

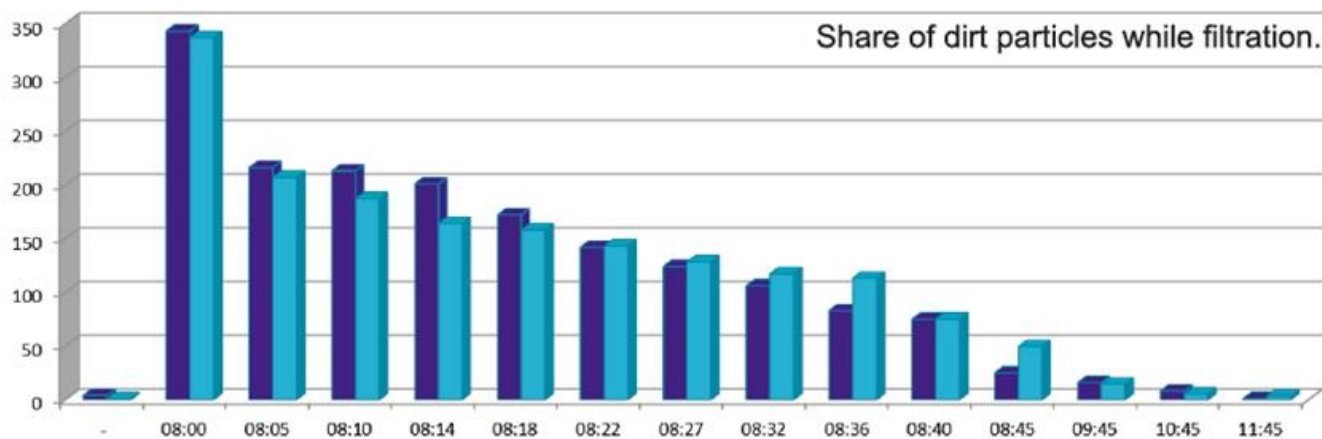


# PureFlow®

a simply ingenious way of filtering



## Filter efficiency of PureFlow



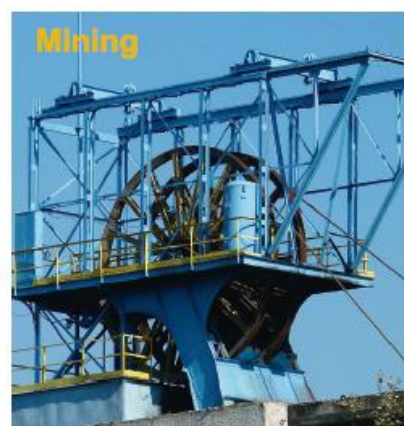


## Example of a Filtration

### 13 filter cycles

example of a filtration with freshwater, contaminated with solid dirt particles from 1 to 50 microns, flow rate 5,5 m<sup>3</sup> - filtering speed 48,5 m<sup>3</sup>/m<sup>2</sup>/h - filter Ø 380 mm - height 850 mm

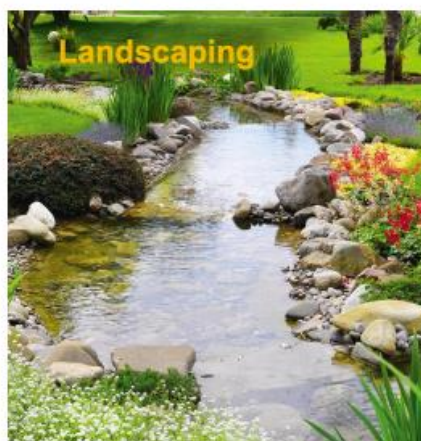
probe/loop	neu- tral	contami- nated	1	2	3	4	5	6	7	8	9	10	11	12	13
elapsed time	-	08:00	08:05	08:10	08:14	08:18	08:22	08:27	08:32	08:36	08:40	08:45	09:45	10:45	11:45
TSS mg / l solids, floating	4,0	343,0	216,0	213,0	201,0	172,0	142,0	124,0	106,0	83,0	75,0	25,0	16,0	8,0	1,0
NTU turbidity values	0,8	337,0	207,0	187,0	164,0	158,0	143,0	128,0	117,0	113,0	74,9	49,4	14,6	5,1	3,3





## More efficiency – more safety

- Suspended solids below 1 micron (0,001 mm) have been filtered in all of our tests series.
- PureFlow offers a very high deposition rate. The backwashable filter is complete adaptively.
- Pureflow adapts to all filter vessel and ensures a high filter-compression. It retains its shape and does not clump.
- The material consists of certified raw materials and offers an application-oriented fiber mix.
- Due to the low resistance a fast flow rate is also at a high.
- Depending on the filter segment, more than 1000 direction changes result in flow.
- Due to the low resistance a fast flow rate is also at a high fiber density ensured.





