

TECHNICAL SPECIFICATIONS

Flow Rate / Production*	120 l/h
Salt rejection rate	>95%
Permeate yield WCF (min./max.)**	40-60%
Electrical	240V-50Hz-10amp
Total power	445 W
Type of protection	IP54
Feed water, concentrate, permeate line***	¾" M
Feed water pressure (min./max.)	2.0-6.0 bar
Surrounding/Feed water temp (min./max.)	5-40/5-30
Iron and manganese (Fe+Mn)	< 0.05 mg/l
Dimensions	23W x 34D x 38H cm
Weight, approx	17.5 kg

* Water temperature intake 15°C, salt content as NaCl max. 500 mg/l, pre-pressure intake 3.5 bar and permeate yield of 30%. In operation, the actual nominal flow can deviate from the flow quoted in the table due to fluctuations in the inlet water quality, the flow pressure and the flow continuity.

** In principle, the manufacturer recommends use of softened feed water if the water hardness exceeds 249 ppm.

*** Permeate connection ¾" M applicable to RO120-Version.

Attention should be paid to local installation instructions, general guidelines, general hygiene conditions and technical data.

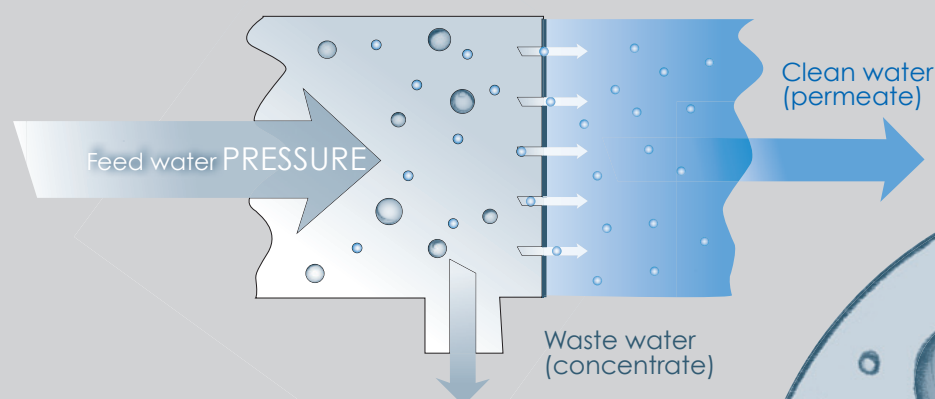
(Use pressure limiter to ensure max pressure is not exceeded.)

FEATURES AT A GLANCE

The Rhima RO120 HiGH SPARKLE System provides a cost effective solution that results in brilliant spot-free glasses, gleaming streak-free crockery and shining cutlery WITHOUT the need for manual polishing, enhancing your customer's dining experience.

Installed between the mains water supply and your dishwasher, it is ideal for the Rhima OPTIMA underbench range of dishwashers.

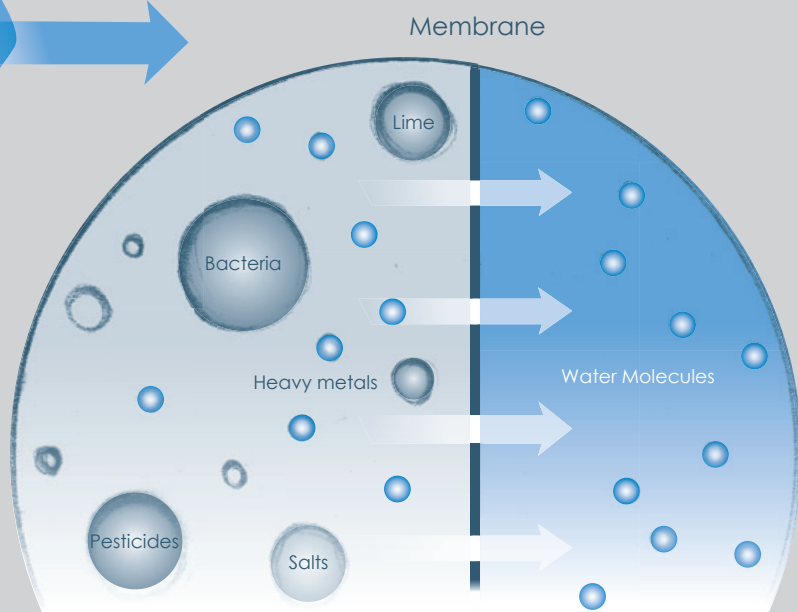
- Removes particles, limescale and salts from the water, eliminating spots and streaks on dried glassware, dishware and cutlery
- Eliminates time-consuming hand polishing of glass ware, crockery and cutlery
- Effervescence of sparkling wines and beers is enhanced
- Reliability combined with an inbuilt monitoring system for simple filter and membrane replacement, provides a cost effective system
- Minimises detergent and rinse additive usage and costs by providing reverse osmosis water
- Variable settings optimize system to suit local water quality
- Optional accessories include larger capacity storage tanks, and pre-filters to suit your particular applicable and local water quality



WHAT IT DOES

The High Sparkle System is a membrane filtration process which in combination with high water pressure filters from the water the dissolved substances such as lime and heavy metals, and lets through only pure water molecules.

The fine membrane pores which hold back even micro organisms, such as bacteria, ensure that dissolved substances are almost totally removed.



TECHNICAL DRAWING

Important pre installation detail:

Incoming water:

Pressure

Minimum: 350 kPa - if < 350 kPa seek advice

Maximum: 600 kPa - if > 600 kPa use pressure limiting valve (PLV600AK1 or similar)

Flow

Minimum 10 lpm - check water tap for flow, if < 10 lpm seek advice
To check flow rate: run tap into a bucket for 30 secs. Measure water in litres.
Multiply x 2 = litres per minute (lpm)

Bypass

Existing tap - 1/2" or 3/4" male

3/4bspm to 1/2bspf bush (FBH3412) - if required

Bypass valve 3/8 to 3/8 Ball valve (PPSV041212W)

Manifold (FMF312134)

3/8 X 1/2 bspf adaptor (PI451214F5)

Braided Hose 2M (FBH34F200E)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

white tube

3/8 Tee (PP0212W)

3/8 X 1/2 bspf adaptor (PI451214F5)

Optional outlet fittings

3/4bspf to 3/8 JG (NC2249)

Stem Elbow 3/8 JG stem to 3/8 JG (PP221212W)

3/8 JG to 1/4 bspf Ball Valve (PPSV501222W)

Check valve (3/8SCV)

3/8 Tee (PP0212W)

TANK

Storage tank

*Tank Options (with fittings)

RO-TANK1070 48 litre 575 H x 390 D/A

Water Flow

240V

Power

230mm

BA22HQ - 250mm L

BA24HQ - 340mm L

BA26HQ - 430mm L

Drain

Clamp Connector (RODC2.5-38)

Or to suitable waste outlet

WARNING: If pressure exceeds 600kPa, (optional) PLV required.

Optional

600kPa PLV (PLV600AK1)

Pre filter housing

PSJ200

220mm

720mm

Pre filter housing

PSJ200 Standard on RO120, RO180 systems

Includes Spanner

Filter Cartridges FB5W20

Water Flow

Manifold (FMF312134)

3/8 X 1/2 bspf adaptor (PI451214F5)

Braided Hose 2M (FBH34F200E)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

3/4bspf to 3/8 JG (NC2249)

3/8 JG (NC2249)

Call Rhima Australia today on 1300 347 944

www.rhima.com.au

Australia • New Zealand • Singapore

Version: 1.0