

Nitrate Elimination (drinking water)



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Nitrate Elimination Unit NO₃-...

Duplex softener unit, water volume controlled, for softening iron and manganese free drinking water, automatically working 5-step central valve type 9000 made of red bronze, with adapter for second bottle, 2 pressure tanks made of corrosion free GRP, nitrate selective anion resin of best quality, 1 brine tank with sieve bottom and floating valve, unit preinstalled.



Backflow Preventer and blending valve

If a nitrate elimination filter is connected to the public water net, a water stop valve must be used before the unit. If the water pressure of the tap water is below the minimum pressure the water stop valve closes the water line to prevent flow brine of the nitrate elimination filter back to the water net.

A blending valve is useful to mix the treated water with feed water to adjust the wished nitrate concentration.

Technical data of AquaCare Nitrate Elimination Filter:

Type of unit	NO ₃ -0010×2	NO ₃ -0015×2	NO ₃ -0025×2	NO ₃ -0030×2	NO ₃ -0045×2	NO ₃ -0060×2	NO ₃ -0070×2	NO ₃ -0100×2
Capacity in g nitrate *	40	60	100	120	180	240	280	400
Min. flow in m ³ /h	0.08							
Max. flow in m ³ /h	0.4	0.6	1.0	1.2	1.8	2.4	2.8	4.0
Volume of resin per bottle in l	10	15	25	30	45	60	70	100
Salt needs in kg per regeneration	2.4	3.6	6.0	7.2	10.8	14.4	16.8	24
Water needs in m ³ per regeneration	0.11	0.16	0.25	0.32	0.45	0.6	0.7	1.0
Salt volume in kg	75	75	75	75	150	150	150	200
Height in mm	1200	1200	1200	1200	1650	1650	1650	2000
Wide VAD in mm	1100	1100	1100	1100	1300	1300	1300	1700
Depth in mm	500	500	500	500	600	600	600	800
Connectors	R 1"							
Operation pressure	2.5...6.0 bar							
Operation temperature	4...30°C							
Ambient temperature	4...40°C							
Electrical connection	230 V. 50 Hz							

* The capacity depends on the sulphate concentration: the higher the sulphate concentration the lower the capacity. Attention!

Feed water should free of bacteria and should never exceed following limits: iron 0.1 mg/l (ppm). manganese 0.05 mg/l (ppm). Larger units on request