## SASTEC RO reverse osmosis water system (Tap water inlet)

**Specifications:**

- SASTEC RO series is economic choice for general washing pure water.
- It has 2 output, 15 or 30 liters/hour.
- Its ion rejection rate: 96%-99%(new RO membrane), organic rejection rate >99% (when mw>200 dalton), particles and bacteria rejection rate >99%.
- It meets the requirements of general glassware washing.
- It is suitable for feed of ultrapure water system, autoclave sterilizer, constant temperature and humidity chamber, salt spray test chamber, dampening machine and etc.

### Applications:

- Feed of ultrapure water system
- Components washing
- Feed of autoclave sterilizer, constant temperature and humidity chamber, salt spray test chamber, dampening machine and etc.
- Glassware washing
- Aquiculture

| Specification of SASTEC RO reverse osmosis water system (Tap water inlet) | | |
|---|---|---|
| Model | ST-RO15 | ST-RO30 |
| Feed water requirements | Tap water: TDS<200 ppm, 5-45 , 1.0-4.0Kgf/cm2 (Extra pretreatment filter is recommended, if TDS>200ppm) | |
| Flow procedure** | PF+AC+RO+AC | |
| RO water quality: — Ion rejection rate | 96%-99% (New RO membrane) | |
| Organic rejection rate | >99%, when MW>200 Dalton | |
| Particles and bacteria rejection rate | >99% | |
| Bacteria | <0.1cfu/ml (with optional 0.45+0.1 m PES terminal filter) | |
| Particles(>0.2μm) | <1/ml (with optional 0.45+0.1 m PES terminal filter) | |
| Output(25 )*** | 15 Liters/ Hour | 30 Liters/ Hour |
| Flow rate | 2.0 Liters/ Minute (with Pressure Tank) | |
| Pure water outlet | 1: RO water | |
| Dimension | 410L × 220W × 420H mm | |
| Weight | About 20Kg | |
| Electric requirements | AC110-220V, 50/ 60Hz, 48W | AC110-220V, 50/ 60Hz, 72W |
| Water quality monitor | Portable TDS/conductivity test pen | |
| Standard configuration | Main body (Including 1 set of cartridges)+15 liters tank+ TDS pen +accessory bag | |

- \* The feed water quality will influence the pure water's quality and cartridges' life-span.
- \* PF : Polypropylene Spun Fiber
  - AC : Active Carbon
  - RO : Reverse Osmosis
- \* All the specifications are tested under the situation: Feed water's TDS=200ppm, 25°C, 50psi and 15% recovery rate.