



The behr Program Range for Cyanide Distillation in Detail

MADE IN GERMANY

Cy

Equipment

Stock no.	Model	Description
804800524	KTC	Complete Kompakt system for the distillation procedure in the determination of total cyanide, single sample unit, without vacuum pump
804800532	KTC-MR	Complete Kompakt system with magnetic stirrer for the distillation procedure in the determination of total cyanide, single sample unit, without vacuum pump
804800538	KTC-MR-B	Complete Kompakt system with magnetic stirrer for the distillation procedure in the determination of total cyanide in soil samples, with 40 ml absorption vessel
804850020	DBAS	The DET Basic Configuration consists of a temperature-controlled heating block (20 – 300°C) with five 65 mm dia. sample vessel cavities, an external temperature controller/timer and a cooling water distributor
804850021	DGC	Accessory kit for DBAS, including all necessary components for the performance of the distillation step in the total cyanide determination
804850000	CN 6	System for performing liberation and separation steps of total cyanide determination in up to six samples simultaneously.
804860000	CN 6-B	Same as CN 6 above, except with 40 ml absorption vessels for determination of cyanide in soil samples.
804800525	KLFC	Kompakt system for air stripping of easily liberatable cyanide in one sample, without vacuum pump or electrode
804800526	KLFC 2	Kompakt system for air stripping of easily liberatable cyanide in two samples, without vacuum pump or electrode
804800533	KLFC-MR	Kompakt system for air stripping of easily liberatable cyanide with magnetic stirrer
804850022	DLFC	Extension kit for the DGC: Round-bottom vessels and special electrode for the determination of easily liberatable cyanide

Accessories

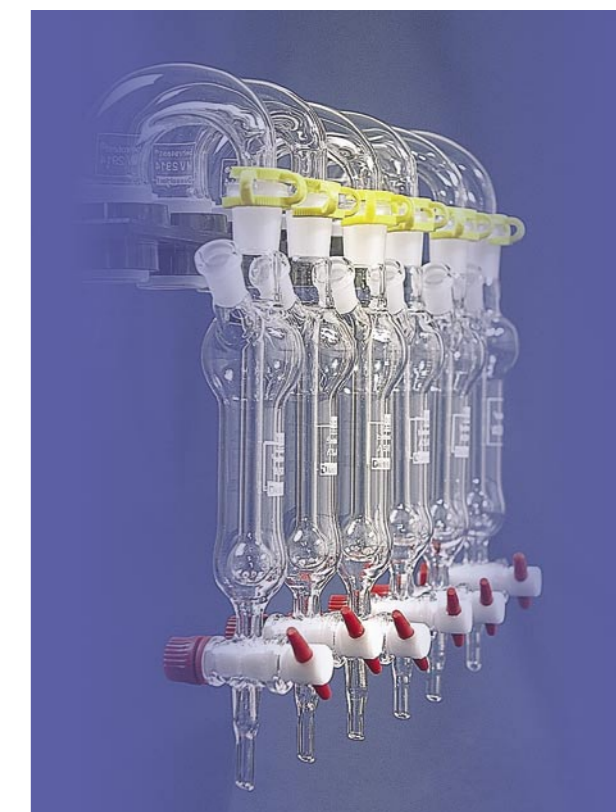
804851010	CE 1	pH electrode for cyanide air stripping (easily liberatable cyanides in systems with 5 or 6 samples)
804881000	CE 2	pH electrode for cyanide air stripping (easily liberatable cyanides in systems with 1 or 2 samples)
804852010	DES 5	Glassware stand, 5 place (for example, for the DBAS with DGC)
804852015	DES 6	Glassware stand, 6 place (for example, for the CN 6/CN 6-B)
804851072	MVP 200	Diaphragm vacuum pump for the Kompakt systems
804851011	MVP 400	Diaphragm vacuum pump suitable for use with the DGC and DGC with DLFC
804851036	MVP 600	Diaphragm vacuum pump suitable for use with the CN 6/CN 6-B
804852016	DES 6-29	Stand for 6 absorption units

Glassware

804851050	CY 500	Round-bottomed sample vessel for easily liberatable cyanide in the DET heating block and for cyanide distillation in the CN 6/CN 6-B
804851001	65/500	Sample vessel, 500 ml, for determination of total cyanide in 5 sample distillation systems
804881003	RAK 500	Round-bottomed, 500 ml, 3 neck flask for use in the Kompakt systems
804841019	ASH/CY	Absorption unit consisting of absorption vessel ASH/CY, adapter tube MV2914, joint clamp SKL 14 and glass tubing nipple TL 1
804841018	ASH	Absorption unit consisting of 40 ml absorption vessel ASH (for soil samples), adapter tube MV2914, joint clamp SKL 14 and glass tubing nipple TL 1
804851031	CGL 3	3-neck adapter for 65/500 and CY 500
804851067	MGL 3/500	Air inlet tube for cyanide distillation in the CN 6/CN 6-B
804851030	GLT 1	Filler funnel for the cyanide determination in the DET heating block
804881004	GLT 2	Filler funnel for the cyanide determination with the KTC and KLFC
804851068	TT 50	Filler funnel with stopcock for the cyanide distillation in the CN 6/CN 6-B and KTC MR/KTC MB-B
804851002	RFK 2	Reflux condenser for the distillation in the total cyanide determination
804851041	GW 250	Gas bubbler flask, 250 ml, without frit

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Determination of Cyanide in Water, Soil and Foodstuffs: Equipment for Liberation and Separation of Cyanide in the Sample Material



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Equipment for Cyanide Distillation

As prescribed in all relevant standard methods for the determination of cyanide, the behr systems for cyanide distillation employ exclusively diaphragm vacuum pumps for the air flow. The system consequently operates under a mild vacuum, which contributes to the safety in the performance of the analysis.



