

Activated carbon filter (FRP) with PE liner



AquaCare GmbH & Co. KG
 Am Wiesenbusch 11 • D-45966 Gladbeck • Germany
 ☎ 0 20 43 - 37 57 58-0 • 📠 0 20 43 - 37 57 58-90
 www.aquacare.de • info@aquacare.de

Field of application

- Eliminating colours, odours and other organic substance (max. flow has to be adjusted depending on concentrations and kind of substance)
- Eliminating oxidizing reagents like chlorine and ozone.
- Filtering particles

Function

Water is flowing through the activated carbon bed: oxidizing substances are destroyed and organics are adsorbed.

To flush out particles the filter may be flushed regularly: the normal flowing direction (downstream) is reversed. So particles will be drained. During the flushing process the input water will flow in a bypass.

Features

- Pressure-tight FRP housing with inert PE liner.
- Automatically flushing (hydraulic controlled) with programmable interval.



Technical data of the AquaCare activated carbon filter

Type	AK1054/132 XP0	AK1354/132 XP0	AK1665/250 XP2	AK2469/250 XP2	AK3672/360 AT2	AK4278/360 AT2	AK4882/360 AT2
max. flow, m ³ /h	2,0	3,6	5,2	12,8	26,8	36,4	46,0
Filter velocity, m/h	40						
Filter diameter, mm	257	333	403	616	924	1074	1225
Filter area, m ²	0,05	0,09	0,13	0,30	0,67	0,91	1,15
Operation pressure	2,5...6,0 bar / 36...87 psi						
Operation temperature	4...30°C / 40...86°F						
Ambient temperature	0...40°C / 32...104°F						
Filter connections DN	20	25	32	40	50	65	65
Flushing water flow, ca. m ³ /h	1,5	3,0	4,5	9,0	20	30	40
Flushing water needs, m ³ /FP	0,32	0,5	0,8	1,6	3,5	5	7
Support layer, kg	12	20	40	100	200	300	500
Activated carbon layer, l	40	70	120	300	700	90	1200
Space needs	700×	600×	800×	800×	1000×	1200×	1300×
Wide × Depths × Height, mm	280× 1500	400× 1500	600× 2200	850× 2500	1300× 2500	1600× 2650	1700× 2650