4" tube	XX67 025 07
Ball valve, 1/4" NPTF	YY20 293 48
Hex nipple, 1/4" NPTM, 51 mm (2 ft length)	XX67 001 25
Pressure gauge, 0-7 bar (0-100 psig)	YY13 010 15
Quick disconnect female swagelok 1/4" NPT	YT30 090 13
Quick disconnect nipple and coupling 1/4" NPT	
Tubing, polypropylene 6 mm (1/4 in) O.D., 3 m (10 ft)	XX67 025 08
Vent relief valve, 1/4" NPT	XX67 000 24



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- vessel
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- outlet dip-tube
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Cleaning

1. Before initial use and after each use, disassemble all threaded fittings and rinse the vessel and fittings with laboratory-grade water. For a more thorough cleansing, wash the vessel with a mild, nonabrasive detergent and a soft brush or sponge before rinsing.
2. Air dry all parts before reassembly.

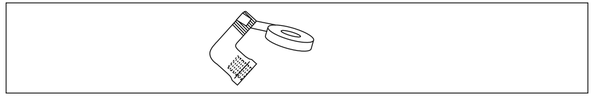
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Using the Dispensing Pressure Vessel

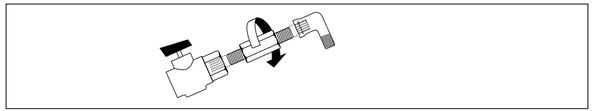
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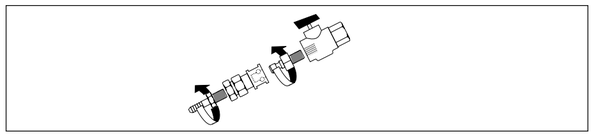


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NOTE: Millipore recommends using quick-disconnect fittings between the ball valve and the hose connectors to facilitate attachment and detachment to and from the vessel.

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5. Fill the vessel with the liquid to be filtered.
6. Position the O-ring on the lip of the top side of the vessel cover. Insert the cover into the vessel and rotate the cover to align it with the vessel opening.

Using the Dispensing Pressure Vessel, continued

7. Pull up on the handle to seat the O-ring. Lock the cover in place by forcing the handle down.

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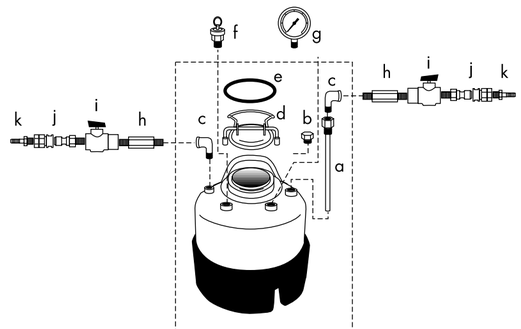
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Pressure gauge, 0-7 bars (160 psig) ASME, 316 ss	g	XX67 00L 15
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Hex nipple, 1/4" NPTM, 51 mm (2 in) length	h	XX67 001 25
Ball valve, 1/4" NPTF,	i	YY20 293 48
Quick-disconnect nipple and coupling, 1/4" NPT	j	XX67 000 30
Hose connector, 1/4" NPTM, 316 ss, 2/pk	k	XX67 00L 11

Product Ordering Information, continued

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Teflon tape, 12.5 mm (1/2 in) x 6.6 m (260 in)	TP00 013 26
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Ball valve, 1/4" NPTF	YY20 293 48
Hex nipple, 1/4" NPTM, 51 mm (2 ft length)	XX67 001 25
Pressure gauge, 0-7 bar (0-100 psig)	YY13 010 15
Quick disconnect female swagelok 1/4" NPT	YT30 090 13
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Tubing, polypropylene 6 mm (1/4 in) O.D., 3 m (10 ft)	XX67 025 08
Vent relief valve, 1/4" NPT	XX67 000 24



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Cleaning

1. Before initial use and after each use, disassemble all threaded fittings and rinse the vessel and fittings with laboratory-grade water. For a more thorough cleansing, wash the vessel with a mild, nonabrasive detergent and a soft brush or sponge before rinsing.
2. Air dry all parts before reassembly.

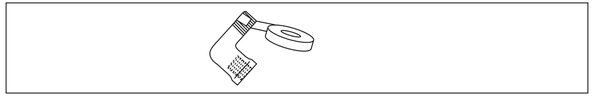
CAUTION: If salt solutions were used in the vessel, rinse thoroughly to prevent corrosion of the vessel and fittings.

