

WATEX CMG IRON REMOVAL FILTERS TECHNICAL DATA

Technical specifications	Unit	Model*			
		CMG10	CMG12	CMG13	CMG14
Nominal flow** Q _{nom}	m ³ /h	1.0	1.5	2.0	2.6
Rinse water volume	litres	400	560	680	820
Minimum rinse flow	m ³ /h	2.0	3.0	4.0	5.2
Tank diameter	inches	10	12	13	14
	m	0.25	0.30	0.33	0.37
Tank volume	litres	64	85	110	145
Filter media per tank	litres	43	57	73	97
Overall dimensions					
Width	m	0.25	0.30	0.33	0.37
Height	m	1.57	1.52	1.57	1.87
Connections (in/out/drain)	inches	1"	1"	1"	1 1/4"
Clack control unit		CI 1"	CI 1"	CI 1"	CI 1"
Treatment		Iron, manganese, turbidity, colour			
Tank material		FRP (fibreglass)			
Filter media		Greensand Plus, quartz sand 1x3mm, 3x5 mm			
Operating pressure	bar	2-6			
Power supply		220V, 50Hz, 1 phase			
Power consumption	W	3 W			

* CTG models are analogous to CMG models; CMG control units are additionally equipped with a flow meter.

** Filtration velocity 12 m/h

WATEX CMG series units effectively remove iron from water while also reducing manganese and turbidity. The iron-removal process uses a reagent (blue granules) to provide stable treatment of water with relatively high iron content, which reagent-free iron removal does not provide. Despite the use of a reagent, the water is suitable for drinking and other everyday needs.

WATEX CMG series units use Greensand catalytic filter media. The media oxidises ferrous iron in the water and retains it in the filter. To remove the accumulated iron, the unit regenerates (rinses) automatically. Regeneration uses KMnO₄ (blue granules) to restore the media's ability to oxidise iron. The units have an electronic CLACK TC (USA) control unit that manages automatic regeneration by time. All information is retained in the control unit during a power failure.

The unit requires electricity and a drain connection.

