

SELECTIVE AMMONIA REMOVING FILTER

series FNH4/D-08 - FNH4/D-210

efficiency 0,2 - 6,0 l/h

The process of protein decay in nature or industry may be the reason of polluting the water with ammonia. Ammonia (NH₃) is well dissolving gas, which is highly toxic to water and environment.

Ammonia is most often removed from water with special selective ion exchange sorbents. These resins are regenerated with salt (NaCl). The systems of this type should work constantly and be fully automatic.

Advantages of our ammonia removing systems:

- * Corrosion-proof housing
- * Media lifetime till 20 years
- * High durability tanks
- * Fully automatic (time or volume control)
- * Low operating outlays
- * Water bypass in the control valve, making water flow during regeneration possible
- * Possibility to control the quantity of the salt, used for regeneration, ipso facto the quantity of water between Regenerations
- * Short regeneration time



PROEKO WATER TREATMENT FOR HOME AND INDUSTRY
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eko**
 WATER TREATMENT

Model		FNH4/D-08	FNH4/D-15	FNH4/D-25	FNH4/D-35	FNH4/D-45	FNH4/D-65	FNH4/D-75	FNH4/D-100	FNH4/D-130	FNH4/D-180	FNH4/D-210	
Media	Zeolite quantity [liter]	8	15	25	35	45	65	75	100	130	180	210	
Media tank	Type [inch]	8 x 17	8 x 35	8 x 44	10 x 44	10 x 54	12 x 48	13 x 54	14 x 65	16 x 65	18 x 65	21 x 62	
Valve type		255						268					
Regenerant tank	Volume [l]	35	35	75	75	100	100	100	150	300	300	300	
	Salt quantity [l]	8	15	25	35	45	65	75	100	150	150	150	
Flow ¹	Minimal [l/h]	0,2	0,4	0,6	0,9	1,6	1,8	1,9	2,5	3,0	3,6	4,2	
	Nominal [l/h]	0,5	0,7	1,0	1,3	1,7	2,0	2,2	2,8	3,5	4,1	5,0	
	Maximal [l/h]	1,2	1,5	1,8	2,0	2,3	2,7	3,0	3,5	4,0	4,6	6,0	
Ion exchange capacity	Max [val]	16	30	50	70	90	120	150	200	260	360	420	
	Min [val]	9,6	18	30	42	54	75	90	120	156	216	252	
Salt consumption ²	Max [kg]	2,0	3,7	6,2	8,7	11,2	15,4	18,7	25	32,5	45	52	
	Min [kg]	0,6	1,2	2,0	2,8	3,6	4,8	6,0	8	10,4	14,4	16,8	
Water quantity in cycle ³	Max [m ³]	5,3	10	16,6	23,3	30	42	50	66,6	87	120	140	
	Min [m ³]	3,2	6	10	14	18	26	30	40	52	72	84	
Backwash capacity ⁴	[l/min]	5,32	6,08	6,08	9,12	9,12	12,16	15,2	19	22,8	32,3	32,3	
Recommended backwash time [min.]		10											
Pressure drop ^v [bar]		0,2						0,3					
Working pressure [bar]								2 - 8					
Feed water temperature [°C]								1 - 38					
Power supply [V]								12					
Water connection [inch]								1					
Filter dimensions	A [m]- height	1,05	1,05	1,30	1,30	1,55	1,4	1,55	1,83	1,95	1,95	2,00	
	B [m]- width	0,40	0,50	0,50	0,70	0,70	0,8	0,90	1,00	1,10	1,20	1,40	
Tank dimensions	C [m]- height	0,35	0,35	0,80	0,80	0,60	0,60	0,60	0,60	1,06	1,06	1,06	
	D [m]- width	0,30	0,30	0,30	0,30	0,46	0,46	0,46	0,46	0,62	0,62	0,62	

Unit calculator:

- 3,8 liter/min = 1 GPM
- 1 inch = 2,54 cm
- 1 bar = 1 atm = 15 PSI
- 1 mval/liter = 5 °F = 2,8 °N = 50 mg CaCO₃/dm³

Explanations:

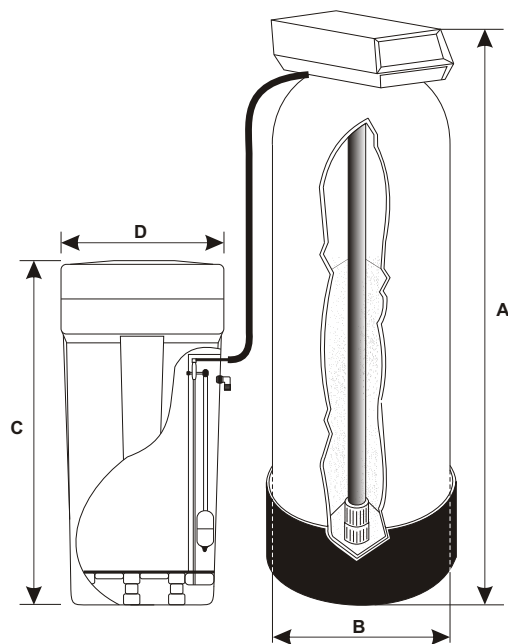
- ¹ for household purposes
- ² tablet salt
- ³ for ammonia contents 10 mg/l., pH = 6,0 - 7,0, Fe < 0,2 mg/dm³ and general hardness up to 3 mval/liter (please contact Proeko in case of other values)
- ⁴ depending on water quality and flow

The components are TUV and PZH certified, conform to the EU directives



We also offer:

- Softeners and Iron Removers
- Special filters
- UV lamps
- Reverse osmosis
- Chemicals dosing systems
- Demineralizers
- Galvanic waters treatment



***Due to the fast technology development we reserve the right to change technical data without prior notice**