Using the Dispensing Pressure Vessel

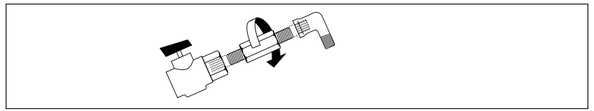
The following steps use optional Hex nipples, vent/relief valves, ball valves, quick-disconnect nipples and couplings and hose connectors, which can be purchased separately. Millipore recommends using the Pressure Vessel Fitting Kit, catalogue number XX67 000 PK, which inludes these items (shown as items g through k in the "Product Ordering Information" diagram).

Using the Dispensing Pressure Vessel, continued

1. Wrap all threaded male fittings with Teflon™ tape and re-assemble the vessel.

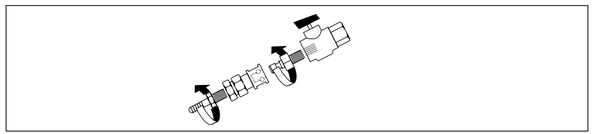


2. Attach one end of a hex nipple to a ball valve and the other end to the outlet elbow fitting of the vessel.



NOTE: Millipore recommends using ball valves on both outlet and inlet sides. A ball valve on the outlet side controls fluid delivery to the filter holder. A ball valve on the inlet side regulates the supply of gas from the pressure source.

3. Attach a barbed hose connector to each ball valve.



NOTE: Millipore recommends using quick-disconnect fittings between the ball valve and the hose connectors to facilitate attachment and detachment to and from the vessel.

4. Connect the appropriately sized tubing to each hose connector and secure with hose clamps.
5. Fill the vessel with the liquid to be filtered.
6. Position the O-ring on the lip of the top side of the vessel cover. Insert the cover into the vessel and rotate the cover to align it with the vessel opening.

Using the Dispensing Pressure Vessel, continued

7. Pull up on the handle to seat the O-ring. Lock the cover in place by forcing the handle down.

WARNING: When using the pressure vessel with a flammable solvent such as isopropyl alcohol, the following safety precautions must be taken:

The pressure vessel must be properly grounded and all grounding connections must be secured before and at all times while dispensing. Proper grounding must be confirmed by verifying electrical continuity between the vessel, dispensing container and the ground.

The vessel must be pressurized with an inert gas such as nitrogen.

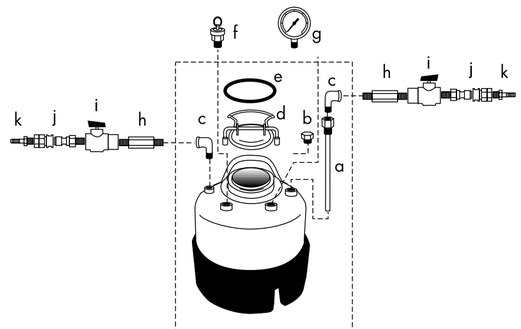
Product Ordering Information

This section lists the catalogue numbers for the Dispensing pressure vessels. See the Technical Assistance section for information about contacting Millipore. You can also buy Millipore products on-line at www.millipore.com/purecommerce.

Description	Key	Catalogue Number
Dispensing pressure vessels		
5 liter		XX67 00P 05
10 liter		XX67 00P 10
20 liter		XX67 00P 20
1 gallon		XX67 00P 01
Replacement Parts		
Outlet dip-tube	a	
5 liter		6977
10 liter		6978
20 liter		6979
Pipe plug, 1/4" NPT, 316 ss 2/pk	b	YY13 010 09
Elbow, 1/4" NPTM/Female	c	XX67 001 04
Vessel cover, cam-lock	d	6976
O-ring, Viton-A	e	XX67 000 59
Accessories		
Vent/relief valve, 7 bars (100 psig) ASME	f	XX67 00L 24
Pressure gauge, 0-7 bars (160 psig) ASME, 316 ss	g	XX67 00L 15
Pressure gauge, 0-7 bars (0-100 psig)	g	YY13 010 15
Hex nipple, 1/4" NPTM, 51 mm (2 in) length	h	XX67 001 25
Ball valve, 1/4" NPTF,	i	YY20 293 48
Quick-disconnect nipple and coupling, 1/4" NPT	j	XX67 000 30
Hose connector, 1/4" NPTM, 316 ss, 2/pk	k	XX67 00L 11

