

Mineral Filter for producing drinking water



AquaCare GmbH & Co. KG
Am Wiesenbusch 11 - D-45966 Gladbeck - Germany
Tel.: +49 20 43 - 3 75 75 80 Fax: +49 20 43 - 3 75 75 89
www.aquacare.de e-mail: info@aquacare.de

Problematic nature

According to the drinking water regulations water must have a minimum of hardness. Water from reverse osmosis units is extremely soft and does not contain hardness. To add calcium and hydrogen carbonate a mineral filter might be connected after an R.O. unit.

Function

The carbonic acid that is still in the permeate of a reverse osmosis unit is able to dissolve the calcite containing material of the mineral filter. The water will be supplied with calcium and hydrogen carbonate.

General information

If the water contains bacteria or if the water has temperature above 15°C the mineral filter should be disinfected regularly.



Small filters made of PVC and PP



Large filter made of FPR and PE liner

Technical data of the AquaCare mineral filters:

Type	10"	6	10	14	25	30	35	45	90
Order number	AH0001	AH0006	AH0010	AH0014	AH0025	AH0030	AH0035	AH0045	AH0090
Volume in liters	0,7	6	10	14	25	30	35	45	90
Maximum flow at minimum 1°dH, in l/h	6	45	75	103	185	225	260	330	660
Material	PP	FPR housing with PE liner, connecting system made of ABS and PVC-							
Connectors	¼"	¾" (with fittings for R.O. on request)							
Operation pressure in bar (20°C)	0...8	0...6							
Dimensions: diameter × height, in mm	130 × 310	160 × 660	210 × 630	210 × 770	210 × 1090	235 × 1100	260 × 1100	260 × 1200	320 × 1200
Filter material	<i>Turbo granules (porous calcite balls), diameter: 3...5 mm</i>								
Weight empty, in kg	1,1	1,2	1,5	2,1	2,8	3,5	4,2	4,9	9,2
Transport weight, in kg	2,0	8,7	14	20	34	41	48	61	122
Total weight in kg	2,5	12	19	27	47	56	66	84	167