## Less costs – less effort

- Pure Flow is effective and ingeniously structured. You save a lot of energy as well as repair, maintenance, transport and disposal costs.
- The exchange of the filter is brilliantly simple through the low weight.
- Due to the low resistance PureFlow is filtering out more quickly and more often than other materials in the same time.
- The disposal is environmentally friendly using dual system.
- During pool filtration, the water is pure and clear and the fibers do not dissolve.
- Due to the high separation efficiency there is no need of flocculants.
- Fewer backflush-processes reduce costs for water supply, energy for heating up and costs for wastewater.



## Your safety is our job

- pure fibers (not recycled)
- free of chemical color additives
- no ink-transfer to the water
- no shedding fibers
- no decompose or dissolve of the filter material
- free from harmful substances, free of silver ions
- no release of other substances to the water
- absolut lowest share of spin finish
- laboratory-tested by independent experts
- monitored and certified raw materials from German production

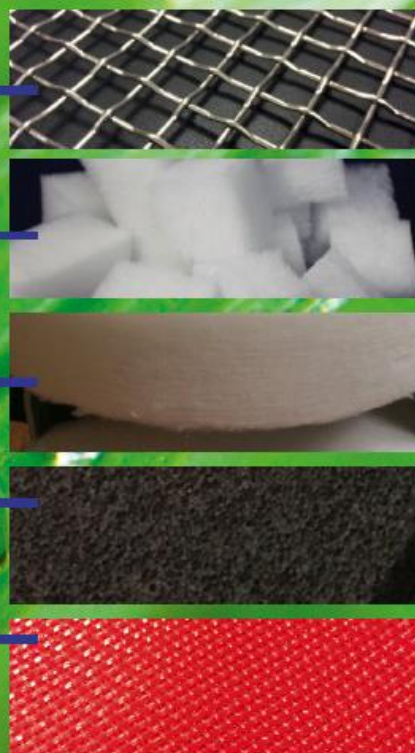
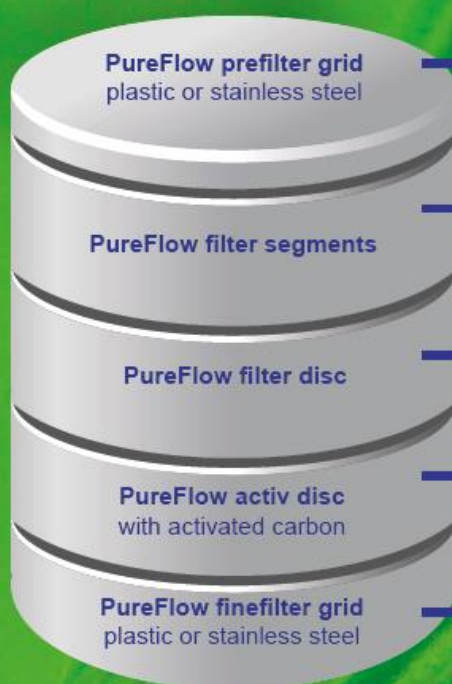




## New idea - more quality

- The development of PureFlow is based on Biodesign studies.
- PureFlow has a regenerative stable fiber shape, even after pressure.
- Pure Flow is self-compacting and offers a maximum surface during filtration.
- PureFlow is subject to ongoing quality controls and inspections by independent laboratories.
- In our own laboratory we gladly perform your individual water analyzes.
- PureFlow is available individual in shapes, fibers, density, different layers and with activated carbon.

Sample of an individual filter



## Filter - by your needs

**Pure Flow** is available in different shapes, densities and fiber compositions, according to your needs. The material is regularly tested in our own laboratory and has been thoroughly tested by independent institutes. We offer customized cartridges and additionally accessories.



PureFlow segments



PureFlow disc



PureFlow layer / grid



PureFlow activ,  
with activated carbon

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