Product Ordering Information, continued

Description	Catalogue Number
Closure for vacuum use	SD1B 174 V3
PVC tubing, 9.5 mm (3/8 in) I.D., 3 m (10 ft), with 2 ss clamps	XX67 000 34
PVC tubing, 12.5 mm (1/2 in) I.D., 3 m (10 ft), with 2 ss clamps	XX67 000 35
Teflon tape, 12.5 mm (1/2 in) x 6.6 m (260 in)	TP00 013 26
Pressure Vessel Fitting Kit	XX67 000 PK
Pressure Vessel Accessories Kit (use with the Millipore Zero Headspace Extractor; contains 1 of each of the following):	XX67 00P 00
Adapter, 1/8" NPTF to male luer	XX30 025 67
Adapter, 1/4" NPTM to 1/4" tube	XX67 025 07
Ball valve, 1/4" NPTF	YY20 293 48
Hex nipple, 1/4" NPTM, 51 mm (2 ft length)	XX67 001 25
Pressure gauge, 0-7 bar (0-100 psig)	YY13 010 15
Quick disconnect female swagelok 1/4" NPT	YT30 090 13
Quick disconnect nipple and coupling 1/4" NPT	
Tubing, polypropylene 6 mm (1/4 in) O.D., 3 m (10 ft)	XX67 025 08
Vent relief valve, 1/4" NPT	XX67 000 24



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Chemical Compatibility

The wetted surfaces of the vessel and its supplied components are Type 316 L stainless steel. The cover O-ring supplied with the vessel is Viton-A. The recommended vent/relief valve has a Viton-A seal. You can use fluids compatible with these materials in the vessel.

O-ring Compatibility Guide

	Viton-A
acetone	N
benzene	R
carbon tetrachloride	R
chloroform	R
freon TF or PCA	R
gasoline	R
hexane	R
isopropyl alcohol	R
kerosene	R
mineral spirits	R
petroleum ether	R
petroleum base oils	R
silicone oils	R
trichloroethane	R
trichloroethylene	R
xylene	R
R: recommended, N: not recommended	

Specifications

Materials

Type 316L stainless steel with stainless fittings; Viton gaskets and O-rings; molded neoprene rubber base

Pressure

7 bars (100 psig) maximum; not recommended for use under vacuum without accessory closure

Depyrogenation

If depyrogenation is required, wash the vessel thoroughly with a bactericide and rinse well with sterile, pyrogen-free water.

CAUTION: Subjecting the vessel to the normal depyrogenation procedure of depyrogenation at 250°C (482°F) for 4 to 5 hours will damage the neoprene base of the vessel.

Temperature

121°C (250°F) maximum

Connections

1/4" NPTF

Dimensions

5-liter	229 mm dia. x 241 mm (9 in x 9 1/2 in)
10-liter	229 mm dia. x 352 mm (9 in x 13 7/8 in)
20-liter	229 mm dia. x 595 mm (9 in x 23 7/16 in)

Shipping weight

5-liter	4.6 kg (10.5 lb)
10-liter	6.2 kg (13.75 lb)
20-liter	9.3 kg (20.5 lb)

Technical Assistance

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Dispensing Pressure Vessels

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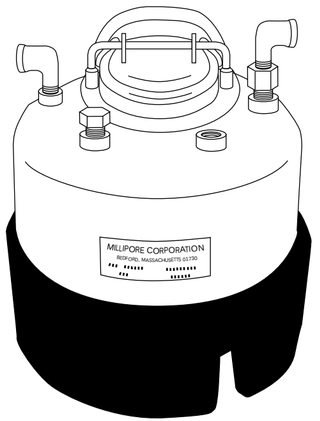
Catalogue Numbers

5 liter XX67 00P 05

10 liter XX67 00P 10

20 liter XX67 00P 20

1 gallon XX67 00P 01



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O-ring Compatibility Guide

	Viton-A
acetone	N
benzene	R
carbon tetrachloride	R
chloroform	R
freon TF or PCA	R
gasoline	R
hexane	R
isopropyl alcohol	R
kerosene	R
mineral spirits	R
petroleum ether	R
petroleum base oils	R
silicone oils	R
trichloroethane	R
trichloroethylene	R
xylene	R
R: recommended, N: not recommended	

Specifications

Materials

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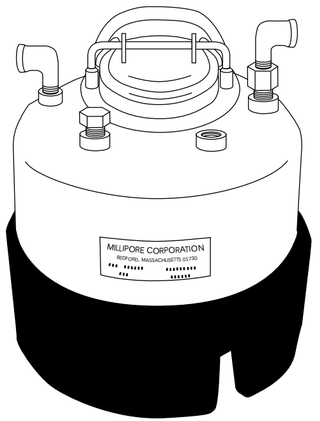
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mineral spirits	R
petroleum ether	R
petroleum base oils	R
silicone oils	R
trichloroethane	R
trichloroethylene	R
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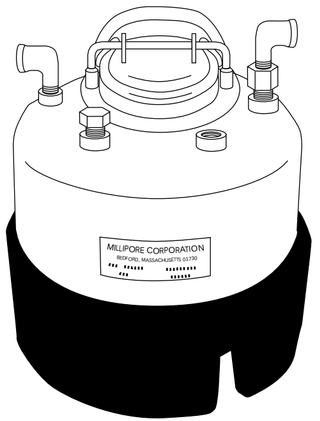
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