

BWT Multis

THE EXPERTS FOR SPECIAL CASES



Taking nature as a role model **Multi-layer filtration – our proven process know-how**

Many modern filtering methods have their origins in nature, for example the multi-layer filters. During seepage, the water flows through different layers of soil from sand, gravel or other rocks and is filtered slowly into clear ground water on its journey.

BWT has developed its expertise over many years in the large scale process business for municipalities and the industry. This proven process know-how has now been transferred and condensed in a domestic filter system: The BWT Multi filter range! If it comes down

to remove dirt particles, bad odour and tastes, such as chlorine compounds, but also iron, manganese or even heavy metals e.g. lead copper, nickel and arsen. BWT can offer the right filtration product specifically designed for your needs. The excellent water quality is achieved by the ideal combination of the correct filter media appropriately operated.

Depending on the type of target and water issue we offer different high-end filter media compliant to German DIN standards – for safe and perfect results.



The Multi series – A family of specialists dealing with various challenges of water.

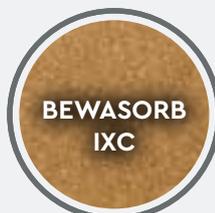
Type	1000	2000	3000	7000	Intended Use	Filter Media
Multi C	■	■	■	■	Removal of dirt particles, chlorine, toxic chlorination by products, bad taste, colour, smell, organics	Bewasorb K 111
Multi S	-	■	■	-	Removal of dirt particles, chlorine, bad taste, colour, smell, organics, iron and manganese	Bewasorb K111 Bewasorb IXC Minox S Filter element ACF
Multi G	-	-	■	-	Removal of sediments and huge amounts of dirt particles	Bewasorb S
Multi AS	-	■	■	-	Removal of arsenic, chlorine, colour, smell, organics and particles	Bewasorb K111 Bewasorb IXA
Multi HM	-	■	■	-	Removal of heavy metals, lead, copper, nickel, chlorine, colour, smell, organics and particles	Bewasorb K111 Bewasorb IXN



BWT filter materials for water treatment

MEETING THE HIGHEST STANDARDS.
TESTED UNDER THE TOUGHEST CONDITIONS.
PROVEN BY MANY YEARS OF OPERATION

- Highest media purity compliant with the strict standards of the German DIN
- High process safety and reliable results over their complete period of use
- Great material resistance that ensures perfect filtering results without adding substances to the water
- Reliable and proven quality 'Made in Germany'





MULTI C

- Proven process know-how condensed into a domestic filter system
- High quality filter media Bewasorb K111
- Automatic volume controlled backwash



MULTI S

- Proven process know-how condensed into a domestic filter system
- High quality multi media filtration system
- Filter Media Bewasorb K111, Minox S & Bewasorb IXC

Multi C

HIGH EFFICIENCY REMOVAL OF CHLORINE

The BWT Multi series offer the unmatched BWT quality standards, high removal efficiency, active monitoring and automatically controlled cleaning cycle, while offering a compact design and user-friendly operation. Effectively removes chlorine, contaminants, sediments, suspended solids and other pollutants. Filter for the removal of dirt particles, colour, bad odour and tastes, such as chlorine compounds etc. Additional removal of iron. Clean water from the first litre onwards. Automatic volume controlled efficient backwash.

Technical specifications: Nominal pressure 10 bar (145 psi), operating pressure 2–8 bar (29–116 psi), water-/ambient temperature, max. 30/40 °C (86/104 °F), electrical connection 230 V/50 Hz, unit voltage 18 V.

Type Multilayer filter C		1000	2000	3000	7000
Nominal connection width	DN	32 (1 1/4 ")			
Max. flow rate	m ³ /h (gpm)	1.0 (8.8)	2.0 (8.8)	3.0 (13.2)	5.0 (22.0)
Nominal flow rate	m ³ /h (gpm)	0.6 (4.4)	1.0 (4.4)	1.5 (6.6)	2.5 (11.0)
Operating pressure	bar/ psi	2–8 / 29–116			
Capacity	l	1000	1800	2400	6400
Height	mm	625	1080	1280	1820
Order no.		13912	13921	13922	13901

For Multi C we offer this replacement kit also- containing support gravel plus Bewasorb K111.

