behr
Labor-Technik

BOD - Determination of
biochemical oxygen requirements

EN

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Quality made in Germany

BOD - Determination of the Biochemical Oxygen Demand

Even today, the biological oxygen requirements are of fundamental significance in terms of controlling biological waste water treatment plants or the oxygen content in bodies of water.

When determining the biochemical oxygen demand after n days (BODn, n is the incubation time; either 5 or 7), with an expected BOD in the range of 1 mg/l to 6,000 mg/l using the dilution method, in accordance with DIN EN ISO 5815-1 significantly, you considerably reduce personnel output and therefore costs.

» behrotest® BSB mixing equipment is reliable and easy to operate.

» With the matching additional devices - from dilution water container with cooling hose to the recirculation condenser to fine metering device for allylthiourea - entire workstations can be put together.

BOD - Mixing equipment

BSB 4A-2

BSB 31-2

Semi-automatic BOD Mixing equipment

BSB 4A-2 and BSB 31-2

» 1 bzw. 3 graduated mixing column with 1 l content
» three-way stopcock made of PTFE to supply dilution water which is free of air bubbles from below
» behrotest® peristaltic pump
» semi-automatic with level shutoff and rinsing device
» Powerful triangular magnetic stirring bars
» Karlsruhe bottle with stopper
» PVC and Silicone Hose

Type		Art. No.
BSB 4A-2	behrotest® semi-automatic BOD-mixing equipment with 1 graduated mixing column, 1 l content	B00707356
BSB 31-2	behrotest® semi-automatic BOD-mixing equipment with 3 graduated mixing column, 1 l content	B00693929

Technical Data

	BSB 4A-2
Dimensions (W x D x H) in mm (not including the pump) approx.	320 x 580 x 840
Weight (not including the pump)	approx. 12 kg
Nominal voltage	230 V~/50 Hz
Power consumption max.	250 W

Technical Data

	BSB 31-2
Dimensions (W x D x H) in mm (not including the pump) approx.	580 x 580 x 840
Weight (not including the pump)	approx. 20 kg
Nominal voltage	230 V~/50 Hz
Power consumption max.	250 W

BOD - Accessories

BOD - Dosing mechanism

Dosing mechanism complete with dispenser and holder for BOD mixing equipment

Type		Art. No.
DSA	behrotest® Dosing mechanism for allylthiourea, 3 parts	B00217754

Technical Data DSA

Dimensions (Ø x H) in cm approx.	10 x 30
Weight (without a pump) approx.	0,5 kg

KF 250-30

BOD - Bottles with stoppers

The special bottle neck of the Karlsruhe bottles absorbs the water which is displaced by the stopper of the electrode. This construction guarantees clean working and ensures at the same time that the test results are not adulterated by unwanted entry of oxygen into the samples.

Type		Art. No.
KF 100-30	Content 100 ml, Length 30 mm	B00217783
KF 100-60	Content 100 ml, Length 60 mm	B00217784
KF 250-30	Content 250 ml, Length 30 mm	B00217779
KF 250-60	Content 250 ml, Length 60 mm	B00217780
BF 100	BOD bottles with stopper, 100 ml, NS 19 without special bottle neck	B00217785

KF 250-60

Optional plastic stopper

Type		Art. No.
ST 30 K	behrotest® plastic stopper with NS19 for Karlsruher BOD bottle, lenght 69 mm	B00660037
ST 60 K	behrotest® plastic stopper with NS19 for Karlsruher BOD bottle, lenght 97 mm	B00660038

ST 30 K

ST 60 K

BOD - Accessories

VDT

UT 12/630

BOD dilution water container

Including ventilation facility, level display and drain cock. Coloured (protection against light), with lid for easy cleaning.

Without internal stainless steel cooling coil

Type		Art. No.
VD 30	Content 30 l	B00217792
VD 60	Content 60 l	B00217793

With internal stainless steel cooling coil and connection for thermostatic circulator

Type		Art. No.
VDT 30	Content 30 l	B00217796
VDT 60	Content 60 l	B00217797

BOD-Diaphragm pump

Continuously adjustable diaphragm pump to aerate the dilution water in containers with content of up to 60 l.

Type		Art. No.
MP 350	max. capacity (l/h) approx. 1,2- 6,0	B00741403

Technical Data

max. capacity (l/h)	1,2- 6,0
Voltage	220-240 V/50 Hz
Power consumption	5 Watt
Hose connection	5 mm Ø
Dimensions	170 x 75 x 60 mm
Weight	880 g

behrotest® UT 12/630 thermostatic circulator

Maintains the temperature of the BOD dilution water. Regulation by cooling or heating the BOB dilution water to +20°C. Connection for external temperature sensors.

Type		Art. No.
UT 12/630	behrotest® thermostatic circulator	B00693926

Made in Germany

ISO 9001 BUREAU VERITAS Certification

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