

## SOFTENING

### ***SOFT-CAB mini***

#### **Watersoftening Optimisation**

Compact-Softening Cabinets suitable for domestic and commercial use. Particularly useable for those cases where economic optimisation is considered with regard to place-, energy-, water required as well as salt consumption for water softening.

#### **Calcium Precipitation Cost Money**

Calcium precipitations damage considerably the domestic and commercial installations, reduce the lifetime and efficiency of all connected facilities and equipment, such as dish washers and washing machines, boilers, coffee-makers etc. Early exchange and repairs cause unnecessary expenses. A thin layer of those deposits increases the power consumption over proportional.

Energy losses due to calcium deposits

Layer thickness mm	0,4	0,8	1,6	3,2	4,8
Energy loss %	4	7	11	18	27

The growing limestone layer causes at electrical facilities overheatings and burn outs, friction losses which concerns the lifetime of the feed pump, fittings wear out earlier. Moreover lime spots on tiles, basins and baths appear and the soap- and detergent consumption arises

By assembly a water softening plant the problems disappear.

#### **Design**

The ***SOFT-CABmini*** main part is a strong and solid HDPE tank in which the resin tank the regeneration salt and all control devices are built in.. The resin is under strict quality control. The also built-in brine valve ensures the provision of the brine. The central control valve operates the process steps "service, back wash, regeneration, drains and fast rinse"..

#### **Central Control Valves**

The world-wide used „ Erie “ - Valves are operating and controlling the single regeneration steps by different controller types.

#### **Data**

Type	<b><i>SOFT-CAB mini</i></b>	
Resin volume	ltr.	5
Salt storage	kg	10
Salt demand/Reg.	kg	1,2
max. Flow	m <sup>3</sup> / h	1,5
Capacity	m <sup>3</sup> x °dH	30
Oper. pressure	min. / max.	1,4 / 8,5 bar
Oper. Temp. water	max.	40° C
Electr. Supply		230V/50 Hz
Controller		time controlled
Dimensions :	width	230 mm
	depth	400 mm
	total height	520 mm