Refill Multi C

Order no.	10863	2-060966	2-060967	2-061060
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Multi S

REMOVAL OF DIRT PARTICLES, CHLORINE & IRON/MANGANESE

Provide reliable protection against dirt particles in the water. They remove dirt sediments and substances from water, contaminants such as iron (up to 1 ppm) and manganese, as well as turbidity, colouring and unpleasant odours and taste e.g. chlorine.

Technical specifications: Nominal pressure 10 bar (145 psi), operating pressure 2–8 bar (29–116 psi), water-/ambient temperature, max 30/40 °C (86/104 °F), electrical connection 230 V/50 Hz, unit voltage 18 V.

Type Multilayer filter S		2000	3000
Nominal connection width	DN	32 (1 1/4 ")	
Max. flow rate	m ³ /h (gpm)	2.0 (8.8)	3.0 (13.2)
Nominal flow rate	m ³ /h (gpm)	1.0 (4.4)	1.5 (6.6)
Operating pressure	bar/ psi	2–8 / 29–116	
Capacity	l	1800	2400
Height	mm	1080	1280
Order no.		13919	13920

For Replacement, activated carbon filter element (ACF) and/or re-filling filter material is available. Regarding filling material, BWT offers special replacement kits containing all different filter media's in the exactly quantity you will need to refill Multi S2000 and Multi S3000. Each kit contains in detail these filter media: a) support gravel, b) Minox and c) multi filter media. We would strongly recommend to replace via replacement kit and filter element.

Refill Multi S	2000	3000
Order no.	2-060995	2-060996
Filter element ACF	2000	3000
Order no.	2-060926	2-060927

OPTIONAL CONNECTION EQUIPMENT

Multiblock X

Type Multiblock X	1"
Order no.	30999

Connection set DN 32/32

Type Connection set	DN 32/32
Order no.	11877

Multi G

HIGH EFFICIENCY REMOVAL OF DIRT PARTICLES

These G series filters are developed for the efficient removal of particles, e.g. sand, rust and loads of sediments from water. Best filter efficacy of 10–20µm is ensured – due to its exactly matching grain size, hardness and angularity of filter gravel. Even with a significant absorption of dirt, the pressure loss remains low and the automatic volume controlled filter head guarantees high level of performance.

Technical specifications: Nominal pressure 10 bar (145 psi), operating pressure 2–8 bar (29–116 psi), water-/ambient temperature, max. 30/40 °C (86/104 °F), electrical connection 230 V/50 Hz, unit voltage 18 V.

Type Multilayer filter G		3000
Nominal connection width	DN	32 (1 1/4 ")
Max. flow rate	m ³ /h (gpm)	3.0 (13.2)
Nominal flow rate	m ³ /h (gpm)	1.5 (6.6)
Operating pressure	bar/ psi	2–8 / 29–116
Capacity	l	2400
Height	mm	1280
Order no.		13892

For Multi G we offer this replacement kit also- containing support gravel plus Bewasorb S.

Refill Multi G

Order no.	2-061117
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Multi AS

HIGH EFFICIENCY REMOVAL OF ARSENIC

The Multi series offer the unmatched BWT quality standards, high removal efficiency, active automatic volume controlled filter with arsenic removal media – Bewasorb IXA. Line extension of the successful Multi-Filter range by a further multivalent. The BWT Multi AS removes arsenic, chlorine, colour, smell, organics and particles

Technical specifications: Nominal pressure 10 bar (145 psi), operating pressure 2–8 bar (29–116 psi), water-/ambient temperature, max 30/40 °C (86/104 °F), electrical connection 230 V/50 Hz, unit voltage 18 V.

Type Multilayer filter AS		2000	3000
Nominal connection width	DN	32 (1 1/4 ")	
Max. flow rate	m ³ /h (gpm)	2.0 (8.8)	3.0 (13.2)
Nominal flow rate	m ³ /h (gpm)	1.0 (4.4)	1.5 (6.6)
Operating pressure	bar/ psi	2–8 / 29–116	
Arsenic removal Capacity	mg	40,000	60,000
Height	mm	1080	1280
Order no.		13887	13886

Regarding filling material, BWT offers special replacement kits containing all different filter media's in the exactly quantity you will need to refill Multi AS 2000 and Multi AS 3000. Each kit contains in detail these filter media:

a) support gravel, b) Bewasorb K111 c) Bewasorb IXA filter media.
We would strongly recommend to replace via replacement kit.

