

## ECOSOFT BASICSOFT 4500

Treatment of household water, steam boiler and heating circuit feed water, pharmaceutical manufacturing, food processing, chemical manufacturing, textile industry, drinking water bottling, agriculture, fish farms etc.

### KEY FEATURES

- Basic set ready to work with cation exchange resin plastic valve, top and bottom stacks distributors
- PC002 for commercial and domestic softening applications: polydispersed particle size, gel, strong acid cation exchange resin
- Automatic Clack CE control valve:
  - Regeneration control by water volume: delayed regen, immediate, both
  - Possibility to change the cycle of regeneration stages and their range of time
  - Multilanguage menu: English, German, French, Ukrainian
  - Different setting modes are available:
    - double valve twin or duplex configurations
    - multi-system mode, up to 8 system to the system controller
    - 2 external devices simultaneously can be connected



### SET OF EQUIPMENT

#### WS1.5CE meter control valve assy (VP15CEDTH):

- WS1.5PCE control valve
- Top stack distributor, 50 mm riser
- Meter assembly
- Power supply
- Injector
- DLFC
- Funnel
- Valve instruction manual, Instruction manual

#### Pressure tank assembly:

- Pressure tank CN-30×72 (top bottom opening 6"-FLG)
- Flange adaptor
- Riser DN 50 mm
- Lateral bottom stack distributor

#### Brine tank assembly

- Brine tank 30×60, 680 L
- Brine well assembly (brine valve, overflow set)
- Brine grid

#### Resin

- Type resin — PC002 polydisperse cation exchange resin
- Volume resin — 450 liters

## TECHNICAL SPECIFICATION OF BASICSOFT 4500

Parameters	
Maximum service flow rate	13.6 m <sup>3</sup> /h
Quantity of resin	450 l
Volume capacity*	90 m <sup>3</sup>
Usage of salt per regeneration	45.0 – 72.0 kg
Usage of water per regeneration (= discharge per regeneration)	3.15 – 4.5 m <sup>3</sup>
Duration of regeneration	80 – 120 minutes
Operating pressure	2 – 6 bar
Inlet, outlet	1.5"
Drain	1"
Brine line	½"

Parameters	
Volume of pressure tank	680 l
Dome volume	80 l
Volume of brine tank	680 l
Dry system weight	115 kg
Electrical requirements	230 V, 50 Hz
Electrical power	30 W
Operating temperature	+4...+30 °C

## ECOSOFT BASICSOFT 4500

Code	Product	Volume resin, L	Maximum service flow rate, m <sup>3</sup> /h**
FU3072CE15P	Ecosoft BasicSoft 4500	450	13.6

\* At a hardness of 250 ppm CaCO<sub>3</sub>, the salt dose for regeneration is 100 g/l

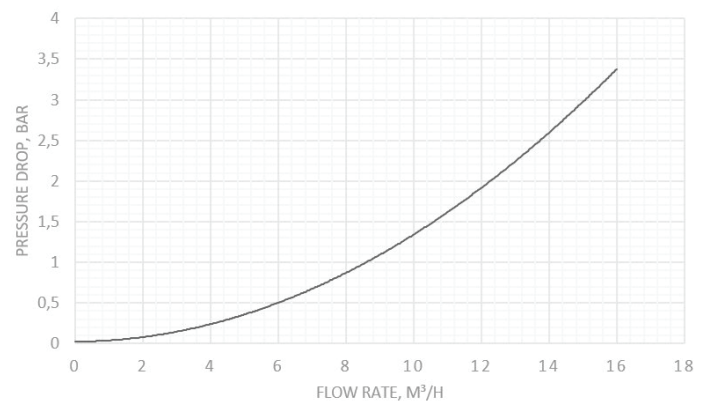
\*\* With a linear filtration rate of 27 m/h

## ACCESSORIES\*

Code	Description
V3009	WS1 Auxiliary Microswitch Assembly
V3034	Water Specialist 1.5" Plastic Motorized Alternating Valve
V3035	Water Specialist 1.5" Plastic No Hard Water Bypass Valve
V4430-02	WS15P fitting assembly QC to BSPT
V4430-03	WS15P fitting assembly QC to QC

\* Not included in the basic set.  
Can installed as additional equipment

## PRESSURE DROP vs FLOW RATE\*\*



\*\* Data is based on control valve type, distributors type, temperature, and media type

## CONFIGURATIONS

### DOUBLE VALVE TWIN



#### DOUBLE VALVE TWIN ASSEMBLY PARTS

1. FU3072CE15P — 2 pcs.
2. V3034 — 1 pcs.
3. V4430-02 — 2 pcs.

Single valve twin set may operate 2 units with alternative mode (the first unit in operation, the second — in regeneration or stand by) and can produce water during the day at constant flow rate.

