

# Durable and Refillable Media Vessels



**FDA**  
Compliant Materials

**PED**  
Compliant  
Article 4, Paragraph 3  
Group 2 Liquids



## Optional Extras

### Easy Filling

**SV-FKFUNNEL**

For use with both the Premier and Standard PV's. This funnel has an integrated central plug to make vessel filling easier and safer by reducing spillage and filling errors.



### Customisation

**SVHEAD-DSCOMPLETE**  
**PVHEAD-DSCOMPLETE**

Standard Pressure Vessels can be used with both Standard and Premier heads and distribution systems to provide flexibility of port size and type. The Standard head has a 3/4" female port, while the Premier head is available with 1/2", 3/4" or 1" male ports.



## Standard Pressure Vessel

**SV-FK**

Constructed from food grade high density polyethylene (HDPE) and reinforced with fibreglass for added strength, temperature and pressure ratings, the vessels set a new standard delivering consistent performance and value for money. SPECTRUM's portfolio includes media volumes ranging from 3.6 litres to 105 litres providing a suitable product for various applications. Standard Pressure Vessels are constructed to be compatible with Premier and Standard heads and distribution systems.

## Key Features

- All water contact parts manufactured from food grade materials.
- Cycle pressure tested 100,000 times at 10.5 bar to ensure reliability.
- Pressure tested to 42 bar – 4 times the maximum operating pressure.
- Individually boxed to assist storage, handling, and transportation with product lot-coding for traceability and tracking.
- In order to eliminate media migration during regeneration or backwashing, the Standard head has an upper screen glued into place, whilst the premier head implements a twist-lock mechanism.

## Diagram



## Specification

Operating Temperature	1 - 50°C
Working Pressure	10.5 bar
Port Size (")	¾ (SV-HEAD) ½, ¾ & 1 (PV-HEAD)
Neck Size	2.5

## Materials of Construction

**Vessel**  
Fibreglass

**Vessel Liner**  
High Density Polypropylene (HDPE)

**Neck Insert Thread**  
High Density Polypropylene (HDPE)

## Part Number

	Tank Diameter (")	Tank Height (")
SV-FK	6	13,18
	7	17,30,35
	8	17,22,35,44
	10	35,44,54
	11	44
	13	44,54

# Standard Pressure Vessel

## Vessel Only

All SPECTRUM Standard Pressure Vessels are available as the vessel only to be paired with specialist distribution systems and control valves. Customising the vessel for basic operation is simply achieved with the addition of a head and distribution system. Vessels only come with a base and 2 ½" threaded neck and are packaged individually for secure transportation.

### Distribution Systems

Code	Length (")
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Standard Pressure Vessel Head, ¾" Female Ports, 2.5" Neck Thread with Upper and Lower Screen and Riser Tube

SVH-AD-DSCOMPLETE	13, 17, 18, 22, 30, 35, 44, 54
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e.g. SVHEAD-DSCOMPLETE-18

Premier Pressure Vessel Head, 2.5" Neck Thread with Upper and Lower Screen and Riser Tube

PVH-AD-DSCOMPLETE	13, 17, 18, 22, 30, 35, 44, 54
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e.g. PVHEAD-DSCOMPLETE-22

### Heads and Components

Code	Size (")
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Premier Pressure Vessel Head, 2.5 Neck Thread with optional Male Adaptors

PV-PK-2.5HEAD	-
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Premier Pressure Vessel Head Male Adaptors (Two required per Premier Head)

V-ADAPTOR	½, ¾, 1
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Standard Pressure Vessel Head Internal Riser Tube O-ring Buna-N

SV-ORING1-B	-
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Standard Pressure Vessel Head O-ring Buna-N

SV-ORING2-B	-
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### Standard - Vessel Only

Code	Tank Size (")	Dimension (mm)		Volume (l)	
		Diameter	Height	100% Filled (Carbon)	80% Filled (Resin)
SV-FK-613	6 x 13	165	336	4.6	3.6
SV-FK-618	6 x 18	165	463	6.8	5.4
SV-FK-717	7 x 17	190	437	8.5	6.8
SV-FK-730	7 x 30	190	768	15.8	12.6
SV-FK-735	7 x 35	190	896	19.1	15.3
SV-FK-817	8 x 17	215	437	10.5	8.4
SV-FK-822	8 x 22	215	555	14.4	11.5
SV-FK-835	8 x 35	215	897	23.6	18.9
SV-FK-844	8 x 44	215	1122	31.3	25.0
SV-FK-1035	10 x 35	268	893	38.3	30.6
SV-FK-1044	10 x 44	268	1121	48.8	39.0
SV-FK-1054	10 x 54	268	1381	61.0	48.8
SV-FK-1144	11 x 44	295	1130	59.8	47.8
SV-FK-1344	13 x 44	349	1145	84.8	67.8
SV-FK-1354	13 x 54	349	1398	105.7	84.6

# Complete Kit

Complete Standard Pressure Vessels are achieved by adding the standard head, riser tube, upper and lower screen forming the full distribution system. The screens are bonded in place to eliminate resin migration. The distribution system is pre-fitted into the vessel itself, filling the vessel is then a simple task allowing the water treatment set up to be up and running with minimal expertise being required.



## Standard - Complete Kit

Code	Tank Size (")	Dimension (mm)		Volume (l)	
		Diameter	Height	100% Filled (Carbon)	80% Filled (Resin)
SV-FK-613-C	6 x 13	165	382	4.6	3.6
SV-FK-618-C	6 x 18	165	509	6.8	5.4
SV-FK-717-C	7 x 17	190	483	8.5	6.8
SV-FK-730-C	7 x 30	190	814	15.8	12.6
SV-FK-735-C	7 x 35	190	942	19.1	15.3
SV-FK-817-C	8 x 17	215	483	10.5	8.4
SV-FK-822-C	8 x 22	215	601	14.4	11.5
SV-FK-835-C	8 x 35	215	943	23.6	18.9
SV-FK-844-C	8 x 44	215	1168	31.3	25.0
SV-FK-1035-C	10 x 35	268	939	38.3	30.6
SV-FK-1044-C	10 x 44	268	1167	48.8	39.0
SV-FK-1054-C	10 x 54	268	1427	61.0	48.8
SV-FK-1144-C	11 x 44	295	1176	59.8	47.8
SV-FK-1344-C	13 x 44	349	1191	84.8	67.8
SV-FK-1354-C	13 x 54	349	1444	105.7	84.6