



External Booster Pump Boxes

with Auto-Flush

Models X845, X855

Companion Devices
and Upgrade Option for
Residential and Commercial
Reverse Osmosis Water Filtration Systems

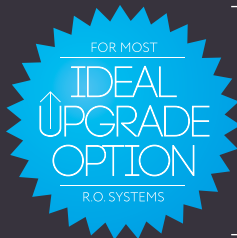


These advanced and innovative booster pump boxes were designed for 35-500 GPD rated reverse osmosis water filtration systems for use in areas with low water pressure, or for users that want maximum performance and the best quality filtered water from their R.O. systems.

These digital control valve and booster pump boxes give you multiple benefits such as

- increased production rate of your R.O. system,
- better purification,
- less water waste,
- longer membrane and pre-filters service life.

They are ideal companion devices and an upgrade option for your existing R.O. machine and let you save on various costs related to its everyday use and maintenance.



Highly recommended for use with most* R.O. systems without pump as a quick and affordable upgrade. Easy installation, no special training or personnel or tools required.

Since the most difficult steps of your R.O. machine setup were already done, namely an adapter valve, a faucet and a drain saddle are all installed, you only need to (re)connect a few tubes to add our Booster Pump Box to your system.

Result:

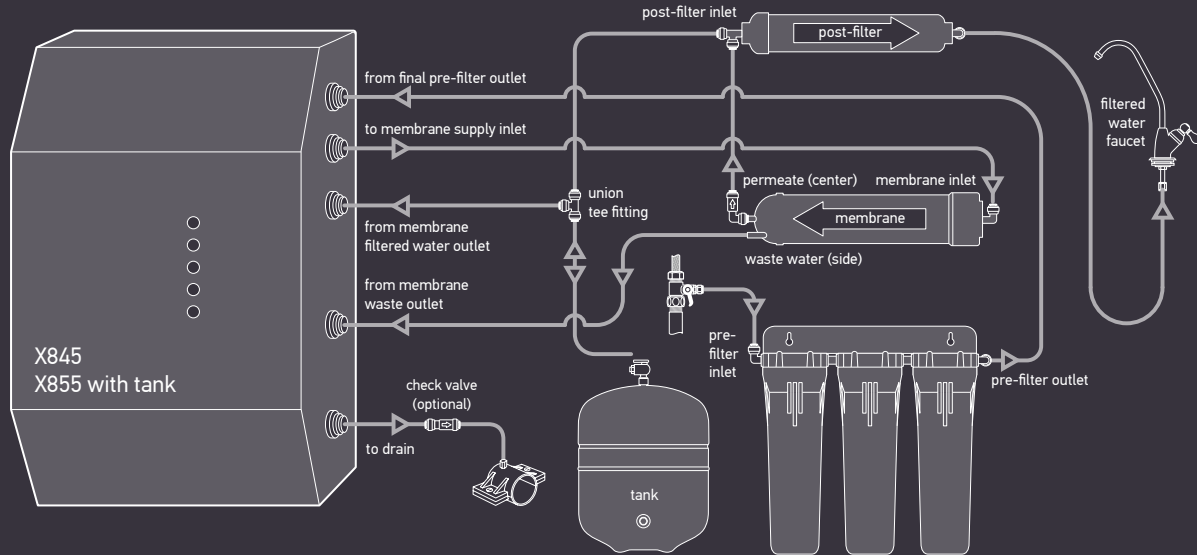
- Cleaner water
- Shorter storage tank refill time
- Lower water costs on your utility bill
- Less frequent membrane and pre-filter change

Key Features:

- Automatic flush valve prevents the scale and debris buildup on the membrane outer surface: for peak performance and healthier membrane.
- Powerful pump boosts the pressure to radically improve your R.O. machine's daily production rate, membrane's rejection rate and recovery rate. It's a totally new level of performance and effectiveness.
- Prolongs the membrane and pre-filter(s) service life due to increased recovery rate.
- Fully automatic operation, no service necessary: plug and forget.
- LED indicators: easily understand what the state of your R.O. unit is. Ever wondered whether your tank is full or empty? No more guess!
- Split, flexible installation possible where needed: install the pump box up to 50 feet away from the R.O. unit itself. Useful for the situations like lack of space or lack of electrical outlet under the sink.
- Allows full separation of electrical components from the membrane and filters of the main R.O. unit that makes the regular servicing of your R.O. machine both easy and safe: no need to worry about electrical valves and wires while changing your water filters or membrane.
- No-inlet-water protection, idling protection.
- Quick-fittings for easier tube connections.

With X855 model you may even turn your old system into a modern direct flow high-production R.O. machine with unbeaten water freshness, efficiency and further cost savings.

How to Upgrade Conventional R.O. System**



After the installation use your R.O. system as you normally would. If your tank is not full the unit will turn on automatically and fill it up with filtered water. Then it will flush the membrane and shut off automatically. If you open the faucet and take some filtered water from the tank the pump will turn on automatically to refill the tank again.

LED Indicators

	no source
	working
	ready
	flush
	reset



Important: if your R.O. machine includes 4-way shut off valve (control valve), flow restrictor, manual flush valve remove them on the R.O. system itself. The unit's internal components will be used to provide the same or enhanced functionality.

* See the product manual for further details, safety information, operating requirements and possible limitations.

** For upgrade procedure to a direct flow R.O. system please refer to the product manual for details.

Feature Comparison

Feature \ Model	X845	X855
Designed for Membrane Production Rating, GPD	35–100	150–500
Auto-Flush Valve	✓	✓
Fully Automatic Operation	✓	✓
LED Indicators	✓	✓
No-Inlet-Water Protection	✓	✓
Idling Protection	✓	✓
Tubing Connections	1/4"	1/4"
Suitable for Systems with Storage Tank	✓	✓
Recommended Storage Tank*** Total Volume (Holding Capacity), Gallons	2–4.5 (1–2.8)	5–20 (3–11)
Suitable for Direct Flow Systems ("Tankless")		✓

*** Estimation only. Depends on membrane production rating.

Size (WDH), body only, excluding protrusions:
 8.74 x 4.80 x 12.44" (222 x 122 x 316 mm)
 Electrical input: AC 100–240V 50/60 Hz

Weight, without water and tubing:

- 8.2 lbs (3.7 kg) for X845;
- 8.6 lbs (3.9 kg) for X855



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