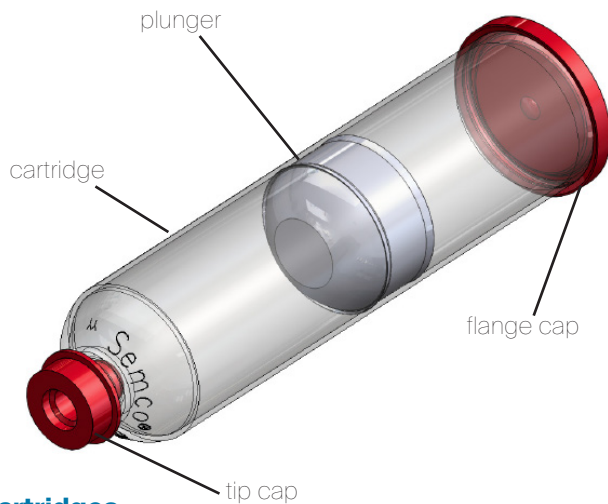


Cartridge assemblies

Description

SEMCO® cartridge assemblies are a unique collection of packaging components designed for customized storage and application of chemical fluid systems. These assemblies include a plastic cartridge, rear plunger, cartridge tip cap, and a rear flange cap. These assembly components are made from polyethylene (PE)-based plastic resins for compatibility over a wide range of chemistries. The cartridges are designed to work directly with a Semco application gun for direct material extrusion and application.



Cartridges

Our disposable plastic cartridges are made from either low-density (LD) or high-density (HD) natural PE. They are available in a variety of capacities including 1, 2.5, 6, 8, 12, 20, or 32 oz. as well as 1/10th gallon and are also offered in customized colors. All sizes are designed to accept 1/4" NPT fittings. Black cartridges are available for materials requiring protection from both visible and UV light.



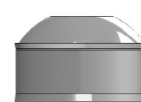
Item description	Part number	Material	Typical weight (g)
1 oz. LD cartridge	220307	LDPE	12.5
1 oz. HD cartridge	233222	HDPE	12.6
2.5 oz. LD cartridge	220315	LDPE	16.8
2.5 oz. HD cartridge	220316	HDPE	17.6
2.5 oz. HD cartridge (black)	234845	HDPE	17.6
6 oz. LD cartridge	220317	LDPE	29.1
6 oz. HD cartridge (black)	233225	HDPE	29.5
8 oz. LD cartridge	220319	LDPE	39.7
8 oz. HD cartridge	220320	HDPE	40.4
12 oz. LD cartridge	220321	LDPE	49.6
12 oz. HD cartridge (black)	220322	HDPE	50.5
20 oz. HD cartridge (black)	234376	HDPE	73.3
32 oz. LD cartridge	232921	LDPE	144.9
32 oz. HD cartridge (black)	235175	HDPE	146.5
1/10 gallon LD	230285	LDPE	50.3
1/10 gallon HD	229689	HDPE	50.3
1/10 gallon HD (black)	233175	HDPE	50.3

Plungers

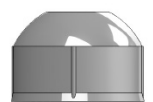
Semco offers precision-molded plungers that are specially designed to fit the contour of our cartridges, assuring complete dispensing of material and eliminating waste. They are available in standard (P), PRS, and wiper variations (WP).



P-plunger



WP-plunger



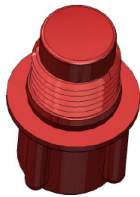
PRS-plunger

Item description	Part number	Material	Typical weight (g)
1 oz. WP-plunger LD	232364	LDPE	2.8
P-plunger LD (black)	220252	LDPE	4.5
WP-plunger LD	220259	LDPE	4.7
WP-plunger HD (black)	233261	HDPE	5.0
PRS-plunger LD	234414	LDPE	5.4
20/32 oz. WP-plunger LD	229221	LDPE	18.4
20/32 oz. WP-plunger LD (black)	235054	LDPE	19.1
20/32 oz. WP-plunger HD	232374	HDPE	18.9
1/10 gallon WP-plunger LD	229756	LDPE	7.0

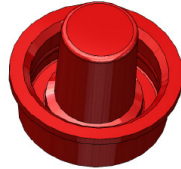
Cartridge assemblies

Tip caps

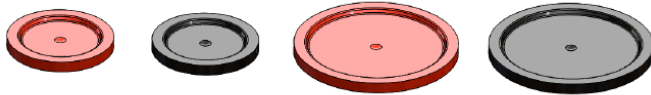
A variety of types of tip and rear seals are available for our cartridge assemblies. The TS model tip cap seals at three places in the threaded neck to prevent leakage, while the T and TC models actually thread into the cartridge's neck. The S model fits over the threaded end of the cartridge and the F cap is designed to fit securely over the flange at the back end of the cartridge in order to ensure retention of the plunger during shipping and storage while also preventing contamination.



threaded cap



tri-seal (TS) cap



flange caps (assorted sizes and colors)

Typical properties¹

Resin chemistry (caps/cartridges)	polyethylene (PE)
Resting shelf life	36 months, minimum
Storage temperature	-40-120°F (-40-49°C)
Operation temperature	50-100°F (10-38°C)
Operating pressure, maximum	100 psi (689 kPa) @RT

¹ - data applicable when used with *Semco* retainer and under typical application conditions

For industrial use only. Keep away from children.

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+1 (800) AEROMIX (237-6649).

For additional information or inquiries outside the United States, please visit our website: www.ppgaerospace.com

Item description	Part number	Material	Typical weight (g)
1 oz. F-cap (red)	232452	LDPE	1.6
F-cap (red)	220238	LDPE	2.9
F-cap (black)	233263	LDPE	2.9
1/10 gallon F-cap (red)	230502	LDPE	3.5
20/32 oz. F-cap (red)	230586	LDPE	9.5
20/32 oz. F-cap (black)	234401	LDPE	9.5
S tip cap (red)	220257	LDPE	0.9
TS tip cap (red)	220245	LDPE	1.9
Threaded cap (red)	234411	PP	2.0

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Printed in the U.S.A.

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Issue Date: 05/17
Supersedes: 01/17
Lit: 4540