

BERKAL™ Filter

Disc Filtration

Berkal™ disc filtration systems remove contaminants such as fibres, grit, sand and algae.

Flow rates from 10 to 120 m³/hr.

Features & Benefits

- Compact systems with high flow and retention capacities
- Automatic backwashing of individual filters based on time or pressure differential; continual flow, optimised backwash water usage
- Modular design, choice of filtration grades from 20 to 400 µm; highly scalable, flexible
- Combines screen filtration and depth filtration to ensure high contaminant removal rates
- Air assisted backwashing; rinse water consumption is only 0.5% of filtrate capacity
- No consumables; low running costs, minimal maintenance
- Corrosion resistant polypropylene pipework

Applications

- Side stream filtration of cooling tower water
- Pre-treatment to softeners, ion exchangers or membrane systems
- Feed water for irrigation systems
- Prevention of corrosion and blockages within pipework, valves, distributors and other equipment
- Municipal wastewater
- Aquaculture

Options

- Filtration grades (µm): 20, 50, 100, 130, 200, 400
- Backwashing: air aided flushing (standard), internal or external flushing piping: plastic coated steel, stainless steel
- Piping: plastic coated steel, stainless steel

Related Services

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.



System Performance

Model	Flow Rates*	Connections			Backwash Air**	Width	Height	Depth
	m ³ /hr	Raw	Filtrate	Backwash	litres	mm	mm	mm
2/1/100	10-15	Rp 2"	Rp 2"	Rp 2"	46	821	834	408
2/2/100(S)	15-30	DN80	DN80	DN50	46	955	1101	825
2/3/100(S)	30-45	DN80	DN80	DN50	46	1297	1101	825
2/4/100(S)	45-60	DN100	DN100	DN50	46	1597	1129	852
2/5/100(S)	60-75	DN100	DN100	DN50	46	1897	1129	852
2/6/100(S)	75-90	DN100	DN100	DN50	46	2155	1129	848
2/7/100(S)	90-105	DN150	DN150	DN50	46	2455	1156	907
2/8/100(S)	105-120	DN150	DN150	DN50	46	2755	1156	907

Temperature and Pressure Ratings

Temp. Range	Pressure
°C	bar
5-35	0.8-10
5-45	0.8-9
5-55	0.8-8
5-65	0.8-7
5-70	0.8-6.5

*100µm filter

**per filter element at 5-6 bar

(S) S version is with high-grade steel pipe work

For higher flow rates, or other filtration openings consult your local Veolia Water Technologies company, details below.

Visit our website: www.veoliawatertechnologies.com

In keeping with the progressive nature of the company, we reserve the right to amend details without notice.

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