

# IONMASTER ACTB Deionisers

## Rinse Water Reclaim and Recycling System



Facia mounted message display provides user information

The IONMASTER ACTB is a complete rinse water utilisation system. The whole product is designed on a polypropylene skid which provides for a compact footprint and ease of installation. The stainless steel feed pump, rate of flow indicator, pressure gauge and pump control system are all included and designed into the product assembly.

The IONMASTER ACTB has three process stages.

**Stage 1** Organic Absorbtion

**Stage 2** Strong Gel H form Cation

**Stage 3** Acrylic OH form weak Anion

The process rinse water passes through stage 1 where organic and particulate matter is removed. On into stage 2 where Cation +ve impurities are exchanged out. In the final stage 3 Anion-ve impurities are exchanged out to produce Deionised Water.

The system regeneration is fully automatic being initiated by a sustained rise in Deionised water conductivity. Alternatively the operator has the option to initiate a regeneration, for instance at the end of a shift patern.

The features include:-

- Process rinse water recovery
- Process rinse water recycling
- Fully automatic regeneration
- Continuous conductivity monitoring
- Precise operator information message display
- Proven reliable components
- Corrosion resistant materials
- Very simple installation
- Service mode options
- Stainless steel pump and automatic controls
- Flow and pressure instrumentation
- Minimum moving parts

### Products in the Wychwood Water range:

IONMASTER RO

IONMASTER CO

IONMASTER CC

IONMASTER CCP

IONMASTER CLASSIC

FILTERMAT

SOFTENERS

NICON

### Continuous Service and Technical Support

Wychwood Water Systems offer a full design and installation service.

All Wychwood products are covered by a one-year parts and labour warranty including a 24-hour technical Helpline facility.

A range of service contracts are available to provide continuous operational support and ensure your water system functions at optimum efficiency. We also offer operator and maintenance staff training seminars for your own employees.

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## THE IONMASTER ACTB DEIONISERS:

### Performance Data

The IONMASTER ACTB rinse water recycling system is supplied in 6 standard size options. A custom design service is also available for larger applications.

Model	1.5ACTB	2.5ACTB	4ACTB	6ACTB	10ACTB	20ACTB
Flow	1.5 m <sup>3</sup> ph	2.5 m <sup>3</sup> ph	4 m <sup>3</sup> ph	6 m <sup>3</sup> ph	10 m <sup>3</sup> ph	20 m <sup>3</sup> ph
Water Quality: < 25 microsiemen (average water quality 5 to 10 microsiemen)						

For greater flow rates or 24 hour Deionised Water demand every IONMASTER ACTB control system has an integral duplexing facility allowing two or more IONMASTER ACTB units to be duplexed together to provide 100% duty / standby operation. This is particularly suitable for production sensitive applications.

Model	1.5 ACTB	2.5 ACTB	4 ACTB	6 ACTB	10 ACTB	20 ACTB
Feed water connection	3/4"	3/4"	1"	1 1/2"	2"	2"
Treated water connection	3/4"	3/4"	1"	1 1/4"	1 1/2"	2"
Drain	3/4"	3/4"	1"	1 1/2"	2"	2"
Height	1560	1835	1775	1985	2265	2472
Depth	515	550	720	755	1214	1674
Width	1300	1500	1760	2075	2660	3850
Headroom required	1000	1000	1000	1000	1500	1500
Electrical power requirement	0.75KW 1PH	0.9KW 1PH	1.1KW 3PH	1.5KW 3PH	2.2KW 3PH	4KW 3PH

### Installation is simple as is plant location and foot print.

Because the ACTB is one complete system installed on a skid, installation is simplified and economic. There are many installation options including the continual recirculation of the process rinse tanks. Wychwood Water Systems provide a complete design, Installation and commissioning service. We will be pleased to quote you for all of these services.