Water Treatment Systems

SELECTIVE NITRATE REMOVING FILTER

series FNO3/D-130 - FNO3/D-1000

efficiency 3,2 - 41,0 l/h

Ground waters, which are situated near leaking cesspools or agriculture areas, may be polluted with nitrates. These ions have negative influence on human organism, they may be the reason for ischemic heart disease and tumors.

Nitrates are most often removed from water with the use of selective ion exchange resins anion exchangers. These resins are regenerated with salt (NaCl). The systems of this type should work constantly and be fully automatic.

Another way of nitrate (as well as other impurities) removing is partial water demineralization with reverse osmosis systems.

Advantages of our nitrate 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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proeko WATER TREATMENT

WATER QUALITY GUARANTEED

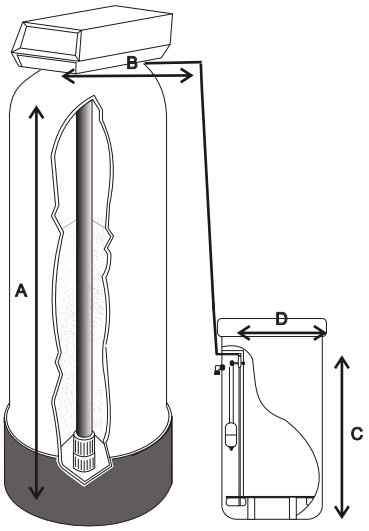
WATER TREATMENT

Model		FNO1/D-110	FNO1/D-150	FNO1/D-210	FNO1/D-300	FNO1/D-500	FNO1/D-700	FNO1/D-1000
Media	Cation exchanger quantity [l.]	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 [1]	Minimal [l./h]	3,2	4,5	5,2	7,5	12,5	17,5	25
	Nominal [l./h]	4,0	5,4	6,5	9,0	14,2	20,5	28,5
	Maximal [l./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 [2]	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 [3]	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 [4] [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				1 ¼ hub 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 $CaCO_3/dm^3$

Explanations:
[1] for household purposes
[2] tablet salt
[3] for nitrate contents of 150 mg/l. and sulfate contents of 20 mg/l (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



Iron remover IR-110 - 720/FA schema

We also offer:
- *Softeners and Iron Removers*
- *Special filters*
- *UV lamps*
- *Reverse osmosis*
- *Chemicals dozing 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

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