

6 CLEAN WATER AND SANITATION



A REVOLUTIONARY AND SUSTAINABLE TECHNOLOGY THAT ELIMINATES THE NEED OF ANTI-SCALANT CHEMICALS FOR RO UNITS

SCALE BAN

Save water today...Create for Tomorrow

7 AFFORDABLE AND CLEAN ENERGY



TECHNOLOGY

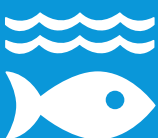


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13 CLIMATE ACTION



14 LIFE BELOW WATER



A SOLUTION FOR SUSTAINABILITY

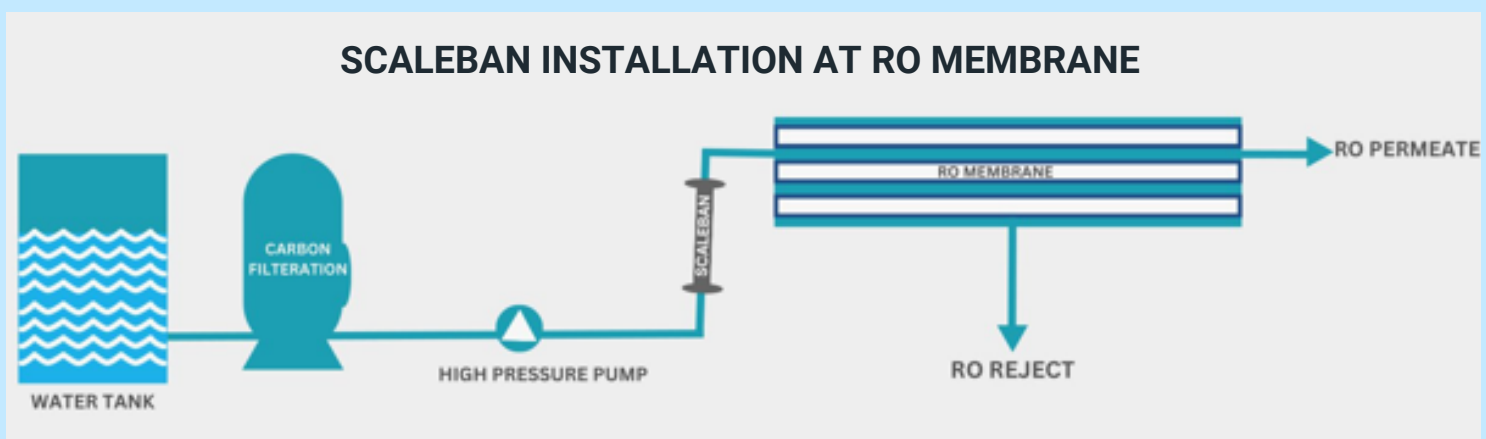
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TECHNOLOGY HIGHLIGHTS

SCALEBAN is a technology based company offering a revolutionary and sustainable technology that eliminates the need of anti-scalant chemicals in RO units.

RO plant processes often rely on anti-scalant chemicals, posing a significant threat to the environment besides the fact that the problem of membrane scaling is not completely resolved. **SCALEBAN** prevents scaling and addresses these concerns by completely eliminating the use of harmful chemicals, and promoting sustainable & green water treatment practices, which is the need of the hour.



SCALEBAN is a pipe shaped equipment which works on galvanic principle and gets installed at the RO membrane inlet line after the high pressure pump (HP). This innovative technology converts all the hardness-causing salts into fine colloidal particles before entering the RO membrane. These colloidal particles having size of 0.5 micron bigger than the membrane hole size which can not enter in the membrane and come out in RO reject, resulting in prevention of salt deposition in RO membranes, and ensuring efficient operation.

KEY BENEFITS OF SCALEBAN

- Elimination of anti-scalant chemicals
- Elimination of Softner (Resin)
- Reduction in wastewater generation during Softner regeneration
- Improved life of membrane
- Reduction in CIP frequency
- Reduction in maintenance cost
- Elimination of chemicals resulting in pollution prevention
- Potential energy saving due to reduced fouling and scaling
- Life of SCALEBAN equipment 20 years

SCALEBAN is selected on the basis of

- A) Water Flow (m^3 /hr.) rate
 B) Diameter of Cooling Water Line

MODEL	PIPE DIAMETER (inch)	Minimum FLOW (m^3 /hr.)	maximum FLOW (m^3 /hr.)
SEB-01	3/8	0.5	1.1
SEB-02	1/2	1.0	1.7
SBB-01	3/4	1.5	3.3
SBB-02	1	3.0	4.8
SBC-01	1-1/4	4.5	8.0
SBC-02	1-1/2	7.5	13.3
SBC-03	2	12.0	21.0
SBD-01	2-1/2	19.0	27.5
SBD-02	3	25.0	44.0
SBD-03	4	40.0	93.0
SBD-04	5	85.0	143.0
SBE-01	6	133.0	210.0



SCALEBAN LOCAL PARTNER

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