

SELECTIVE AMMONIA REMOVING COMPACT FILTER

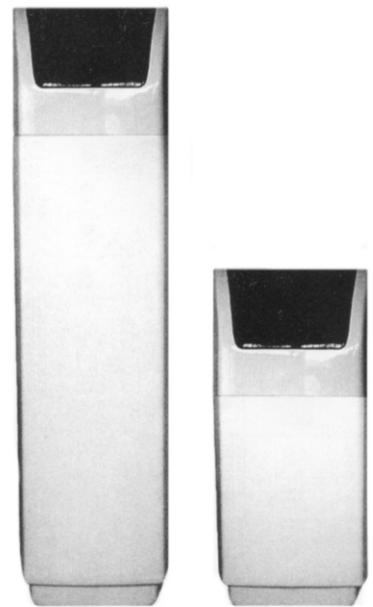
series FNH4-04 - FNH4-30
efficiency 0,1 - 2,0 m³/h

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
95-050 Konstaktyńów 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

Model		FNH4-04	FNH4-06	FNH4-11	FNH4-15	FNH4-20	FNH4-25	FNH4-30
Media	Zeolite quantity [liter]	4	6	11	15	20	25	30
	Type [inch]	7 x 13	7 x 17	8 x 17	7 x 35	8 x 35	9 x 35	10 x 35
Valve type		255	255	255	255	255	255	255
Regenerant tank	Volume [L]	10	15	13	37	35	33	30
	Salt quantity [L]	6	8	17	24	22	19	17
Flow ^I	Minimal [L/h]	0,1	0,15	0,2	0,4	0,5	0,6	0,7
	Nominal [L/h]	0,2	0,4	0,5	0,7	0,9	1,0	1,1
	Maximal [L/h]	0,4	0,9	1,2	1,5	1,7	1,8	2
Ion exchange capacity	Max [val]	8	12	16	30	40	50	60
	Min [val]	4,8	7,2	9,6	18	22	30	40
Salt consumption ^{II}	Max [kg]	1,0	2,3	2,5	4,5	6	7,5	9
	Min [kg]	0,3	0,9	1	1,8	2,4	3	3,6
Water quantity in cycle ^{III}	Max [m ³]	2,6	4	5,3	10	14	16,6	19
	Min [m ³]	1,6	2,4	3,2	6	8	10	13
Backwash capacity [L/min.]		3,8	4,5	5,3	5,3	6,0	6,0	6,8
Recommended backwash time [min.]		10						
Pressure drop ^V [bar]		0,2			0,3			
Working pressure [bar]		1,8 - 8						
Feed water temperature [°C]		1 - 38						
Power supply [V]		12						
Water connection [inch]		1						
Dimensions	A [m]	0,40	0,67	0,67	1,12	1,12	1,12	1,12
	B [m]	0,40	0,40	0,40	0,40	0,40	0,40	0,40
	C [m]	0,30	0,30	0,30	0,30	0,30	0,30	0,30

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:

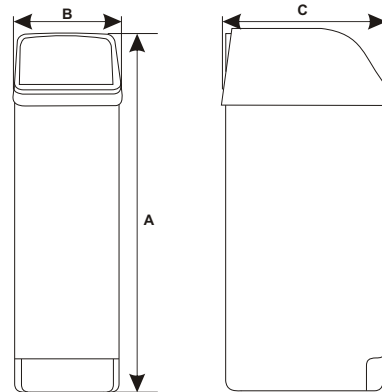
¹ for household purposes

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

NSF TESTED AND CERTIFIED **NSF INTERNATIONAL**
ANSI/NSF STANDARD 61 Drinking Water System Components
- Health Effects

