

DVA[®]
DE VECCHI S.R.L.

WATER **SOFTENERS**



SERIES IV

WATER SOFTENERS

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WHY DO I NEED A WATER SOFTENER?

It is well known that water, when heated, can create serious problems, due to scale formation. Softened water, instead, does not form scale and also allows you to:

- save money on machine maintenance
- increase the implant duration and performance
- drastically reduce the amount of detergent during washing
- guarantee the absence of marks on shiny surfaces after washing.



IV8, IV12, IV16, IV20 are part of the series of semi-automatic water softeners provided with the IV valve. Water softeners are used to treat water rich in mineral salts, in particular calcium and magnesium salts, in order to avoid scale formation.

CHARACTERISTICS OF IV VALVE



The valve is completely made of a certified material suitable for food and drinkable water.

The material used is nylon, that guarantees a high rigidity and mechanical resistance, making it comparable to aluminium.

This material is also resistant to chemical agents.

- TIFQ certificated
- It solves the problem of limestone formation
- Water supplied improves food taste and coffee fragrance
- Very low service cost
- It is simple to install and to use
- It is highly reliable and safe to use
- It can mix outgoing water
- Outgoing water flow is always maintained. It is possible to supply water to connected machines also during resin regeneration

WATER SOFTENER FEATURES

REGENERATION

Resin regeneration occurs by manually rotating the valve's handle in the four positions:

1. running
2. pressure unloading and salt-loading
3. resin rinsing
4. backwash



APPLICATIONS

IV machines suit the needs of coffee shops and restaurants, and are ideal for all the operations that require water usage: 2/3/4 group coffee machines, cup washing machines, dishwashers, ice makers, steam ovens, and so on.



IV8

| | |
|---------------------|-------|
| Weight | 8 kg |
| Resin | 5,6 l |
| Salt / regeneration | 1 kg |



IV12

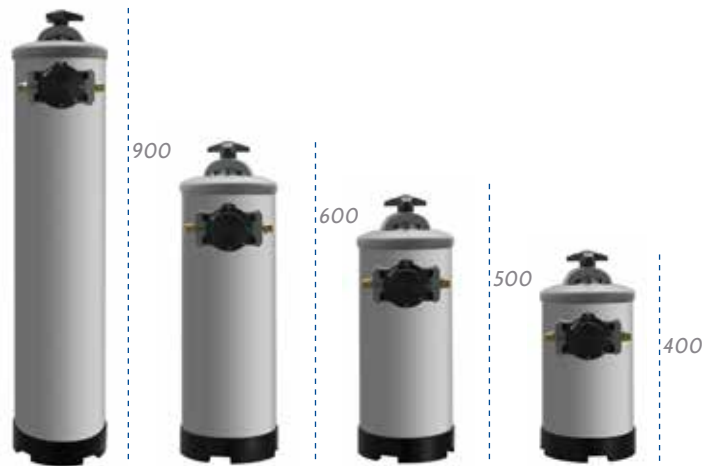
| | |
|---------------------|--------|
| Weight | 10 kg |
| Resin | 8,4 l |
| Salt / regeneration | 1,5 kg |

IV16

| | |
|---------------------|---------|
| Weight | 12,5 kg |
| Resin | 11,2 l |
| Salt / regeneration | 2 kg |

IV20

| | |
|---------------------|--------|
| Weight | 19 kg |
| Resin | 14 l |
| Salt / regeneration | 2,5 kg |



TECHNICAL DATA

| | |
|----------------------------|--------------------------|
| Water pressure | min 1 bar - max 8 bar |
| Room temperature | min 4°C - max 35°C |
| Water temperature | min 6°C - max 25°C |
| Maximum flow rate | 700 l/h |
| Connector for water supply | 3/8" G (M) or 3/4" G (M) |



Mixer

SOFTENED WATER AMOUNT ACCORDING TO HARDNESS

| °f | WATER HARDNESS | | | | | |
|-----------------------|----------------|------|------|------|------|------|
| | 10 | 20 | 30 | 40 | 50 | 60 |
| °d | 6 | 11 | 16 | 22 | 28 | 33 |
| ppm CaCO ₃ | 100 | 200 | 300 | 400 | 500 | 600 |
| IV8 | 3360 | 1680 | 1120 | 840 | 672 | 560 |
| IV12 | 5040 | 2520 | 1680 | 1260 | 1008 | 840 |
| IV16 | 6720 | 3360 | 2240 | 1680 | 1344 | 1120 |
| IV20 | 8400 | 4200 | 2800 | 2100 | 1680 | 1400 |

SUPPLY WATER FEATURES

- drinking water
- temperature between min 6 °C and max 25 °C
- crystal clear water (SDI I)
- max hardness 90°f

