WATER TREATMENT SOLUTIONS
- ionic exchange
- reverse osmosis
- electronic treatment
- magnetic treatment
- chemical treatment
- mechanical treatment

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DEMINERALIZING UNITS MINIDEM SENIOR and MASTER series

Water demineralizators
MINIDEM Senior and Master series
working with **ionic exchange resins**

Thanks to its characteristics
resins can removed
all melted salts in water

Cartridge exchange
is required when resins coloration change :
green color (active) al **bleu color** (exhausted).

Products made of high recyclable plastic (**PET**) and composed by brass connections. They're supply with water hardness tester, unscrew device, flexible metal hose and flow rate reduction to 1,5 lt/min

APPLICABILITY

- Laboratoires
- Traction battery charging area
- Photo-labs
- Print-labs
- Glass factories, ironing rooms
- Every situation that required demineralized water production

ADVANTAGES

- No service required
- No regenerate products needed
- No chemical controls
- **Fast and clean exchange system**
- Water conductivity control provided
- Steady water flow

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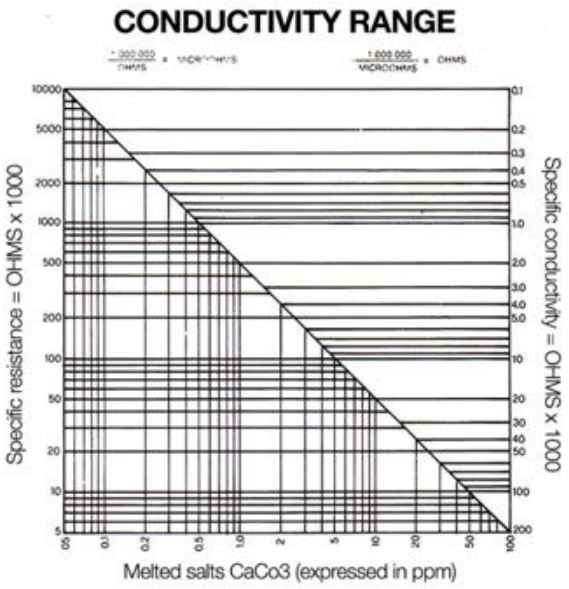
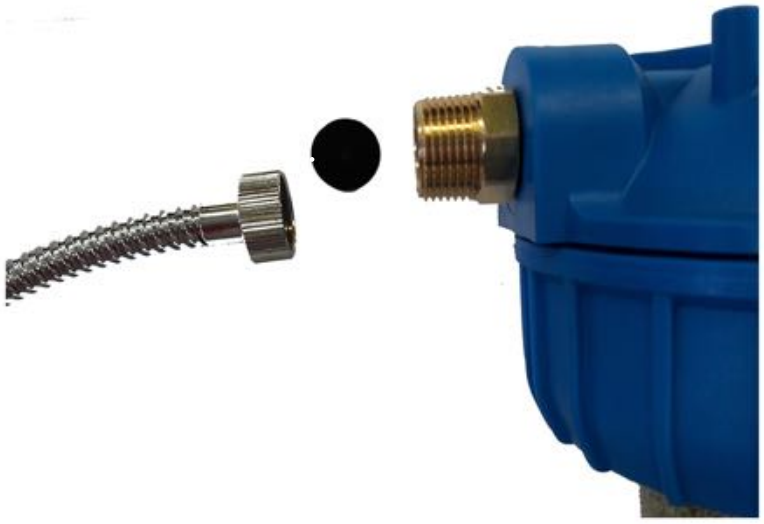
PRINCIPLE OF FUNCTIONING

Demineralization or deionization is a proces that removes, partially or totally, all **melted salts** in water.

Every kind of water supply contains different levels of melted salts in water, represents by **water salinity level**.

In picture (*right*) water total salinity levels expressed by ppm (mg/lt) together with water conductivity levels expressed by microohms.





INSTALLATION

- Fasten clamp on a wall using self-tappig screw available
- Connect filter entrance using flexible metal hose (and flow rate reduction seal)
- Connect flexible metal hose to water supply
- Open water supply and wait a few seconds until demineralized water flows from filter's exit

TECHNICAL DATA

	SENIOR	MASTER
Flow rate lt/min	1	1
Functioning temp. °C	5 - 50	5 - 50
Pressure max	3 ATE	3 ATE
Height (cm)	35	61
Large (cm)	18,5	18,5
Width (cm)	15	15

Water hardness (°F)	DEMINERALIZED WATER (Liters)	
	Minidem SENIOR	**Minidem MASTER**
18	105	210
22	86	178
24	80	160
26	73	146
28	67	135
30	63	126
32	59	118
34	55	111
38	50	100
42	45	90
46	41	82
50	38	76