



CERTIFICATIONS

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



INFLUENT WATER

HARDNESS	750 mg/L CaCO ₃
IRON	15 mg/L
MANGANESE	3 mg/L
CHEMICAL O₂ DEMAND	20 mg/L O ₂
AMMONIUM	4 mg/L
PREFILTRATION	≤100 µm
WATER TEMP	+4 to 30° C
PH	5 - 9
CHLORINE	≤1 ppm
TDS	≤4000

MEDIA DETAILS

The FK family of Advanced Softeners are filled with ECOMIX® C media – an advanced multi-component material effectively reducing hardness, iron, manganese, ammonium, and natural organics, delivering soft, clear, and pleasant-tasting water for everyday use. Thanks to its unique composition, ECOMIX® C combines ion exchange and sorption functions in a single media, replacing multiple treatment stages and ensuring reliable operation.

The material provides stable performance even with significant seasonal changes in raw water quality, making it ideal for systems that treat complex problem water. ECOMIX® C is ACS certified for use in drinking water applications.

COMPONENTS

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

SPECIFICATIONS

INPUT POWER	230V, 50 Hz
POWER CONSUMPTION	30W
INLET PRESSURE	2 - 6 bar
OPERATING FLOW RATE	~ 55 L/min
PRESSURE DROP	0.5 - 1 bar in service mode
VOLUME CAPACITY	12000L @ 250mg/L CaCO ₃ incoming water hardness
SALT CONSUMPTION	10 kg per regeneration
REGENERATION	80 - 110 minutes @ 34 l/min
REGENERATION WATER	1000 L
MEDIA	100L Ecomix® C
INLET / OUTLET	1"
BRINE TANK (MM)	Ø 470 x 980 H
CHAMBER DIMENSIONS	Ø 413mm x 1874mm high incl valve



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

