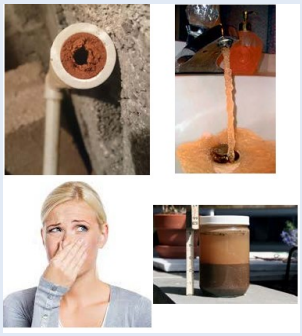
WATEX CMB aeration and filtration



PROBLEM
Rust stains, clogged pipework, pressure loss, unpleasant odour and taste.

CAUSE
Fe^{2+}, Mn^{2+}, H_2S, odour, turbidity, Fe^{3+}, As.

CMB SOLUTION
WATEX CMB oxidation and filtration unit.

WATER SOURCE
Borehole or public water supply.

APPLICATIONS
Homes, cottages, guest houses and restaurants.



- Chemical-free water treatment
- Filter-media service life over 10 years
- Automatic backwash and regeneration by treated-water volume
- Easy installation and operation
- Operation within the pH ranges shown on page 2

Equipment technical data	Unit	CMB10	CMB12	CMB13
Nominal flow Qnom	m^3/h	0.6	0.9	1
Maximum flow Qmax	m^3/h	3.0	4.0	5.0
Minimum backwash flow	m^3/h	1.6	2	2.6
Minimum backwash flow	l/min	27	33	43
Water per regeneration	l	~160	~220	~270
Diameter × height	mm	250 × 1570	300 × 1520	330 × 1570
Dry weight	kg	71	105	125
Inlet/outlet/drain connections	in	1” / ¾”		
Automatic control valve		Clack WS1 CI, volume- and time-controlled regeneration		
Tank material		PE-lined fibreglass-composite pressure vessel		
Filter media		Catalytic AquaMandix and graded quartz sand		
Power consumption	W	10		

Quartz-sand fractions: 0.4–0.8, 0.7–1.25, 1–3 and 3–5 mm.

Description and operating limits



CMB installation arrangement

WATEX CMB removes dissolved iron, manganese, hydrogen sulphide, odour and turbidity by oxidation and filtration. An air cushion, catalytic AquaMandix and graded quartz sand retain impurities without adding chemicals. Regeneration has two stages: backwash and air replenishment.

Requirements for correct operation

Drain connection; 220 V, single-phase supply; water pressure 2–6 bar; room temperature above 0 °C; water temperature up to 25 °C; professional installation.

Filter operating limits	
Maximum oxidised iron (Fe^{3+})	15 mg/l
Maximum dissolved iron (Fe^{2+})	3 mg/l
Maximum total manganese	0.1 mg/l
Maximum hydrogen sulphide (H_2S)	5 mg/l
pH for iron (Fe^{2+}) removal	6.8–9.0
pH for manganese removal	8.0–9.0

Organic matter, humic substances, ammonia, chlorine, hardness salts and other contaminants may shorten filter-media service life.



Control valve CLACK WS1 CI: automatic filter-media backwash.

Air cushion: oxidation of iron.

Filter-media bed: retains impurities.



Air-injection system: replenishes the air cushion.

Optional equipment

- Tank condensation-insulation jacket
- Bypass valve for easier installation
- Integrated water meter for volume-initiated regeneration
- Service kit: wrench and two injectors

Product details

Scan the code for this model in the document language.

CMB10 **CMB12** **CMB13**