Refill Multi AS

Order no.	2-061155	2-061156
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OPTIONAL CONNECTION EQUIPMENT

Multiblock X

Type Multiblock X	1"
Order no.	30999

Connection set DN 32/32

Type Connection set	DN 32/32
Order no.	11877



MULTI G

- High quality gravel filter media for poor water qualities
- For water with high loads of particles <15 µm
- Low pressure loss and high level performance



MULTI AS

- Multi AS – the range extension of the successful Multi-Family
- High efficient arsenic removal
- Filter Media Bewasorb IXA - Bewasorb K111



MULTI HM

- Multi HM – line extension of successful Multi-Family
- High efficiency heavy metal removal
- Filter Media Bewasorb IXN – Bewasorb K111



DE-IRONING & DE-MANGANIZATION FILTER ERF

Multi HM

HIGH EFFICIENCY HEAVY METAL REMOVAL

The HM series filters, a new BWT product for reliable removal of heavy metals (e.g. copper, nickel and lead), chlorine, colour, smell and organics. Highest BWT quality standards in combination with our new filter Media Bewasorb IXN. The filters are not suitable for oils, grease, solvents, soaps and other lubricating media.. These units are the perfect supplement to complete the BWT Multi Series.

Technical specifications: Nominal pressure 10 bar (145 psi), operating pressure 2–8 bar (29–116 psi) water-/ambient temperature, max. 30/40 °C (86/104 °F) electrical connection 230 V/50 Hz, unit voltage 18 V.

Type Multilayer filter HM		2000	3000
Nominal connection width	DN	32 (1 ¼ ")	
Max. flow rate	m ³ /h (gpm)	2.0 (8.8)	3.0 (13.2)
Nominal flow rate	m ³ /h (gpm)	1.0 (4.4)	1.5 (6.6)
Operating pressure	bar/ psi	2-8 / 29-116	
Heavy metal removal Capacity	mg	50,000	75,000
Height	mm	1080	1280
Order no.		13885	13884

Regarding filter material, BWT offers special replacement kits containing all different filter media's in the exactly quantity you will need to refill Multi HM 2000 and 3000. Each kit contains in detail this filter media:

a) support gravel b) Bewasorb K111 c) Bewasorb IXN

We would strongly recommend to replace via replacement kit.

Refill Multi HM

Order no.	2-061209	2-061210
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OPTIONAL CONNECTION EQUIPMENT

Multiblock X

Type Multiblock X	1"
Order no.	30999

Connection set DN 32/32

Type Connection set	DN 32/32
Order no.	11877

DE-IRONING & DE-MANGANIZATION FILTER ERF

- PROFESSIONAL CONSULTATION IS REQUIRED FOR THE DESIGN OF THIS UNIT. DETAILED INSTALLATION SITE WATER ANALYSIS IS OBLIGATORY.

The filter units of this range are used for the removal of iron in the building services application area. When used according to the instructions, pure water qualities of less than 0.5 mg/l iron and 0.2 mg/l manganese are achievable. Filter casing made of GFK with built in water distribution and attached central control valve. Including filter filling.

Technical specifications: Nominal pressure 8 bar (116 psi), water-/ambient temperature, max 30/40 °C (86/104 °F), electrical connection 230 V/50 Hz, unit voltage 24 V.

Type		ERF 1	ERF 2	ERF 3	ERF 5
Nominal connection width	DN	32	32	32	32
Flow performance max (depend. on Fe/Mn content)	approx. m ³ /h (gpm)	1.0 (4.4)	2.0 (8.8)	3.0 (13.2)	5.0 (22.0)
Filter casing Ø/height	mm	305/1500	405/1930	545/1880	615/2135
Process 1 Order no.		50134	50135	50136	50137
Process 2 Order no. with dosing + dosing unit for KMnO ₄		50134 +50958	50135 +50958	50136 +50958	50137 +50958
Process 3 Order number with oxidation air + compressor		50134 +50959	50135 +50959	50136 +50959	50137 +50959
+ oxidation connection 1/2" AG		+50960	+50960	+50960	+50960
+ automatic ventilation		+50956	+50956	+50956	+50956
Order no.		50953			