

## WATEX CMB aeration and filtration



### PROBLEM:

Rust, Stain, Clogged pipes, Pressure drop, Odor, Bad taste

### Reason:

$Fe^{2+}$ ,  $Mn^{2+}$ ,  $H_2S$ , Odor, NTU,  $Fe^{3+}$ , AS

### Solution with CMB:

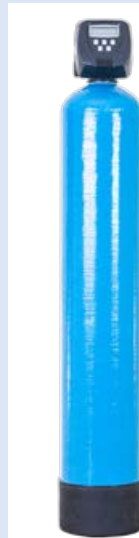
Oxidation and filtration unit WATEX CMB

### Water Source:

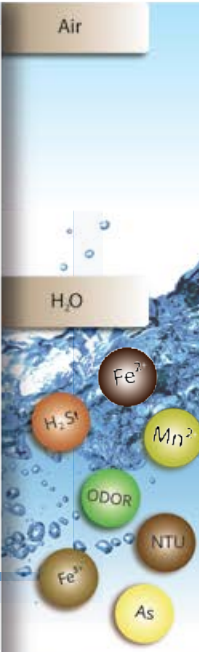
borehole, central supply

### Application:

household, private houses, cottages, guest houses, restaurants



- No chemical additions
- Filter service lifetime more than 10 years
- Automatic purification and regeneration by volume
- Easy installation and operation
- Effective working system even at low pH and high content of organics



Technical parameters of equipment	Unit	Model		
		CMB-10	CMB-12	CMB-13
Flow rate $Q_{nom}$	m <sup>3</sup> /h	0,6	0,9	1
Flow rate $Q_{max}$	m <sup>3</sup> /h	3,0	4,0	5,0
Minimum flow rate for rinsing	m <sup>3</sup> /h	1,6	2	2,6
	liters/min	27	33	43
The amount of water for one regeneration	liters	~160	~220	~270
Diameter x height	mm	250 x 1570	300 x 1570	330 x 1580
Weight (empty)	kg	71	105	125
Water – drain connection	inches	1" – 3/4"		
Automatic control unit		Clack WSCI volume & time controlled		
Tank material		Composite material – inline PE with fiberglass outside coating		
Filtration media		AquaMandix catalytic filter media, quartz sand of various fractions		
Electricity consumption	W	10		

Aqua Mandix

Quartz sand 0.4x0.7 mm

Quartz sand 1x3 mm

Quartz sand 3x5 mm



## Description

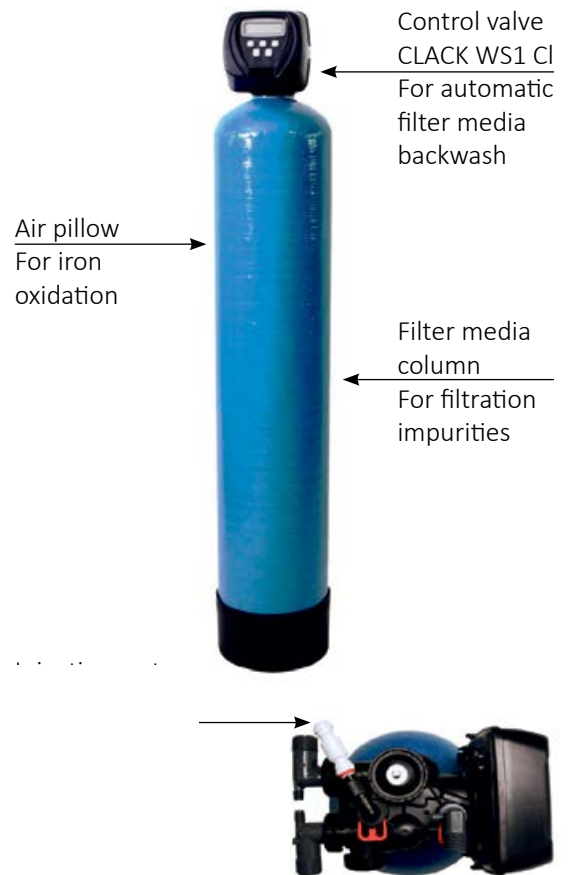
Simple, reliable water purification system Watex CMB effectively removes dissolved iron, manganese, smell, turbidity by oxidation and filtration through oxygen pillows, active sand Aqua- Mandix and quartz sand. Oxidation and filtration process ensure no chemical addition and simple regeneration only by two cycles – backwash and oxygen refill.

## Requirements for normal work of equipment:

- Connection to drain
- Electricity connection 220 V, 1 phase
- Water pressure 2- 6 bar
- Room temperature above 0° C
- Water temperature to 25° C
- Proper installation

### Filter operating restrictions:

Max. oxidized iron (Fe <sup>3+</sup> ) content	15 mg/l
Max. dissolved iron (Fe <sup>2+</sup> ) content	3 mg/l
Max. oxidized manganese (Mn <sup>2+</sup> ) content	1 mg/l
Max. hydrogen sulphide (H <sub>2</sub> S) content	5 mg/l
pH for iron (Fe <sup>2+</sup> ) removal	6.8-9.0
pH for manganese (Mn <sup>2+</sup> ) removal	8.0-9.0
Organica, humus substances, ammonia, chlorine, hardness salts and other contaminants does not adversely affect the filter performance, but reduces the lifetime.	



Find more information: [www.watex.eu](http://www.watex.eu)

### Additional equipment options:

- Sweat jacket – condensate isolation for tank
- By-pass valve – for easier assembly
- Water meter built-in unit – provides a rinse of equipment after consumed water volume
- Repair and maintenance kit – Spanner wrench, injectors (2 pcs.)

WATEX headquarters and production facilities are located in Riga, Latvia



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