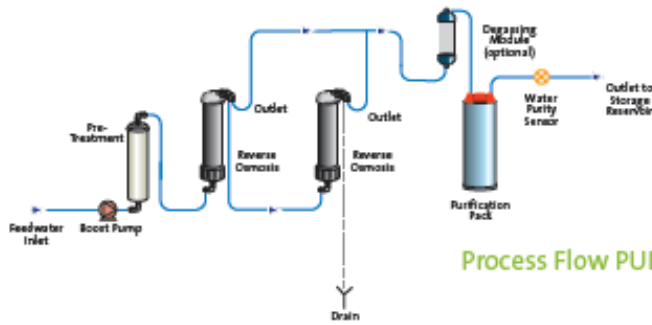
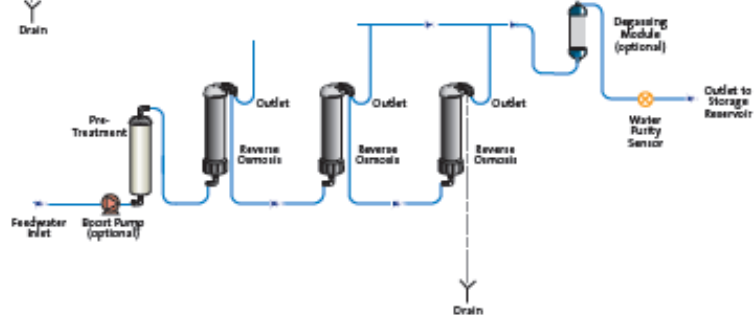


Process Flow PURELAB Chorus 2 (RO/DI)



Process Flow PURELAB Chorus 3 (RO)



Quantity of Reverse Osmosis Modules dependent on Chorus Model.

Specifications

TREATED WATER SPECIFICATIONS

| APPLICATION | PURELAB Chorus 2 (RO/DI) | | PURELAB Chorus 3 (RO) | | |
|----------------------------|---|-----------|-----------------------|-----------|-----------|
| Nominal output at 15°C | 10 l/hr | 20 l/hr | 10 l/hr | 20 l/hr | 30 l/hr |
| Nominal daily output | 240 l/day | 480 l/day | 240 l/day | 480 l/day | 720 l/day |
| Inorganics @ 25°C | 1 to >10 MΩ.cm | | >95% rejection | | |
| Organics (MW>200 Dalton) | >99% rejection | | >95% rejection | | |
| Total organic carbon (TOC) | <30 ppb | | <50 ppb | | |
| Bacteria | <5 CFU/ml | | <50 CFU/ml | | |
| pH | Effectively neutral | | Effectively neutral | | |
| Particles | >99% rejection | | >99% rejection | | |
| Purification pack capacity | Liters to 1MΩ.cm = 103,200/(μS/cm + (2.3 x ppm CO ₂)) | | N/A | | |

Standard conditions are 4 bar inlet pressure at 15°C, fed with potable water and a clean pre-treatment cartridge. Refer to flow tables outside these conditions.

FEED WATER REQUIREMENT

| Source – originally from potable supply, then pretreated | Potable mains water supply | | Potable mains water supply | | |
|--|---|--|---|--|--|
| Fouling index (max) | 10 | | 10 | | |
| Conductivity | <2000 μS/cm | | <2000 μS/cm | | |
| Free Chlorine | 0.5 ppm max | | 0.5 ppm max | | |
| Heavy Metals (max) | 0.05 ppm | | 0.05 ppm | | |
| Silica | 30 ppm | | 30 ppm | | |
| Temperature | 1-35°C | | 1-35°C | | |
| Flowrate (maximum requirement) | 100 l/hr (27 USG) | | 100 l/hr (27 USG) | | |
| Drain requirements | 80 l/hr (21 USG) | | 80 l/hr (21 USG) | | |
| Feedwater pressure | 2.0 bar (30 psi) maximum; 0.5 bar (7.5 psi) minimum* | | 2.0 bar (30 psi) maximum; 0.5 bar (7.5 psi) minimum* | | |

*Fit LA652 Regulator where feedwater pressure exceeds specified limits

| | | | | | |
|--------------------------|--|----------------|----------------|----------------|---------------|
| Dimensions | Height 435mm, Width 376mm, Depth 340mm | | | | |
| Weight (with boost pump) | 19 kg (42lb) | 20 kg (44 lbs) | 17 kg (37 lbs) | 18 kg (40 lbs) | 19 kg (42lb) |
| Weight | 17 kg (37 lbs) | 18 kg (40 lbs) | 15 kg (33 lbs) | 16 kg (35 lbs) | 17 kg(37 lbs) |