

# SELECTIVE AMMONIA REMOVING FILTER

series FNH4/D-130 - FNH4/D-1000

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 (NH<sub>3</sub>) 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  
 95-050 Konstaktynow Łódzki, ul. Srebrzyńska 5/7  
 tel: 42 211 20 64, 42 211 20 19 fax: 42 09 33 03  
 e-mail: proeko@proekojp.pl

[www.proekojp.pl](http://www.proekojp.pl)

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 WATER TREATMENT

Model		FNH4/D-130	FNH4/D-180	FNH4/D-210	FNH4/D-300	FNH4/D-500	FNH4/D-700	FNH4/D-1000	
Media	Zeolite quantity [liter]	130	180	210	300	500	700	1000	
	Type [inch]	16 x 65	18 x 65	21 x 66	24 x 69	30 x 78	36 x 78	42 x 78	
Valve type		Magnum							
Regenerant tank	Volume [L]	300	300	300	550	550	1000	1400	
	Salt quantity [L]	150	150	420	350	350	700	1000	
Flow <sup>I</sup>	Minimal [m <sup>3</sup> /h]	3,2	4,5	5,2	7,5	12,5	17,5	2,5	
	Nominal [m <sup>3</sup> /h]	4,0	5,4	6,5	9,0	14,2	20,5	28,5	
	Maximal [m <sup>3</sup> /h]	5,7	8,0	9,2	12,0	20,5	26,5	41	
Ion exchange capacity	Max [val]	260	360	50	600	1000	1400	2000	
	Min [val]	156	216	252	360	600	840	1200	
Salt consumption <sup>II</sup>	Max [kg]	32,5	45	52,5	75	125	175	250	
	Min [kg]	10,4	14,4	16,8	24	40	56	80	
Water quantity in cycle <sup>III</sup>	Max [L]	87	120	140	200	333	466	690	
	Min [L]	52	72	84	120	200	280	420	
Backwash capacity [L/min.]		6,5	9	10,5	15	25	35	45	
Recommended backwash time [min.]		10				15			
Pressure drop <sup>IV</sup> [bar]		0,2				0,3			
Working pressure [bar]		2 - 8							
Feed water temperature [°C]		1 - 38							
Power supply [V]		220/12							
Water connection [inch]		1 <sup>1/2</sup>			1 <sup>1/2</sup> lub 2			2	
Filter dimensions	A [m]- height	1,95	1,95	1,95	2,05	2,12	2,12	2,40	
	B [m]- width	0,40	0,45	0,53	0,6	0,75	0,9	1,1	
Tank dimensions	C [m]- height	1,06	1,06	1,06	1,14	1,14	1,14	1,14	
	D [m]- width	0,62	0,62	0,62	0,82	0,82	1,16	1,16	

**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 CaCO<sub>3</sub>/dm<sup>3</sup>

**Explanations:**

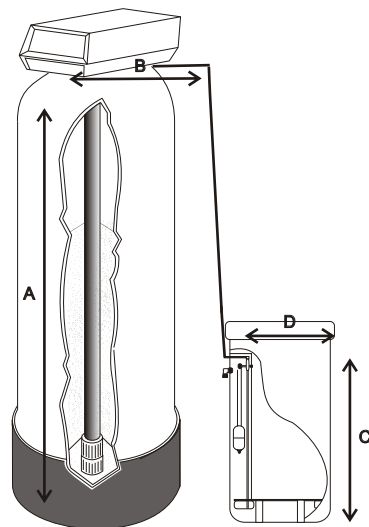
- <sup>1</sup> for household purposes
- <sup>2</sup> tablet salt
- <sup>3</sup> for ammonia contents 10 mg/l., pH = 6,0 - 7,0, Fe < 0,2 mg/dm<sup>3</sup> and general hardness up to 3 mval/liter (please contact Proeko in case of other values)
- <sup>4</sup> depending on water quality and flow

**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**