

B & V 'Reverse Osmosis Chemicals'

Reverse Osmosis Antiscalants

Key

- ✓ Best choice
- Effective
- ✗ Not recommended

B & V Code	Dose Rate / ppm	Water	Application	Plant Size	CaCO ₃	CaSO ₄	BaSO ₄	SiO ₂	Ca ₃ (PO ₄) ₂	Mg(OH) ₂	Fe/Mn
BV211	2 - 4	All	Broad spectrum	Med/Large	✓	—	—	—	—	—	✓
BV706	2 - 4	All	Broad spectrum	All	✓	—	—	—	—	—	✓
BV884	50	Brackish	Dechlorination	Small/V Small	✓	—	—	—	—	—	✓
BV789	3 - 5	Brackish	High sulphate high LSI	All	✓	✓	—	—	—	—	✓
BV705		Brackish	Barium sulphate specific	All	✗	—	✓	—	✗	—	—
BV731	1 - 5	Brackish	High silica waters	All	—	—	—	✓	—	—	—
BV906		Brackish	Calcium phosphate specific	All	—	—	—	—	✓	—	—
BV885	25	Brackish	Broad spectrum	Small/V Small	—	—	—	—	—	—	—
BV862	0.8 - 1.5	Sea water	Broad spectrum	All	✓	✗	✗	—	—	✗	✗

The dose rates given here are general guidelines only. See product data sheet for more detailed dosing instructions. The compatibility of a proposed treatment regime must be checked against the membrane manufacturer's guidelines.

Reverse Osmosis Membrane Cleaners

B & V Code	Application Rate (%)	Foulants								
		Calcium Carbonate	Calcium Sulphate	Barium Sulphate	Silica	Calcium Phosphate	Magnesium Hydroxide	Iron	Organics	Biofilms
BV710	1 - 2	✓	—	—	✗	✓	✓	✓	✗	✗
BV711	1 - 2	✓	—	—	✗	✓	✓	✓	✗	✗
BV712	3 - 4	✓	—	—	✗	—	—	—	✗	✗
BV713	3 - 4	✓	—	—	✗	—	—	✓	✗	✗
BV714	2 - 3	—	✓	✓	—	✓	—	✓	✓	✓
BV707	20	—	—	—	—	—	—	—	—	—
BV708	10	—	✓	✓	—	✓	—	✓	✓	✓
BV709	10	—	—	—	—	—	—	—	✓	✓
BV718	1-2	✗	✗	✗	✗	✗	✗	✗	—	—
BV723	0.5 - 1	✗	✗	✗	✗	✗	✗	✗	✓	✓
BV720	1 - 2	—	✓	✓	—	✓	—	✓	✓	✓

The dose rates given here are general guidelines only. See product data sheet for more detailed dosing instructions. The compatibility of a proposed treatment regime must be checked against the membrane manufacturer's guidelines.

Reverse Osmosis Biocide Range

B & V Code	Active	Application Range	Kills and Controls			Applications		
			Algae	Fungi	Bacteria	Static Soak	Continuous Injection	Membrane Cleaning
BV725	Peracetic Acid	0.3 - 0.5%		✓	✓	✓		✓
BV726	Peracetic Acid	0.1 - 0.2%		✓	✓	✓		✓
BV727	Isothiazolinine	300 ppm	✓	✓	✓	✓	✓	✓
BV728	Isothiazolinine	150 ppm	✓	✓	✓	✓	✓	✓
BV729	DBNPA	200 – 400 ppm	✓	✓	✓	✓		✓
BV730	DBNPA	50 – 100 ppm	✓	✓	✓	✓		✓
BV253	Stabilised Bromine	Use with caution	✓	✓	✓		✓	

The dose rates given here are general guidelines only. See product data sheet for more detailed dosing instructions. The compatibility of a proposed treatment regime must be checked against the membrane manufacturer's guidelines. It is important to note that depending on the condition of the membranes before cleaning, there is a risk that applying RO 330 will reduce the salt rejection of the membrane. Therefore, these cleaners need to be used with great care and are only a "last resort" when nothing else can remove the organic materials.