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# Water Softening Systems

### DKYS Series



## Water Softening Systems

Water softening systems remove calcium (Ca) and magnesium (Mg) ions, which cause hardness in water. Water softening systems use the ion exchange principle to remove calcium and magnesium ions from water.

### DKYS Series Water Softening Systems

DKYS Series flow control Water softening systems measure the amount of water passing through the device using a meter and subject it to a pre-programmed backwash process. The control group is connected to a water meter. The amount of water that the resin can soften is defined in the control group. When the specified amount of water passes through the tank, the device receives a signal to begin regeneration. The regeneration process begins with salt water, removing calcium and magnesium ions.

## DKYS Series Water Softening System Features

- Corrosion resistant FRP (fiber-wrapped) body
- Programmable automatic valve, flow control, automatic backwash adjuster
- 3-6 bar working pressure, max. 10 bar test pressure, max. 50 ° C working temperature
- Resin mineral, salt tank in compliance with food regulations
- Electrical supply 220 V/50 Hz



| MODEL    | SERVICE FLOW RATE (m3/s) |         | LOST (bar) | SERVIC E (inch) | DRAIN (inches) | DIMENSIONS (cm) |     |     | resin (lt) | TUZ TANKI (lt) |
|----------|--------------------------|---------|------------|-----------------|----------------|-----------------|-----|-----|------------|----------------|
|          | 20 m3/s                  | 30 m3/s |            |                 |                | THE             | LB  | D   |            |                |
| DKYS 30  | 1,5                      | 2       | 0,2        | 3/4             | 1/2            | 104             | 89  | 25  | 30         | 70             |
| DKYS 50  | 1,5                      | 2       | 0,2        | 3/4             | 1/2            | 153             | 137 | 25  | 50         | 70             |
| DKYS 60  | 2,2                      | 3       | 0,2        | 3/4             | 1/2            | 148             | 132 | 30  | 60         | 70             |
| DKYS 80  | 2,5                      | 3,5     | 0,2        | 1               | 1/2            | 153             | 137 | 33  | 80         | 100            |
| DKYS 100 | 3                        | 4       | 0,2        | 1               | 1/2            | 181             | 165 | 36  | 100        | 100            |
| DKYS 150 | 4                        | ---     | 0,2        | 1               | 1/2            | 181             | 165 | 41  | 150        | 140            |
| DKYS 150 | 4                        | 5,5     | 0,2        | 1               | 1/2            | 181             | 165 | 41  | 150        | 140            |
| DKYS 200 | 5,1                      | 6,5     | 0,3        | 1               | 1/2            | 181             | 165 | 46  | 200        | 200            |
| DKYS 150 | 4                        | 5,5     | 0,2        | 2               | 1              | 187             | 165 | 41  | 150        | 140            |
| DKYS 200 | 5,1                      | 6,5     | 0,3        | 2               | 1              | 187             | 165 | 46  | 200        | 200            |
| DKYS 250 | 6,6                      | 9       | 0,5        | 2               | 1              | 182             | 152 | 53  | 250        | 300            |
| DKYS 300 | 9                        | 10      | 0,5        | 2               | 1              | 235             | 183 | 61  | 300        | 300            |
| DKYS 500 | 10                       | ---     | 0,7        | 2               | 1              | 235             | 183 | 76  | 500        | 500            |
| DKYS 750 | 12                       | ---     | 0,7        | 2               | 1              | 235             | 183 | 92  | 750        | 750            |
| DKYS 500 | 14                       | 15      | 0,7        | 2               | 2              | 235             | 183 | 92  | 500        | 500            |
| DKYS 750 | 18                       | --      | 0,7        | 2               | 2              | 235             | 183 | 92  | 750        | 750            |
| DKYS 900 | 20                       | ---     | 0,7        | 2               | 2              | 247             | 183 | 105 | 900        | 1000           |

\*\* Device images will vary depending on the model.