



MEDIA DETAILS

Filled with a high purity, premium grade, strongly basic macroporous-type anion exchange resin, specially developed for selective nitrate removal from potable water in presence of high levels of sulphate.

It offers a superior operating capacity and an excellent selectivity to nitrate for economical treatment.

COMPONENTS

- Pre-programmed Clack® CE valve
- 1665 media vessel
- ECO-NR1
- Large salt capacity brine well with safety float valve

CERTIFICATIONS

- NSF/ANSI 44
- NSF/ANSI/CAN 61
- NSF/ANSI/CAN 372
- Watermark Pending



SPECIFICATIONS

INPUT POWER	230V, 50 Hz
POWER CONSUMPTION	30W
INLET PRESSURE	2 - 6 bar
OPERATING FLOW RATE	≈ 83.3 L/min
PRESSURE DROP	0.5 - 1 bar bar in service mode
VOLUME CAPACITY	2087.5g
SALT CONSUMPTION	25 kg per regeneration
REGENERATION	80 - 110 minutes
REGENERATION WATER	1000 L
MEDIA	125L - ECO-NR1
INLET / OUTLET	1"
BRINE TANK (MM)	Ø 470 x 980 H
CHAMBER DIMENSIONS	Ø 413mm x 1874mm high incl valve

INFLUENT WATER

HARDNESS	750 mg/L CaCO ₃
IRON	≤ 0.1 mg/L
MANGANESE	≤ 0.05 mg/L
TURBIDITY	≤1 NTU
SULPHATE LEVELS	Factor in with design
PREFILTRATION	≤100 µm
WATER TEMP	+4 to 30° C



Certified to
NSF/ANSI 44



Certified to
NSF/ANSI 61 & 372

SPECIFICATIONS

SUPPLY VOLTAGE	230V, 50 Hz
OUTPUT VOLTAGE	15VDC
OUTPUT CURRENT	500mA
MAX INLET PRESSURE	2 - 6 bar
MAX FLOW RATE	≤ 102 L/min
PRESSURE DROP	1.0 bar in service mode 102 lpm 1.7 bar in backwash mode 102 lpm
INLET / OUTLET	1"
MOUNTING BASE	2 1/2"
HEIGHT FROM TOP OF TANK	187mm
WEIGHT	2kg

PRODUCT DETAILS

The WS1 is a state-of-the-art automatic control head designed for residential and commercial applications requiring flow rates up to 102 l/min (6.1 m³/hr). The valve acts as a primary center that directs and regulates all cycles of water softening. It can be set to perform downflow regeneration or simply backwash and rinse. It has a backwash ability capable of servicing up to 16" diameter tanks.

The WS1 has 9 injector sizes to choose from for different draw rates.

FEATURES

- Solid state microprocessor with easy access front panel
- Three modes of operation; meter immediate, meter delayed, or time clock delayed
- Double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Capable of 36 pre-programmed regeneration cycles based on control valve setting
- Days override feature; 1 – 28 days available
- Backwash and brining ability to 16" diameter tanks
- Downflow/upflow regeneration
- Stores system configuration and operation data in non-volatile memory
- Coin Cell Lithium battery back-up with an 8 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Control valve design provides optimum service and backwash rates
- Pre or Post treated water regenerant refill
- Reliable and proven DC drive
- One piece expanding seal spacer stack assembly
- Linearly reciprocating piston operation

COMPONENTS

- Clack® CE valve
- AC Adaptor powerpack