#### KEY FEATURES

- Ensures stable water quality with constant flow
- User friendly installation
- Doesn't create hydraulic shocks

### DUPLEX VALVE



#### DUPLEX VALVE ASSEMBLY PARTS

1. FU3072CE15P — 2 pcs.
2. V3035 — 2 pcs.
3. V4430-03 — 2 pc.
4. V4430-02 — 2 pcs.
5. V3009 — 2 pcs.
6. 1PROVODDUP — 2 pcs.

Duplex valve set may operate 2 units parallel and can provide double flow rate during peak consumption.

#### KEY FEATURES

- Double flow rate for peak consumption
- User friendly installation
- Doesn't create hydraulic shocks

### MULTI-SYSTEMS



#### SET FOR 2...8 UNITS WITH CLACK SYSTEM CONTROLLER

1. FU3072CE15 — 2...8 pcs.
2. WSSYSTCON2\* — 1 pcs.
3. V3035 — 2...8 pcs.
4. V4430-02 — 2...8 pcs.

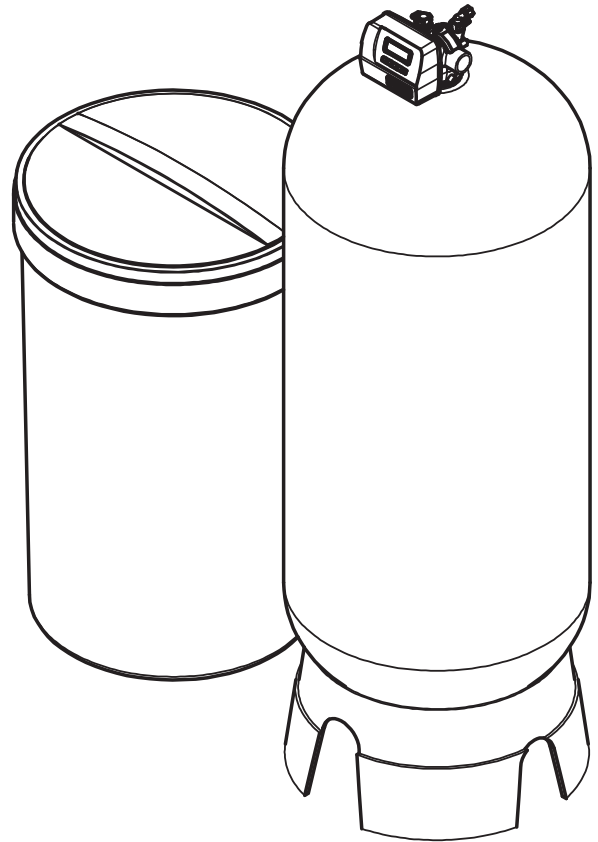
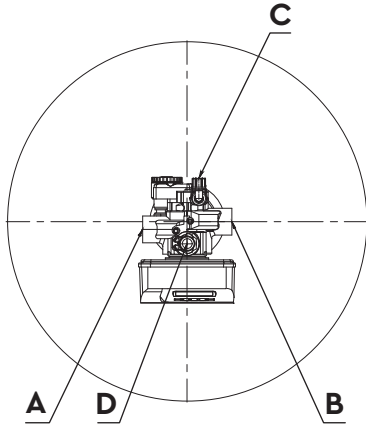
The Clack system controller may operate 2 – 8 units and has 4 operating modes that ensure efficient operation of the set for various needs.

#### KEY FEATURES

- System Controller may operate 2 — 8 units or be used as a water monitor only
- Clack WS1.0, WS1.25, WS1.5 or WS2 control valves may be used
- 4 available operating modes: Progressive flow, Alternator, Series, Random

WSSYSTCON2\* — includes a kit for connecting 2 systems. The last number indicates the number of possible connected systems

## CONNECTIONS



Marking	Nomenclature	Connection	Height
A	Inlet	PH G 1.5"	2290±30
B	Outlet	PH G 1.5"	2290±30
C	Brine line	PH G ½"	2400±30
D	Drain	PH G 1"	2430±30

## DIMENSIONS OF SYSTEM

