



## ONE RESIN FOR 5 PROBLEMS

**HARDNESS**

**IRON**

**MANGANESE**

**AMMONIUM**

**ORGANICS**

CHEMOMIX is a developed MIX OF RESIN that solves 5 water problems.  
Regeneration with tablet salt.

It works with low salt consumption 100 mg/l @ 2 dh / liter resin

Flow rate : 3.3 mc @ 100 liter of resin

| Raw Water Limits CHEMOMIX |                          |
|---------------------------|--------------------------|
| Hardness( CaCo3/ dh /fH ) | 750 ppm / 42 °D / 75 °F) |
| Iron                      | 15 ppm                   |
| Manganese                 | 3 ppm                    |
| TOC ( including tannins)  | 17 ppm                   |
| Ammonium                  | 4 ppm                    |

CHEMOMIX® - to be used after a prefiltration (sediment filter)

CHEMOMIX® - is not recommended to be used with resin cleaner and chemicals

CHEMOMIX® - should be stored in the original unopened packaging in a cool and dry area ( 5-30 C)

| TECHNICAL Specifications           |       |
|------------------------------------|-------|
| Service Flow rate m/h              | 20-25 |
| Backwash flow rate m/h             | 10-15 |
| Brine ( slow rinse ) flow rate m/h | 3-5   |
| Minimum bed depth mm               | 500   |
| Free space in vessel ( minimum) %  | 40    |
| Salt consumption g/l               | 100   |
| Brine Concentration %              | 10    |
| Water consumption per regenerati   | 10    |



# CHEMOMIX

## SYSTEM DESIGN

|                          |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| SIZE OF VESSEL           | 1035 | 1044 | 1252 | 1465 | 1665 | 2162 |
| Chemomix Volume - l      | 25   | 35   | 50   | 75   | 100  | 150  |
| Service flow rate - mc/h | 1.1  | 1.2  | 1.8  | 2.5  | 3.3  | 5.5  |
| System Capacity kg CaCo3 | 0.7  | 1.05 | 1.5  | 2.3  | 3    | 4.5  |
| System Capacity - dH     | 50   | 70   | 100  | 150  | 200  | 300  |
| Salt per regen - kg      | 2.5  | 3.5  | 5    | 7.5  | 10   | 15   |
| Backwash flow rate -mc/h | 0.6  | 0.7  | 0.9  | 1.2  | 1.6  | 2.7  |

## CLACK VALVE DLFC AND INJECTOR SET UP

|                      |        |       |      |       |        |             |
|----------------------|--------|-------|------|-------|--------|-------------|
| Flow restrictor DLFC | 027    | 032   | 042  | 065   | 075    | 130         |
| INJECTOR             | B      | E     | F    | H     | I      | K           |
|                      | PURPLE | WHITE | BLUE | GREEN | ORANGE | LIGHT GREEN |