Low cost units: Sample preparation for up to two samples

Complete Kompakt systems for sample preparation in full accordance with standard methods for cyanide analysis. Included are stand, heating module, flow meter(s), mounting(s) hoses and glassware.

Stock no.	Model	Description
804800524	KTC	Kompakt system for distillation in the determination of total cyanide
804800525	KLFC	Kompakt system for air stripping of easily liberatable cyanide
804800526	KLFC 2	Kompakt system for air stripping of easily liberatable cyanide in two samples

	KTC	KLFC	KLFC 2
Approx. dimensions (H x W x D in cm)	71,5 x 23 x 33	71,5 x 23 x 33	71,5 x 28 x 33
Weight	7,5 kg	6,2 kg	6,8 kg
Line voltage	230 VAC, 50/60 Hz	n/a	n/a
Power rating	450 W	n/a	n/a



Reliable cyanide distillation for higher sample work-loads: Systems for simultaneously processing five samples

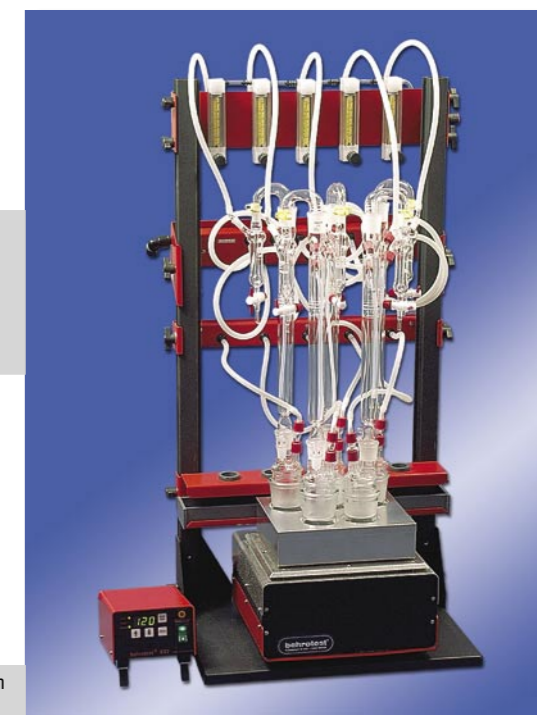
This distillation system is based on our tried and tested DET heating block and consists of the following components:

DET-Basic Configuration

The DET Basic Configuration consists of a temperature-controlled heating block (20 – 300°C) for five sample vessels of 65 mm diameter, an external temperature controller/timer and a cooling water distributor.

DET-Total Cyanide Accessory Kit

Application kit, which includes all necessary components for the performance of the distillation step in the total cyanide determination in conjunction with use of the DET Basic Configuration.



Optional:

DET-Extension Kit for easily liberatable cyanides

Round-bottomed sample vessels and special electrode for determination of easily liberatable cyanides.

Stock no.	Model	Description
804850020	DBAS	DET Basic Configuration as the foundation for complete systems formed by addition of accessory and expansion kits
804850021	DGC	DET-total cyanide application kit
804850022	DLFC	DET-extension kit for easily liberatable cyanides

Dimensions (H x W x D)	approx. 500 x 1000 x 350 mm
Weight of complete system	approx. 37 kg
Line voltage for heating block	230 VAC, 50/60 Hz
Power rating of heating block	1500 W



Excellent recovery rates, even with difficult sample matrices, in water and soil analyses. Simultaneous heating and stirring with the Kompakt distillation units with magnetic stirrers for the cyanide determination

Including stand, heating module, magnetic stirrer, flow meter, mountings, hoses and glassware.

Stock no.	Model	Description
804800532	KTC-MR	Kompakt system with magnetic stirrer for liberation and separation operations in the determination of total cyanide
804800538	KTC-MR-B	Kompakt system with magnetic stirrer for liberation and separation operations in the determination of total cyanide in soil samples (40 ml absorption vessel)
804800533	KLFC-MR	Kompakt system with magnetic stirrer for liberation and separation operations in the determination of easily liberatable cyanides

	KTC-MR(MR-B)	KLFC-MR
Approx. dimensions (H x W x D in cm)	71,5 x 23 x 33	71,5 x 23 x 33
Weight	8,2 kg	7,8 kg
Electrical line voltage	230 VAC, 50/60 Hz	n/a
Power rating	220 W	n/a



Professional sample preparation for cyanide determination in aqueous and soil samples with six sample positions: Simultaneous heating and stirring guarantee a high recovery rate and exact analysis results

Stock no.	Model	Description
804850000	CN 6	System for performing liberation and separation steps of total cyanide determination in up to six round-bottomed or flat-bottomed vessels. Simultaneous stirring and heating performed by means of integrated magnetic stirrer.
804860000	CN 6-B	Same as CN 6 above, except with 40 ml absorption vessels for determination of cyanide in soil samples.
804851010	CE 1	pH-electrode use in the separation step of the determination of easily liberatable cyanides

Dimensions (H x W x D)	Approx. 700 x 1000 x 430 mm
Weight of complete system	Approx. 48 kg
Line voltage for heating block	230 VAC, 50/60 Hz
Power rating of heating block	2000 W

