



SPECTRUM

SPECTRUM Premier Pressure Vessel

Operating Manual

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Contents

1. General application	2
2. Filling Instruction	3
3. Installation and Start-up.....	4
4. Change resin	4
5. Disposal / regeneration of the resin	4

1. General application

The new SPECTRUM pressure vessel utilizes a revolutionary integrated, top and bottom plate distribution system to give up to 30% higher resin efficiencies than standard systems allow.

When the treatment of large volumes of water and other liquids is required, the SPECTRUM premier pressure vessel offers outstanding value for money, returning excellent resin savings. Enabling 100% of the resin to be used, the vessel comes with a new integrated distribution system to maximise the resin's full capacity and reduce resin channelling.

Key Product Features

- **Integrated distribution** - Not only does the special distribution system allow for higher resin yields, up to 30% more, but also saves time and money during servicing eliminating the need to re-bed the distribution system.
- **High resin efficiency** - The design of the integrated distribution system means greater resin efficiency by eliminating top and bottom dead zones while also removing the likelihood of channelling.
- **Food safe** - Made from 100% non-toxic recycled polypropylene materials, the pressure vessel is guaranteed food safe.
- **Maintenance made simple** - With a unique resin refill system, media changes for the SPECTRUM pressure vessels are quick and simple to do.
- **Improved performance** - Constructed from injection-moulded, thermally-welded polypropylene, the tank's strength is superior to composite vessels offering enhanced durability.



Product Information

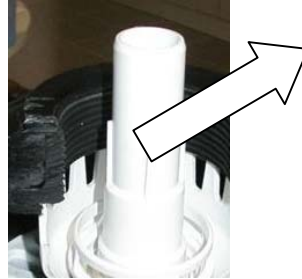
Product Code	Size (")	Volume (litres)
PV-PK-717	7 x 17	4.7
PV-PK-817	8 x 17	5.6
PV-PK-835	8 x 35	17.8

2. Filling Instruction

1. Remove adapter head



2. Remove pipe adapter



3. Remove plug and flat sealing



4. Position resin funnel on distribution pipe



5. Fill in resin
6. Remove resin funnel
7. Re-install plug with flat sealing
8. Replace adapter tube on flat sealing
9. Screw on adapter head



Note

O-ring seals should be slightly greased before installation!

3. Installation and Start-up

- Install tubing connector on $\frac{3}{4}$ " adapter head
- Connect inlet tubing with feed water connection and the outlet tubing with the drain.
- Open feed water supply and rinse resin for minimum 3 minutes (rinsing water volume around 3 x resin volume). After rinsing check whether drain water is already clear, if not keep on rinsing until product water is clear.
- The outlet tubing of the vessels may now be connected to the nozzle of your water treatment system.



Note

Flow direction is marked with an arrow on the distribution head!

- Check connection tubings and adapter head for leakages.
- Installation and Start-up is now complete.

4. Change resin

- Turn of tap water connection.
- Remove connections of the Resin vessel in- and outlet ports.
- Remove adapter head. Follow steps 1-3 of filling instruction.
- Pour the resin into a collection tray.
- Refill the vessel following chapter 4.



Tip

Using additional water facilitates removing resin from the vessel

5. Disposal / regeneration of the resin

Please follow the instructions of the resin manufacturer.