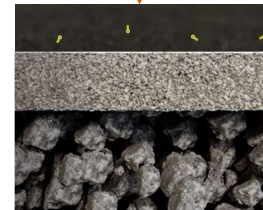
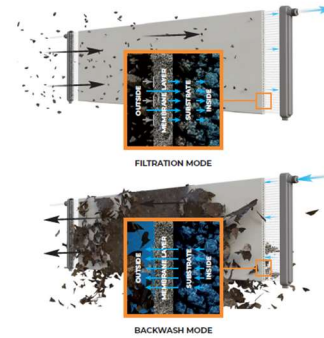


# PFAS removal

Removal of PFAS from ground water with SiC & PAC absorption media

Location	Denmark
Application	PFAS removal with SiC & carbon absorption in one step
Year	2022
Water source	Ground water
Flux rate	150-300 LMH
Recovery rate	>99%
Energy	0,025 kwh/m <sup>3</sup>
Powdered Activated Carbon consumption	<12 mg/l (If PFAS < 100 ppt)

Compound	Site 1 Hedehusene		Site 2 Greve Privat		Site 3 Tune	
	Feed water [ppt]	Filtrate [ppt]	Feed water [ppt]	Filtrate [ppt]	Feed water [ppt]	Filtrate [ppt]
PFBS	2,4	N.D			2,5	ND
PFBA	3,1	N.D			2,8	ND
PFHpA	1,6	N.D				
PFHxS			0,12	ND	4	ND
PFHxA	4,9	N.D			5,1	ND
PFNA						
PFOS	1,5	N.D				
PFOA	2,1	N.D				
PFPeA	3,1	N.D				
<b>SUM</b>	<b>20</b>	<b>N.D</b>	<b>0,12</b>	<b>ND</b>	<b>14</b>	<b>ND</b>



A fine layer of Ultra fine Powdered Activated Carbon is deposited on the membrane surface, forcing all water through this absorption layer.

