

# Automatic Valveless Gravity (AVG) Filters



## General Specifications

### Filtration Rate

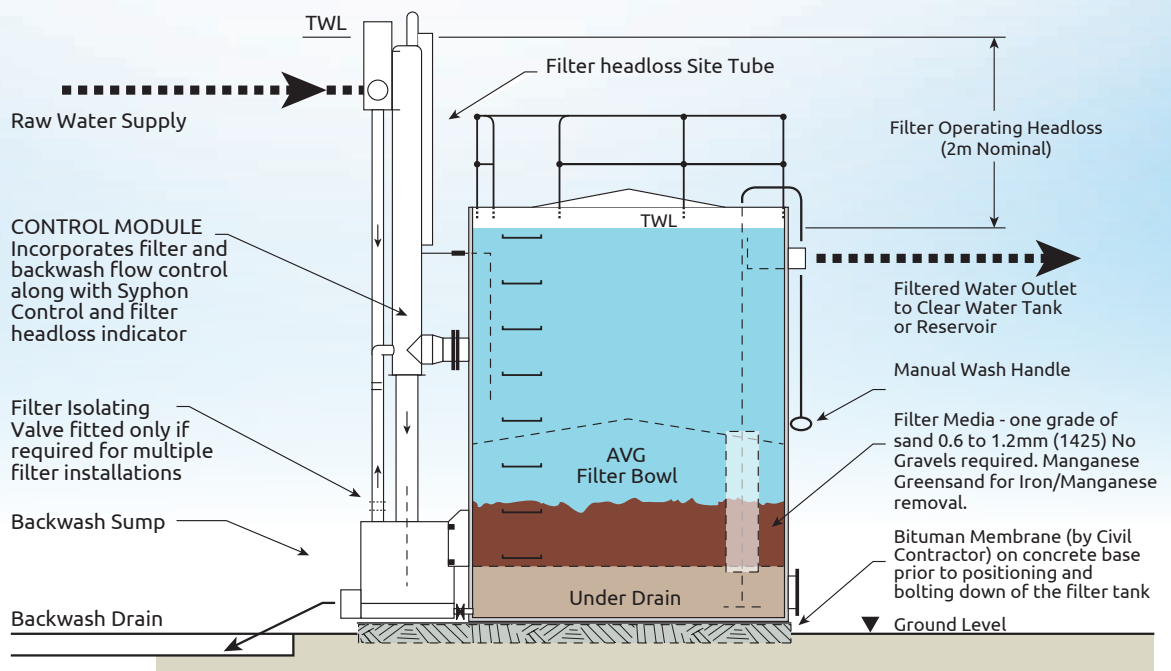
2.5 L/sec/m<sup>2</sup> - 9m<sup>3</sup>/hr/m<sup>2</sup>

### Backwash Rate

15 to 7 mm/sec  
(10 L/sec/m<sup>2</sup> average)

## Features

- Automatic operation, No valves nor backwash pump required
- Backwashes automatically, or by manual initiation
- The Control Module provides all hydraulic functions of the filter inlet, backwash initiation and the wash cycle



## Operation

- Whenever suspended matter removed by the filterbed causes pressure loss to reach a predetermined level, backwash starts automatically
- Flow reverses automatically at end of backwash; during rinse cycle the backwash tank refills and the filter returns to service
- Raw water flow to the plant is not interrupted

Standard Filters										
Model No.	Design Flow			Foot Print m	Inlet Dia mm	Filter Media Volume m <sup>3</sup>	Wash Water Volume m <sup>3</sup>	Shipping - tonnes		
	l/s	m <sup>3</sup> /hr	usgpm					Tank	Module	Media
11	2.2	8	35	1.5 x 2.4	65	0.6	3	0.8	0.2	0.8
15	5	17	75	1.9 x 2.8	80	1.1	5	1.3	0.3	1.4
19	7	25	110	2.3 x 3.2	100	1.8	8	2.6	0.3	2.1
27	14	50	220	3.1 x 4.1	150	3.4	16	3.0	0.3	4.2
33	21	75	330	3.7 x 4.8	150	5.0	24	3.5	0.4	6.5
38	28	100	440	4.2 x 5.4	200	7.0	32	4.0	0.5	8.5
42	35	125	550	4.6 x 6.0	200	9.0	40	5.0	0.6	10.4

**Note:** Multiple filter arrangements often installed to give production flexibility  
All data quoted above subject to confirmation with each individual plant proposal offered

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