

# Water Analysis

## Miscellaneous Determinations

### Distillation Equipment for phenol and ammonium nitrogen

#### behrotest® WE 1/H

Water vapour is available virtually immediately, i.e. after a period of maximum 30 seconds. The maximum duration of the water vapour supply – and thus the duration of the distillation – is not specified by a storage vessel inside the unit, but is only dependent on the size of the external container used by the user.

Model	230 V~ Art.-No.	115 V~ Art.-No.
WE 1/H	80 48 52200	80 48 52205

#### Glass kit for phenol distillation in the WE 1/H

Model	Art.-No.
GSPH	80 48 52201

#### Glass kit for ammonium nitrogen distillation in the WE 1/H

Model	Art.-No.
GSAS	80 48 52202

#### Technical data behrotest® WE 1/H

<b>Dimensions in cm (B x H x T)</b>	approx. 29 x 67 x 38	
<b>Weight</b>	approx. 12,8 kg	
<b>Rated voltage</b>	230 VAC/ 115 VAC	50 Hz/ 60 Hz
<b>Power / Current consumption</b>	400 W	3 A/ 6 A
<b>Cooling water flow rate</b>	approx. 5 l/min	
<b>Distillation time</b>	approx. 10 min for each sample	
<b>Storage containers</b>	any size, recommendation: behrotest® Storage tank	



WE 1/H with GSPH

## behrotest® distillation equipment to determine the phenol index and the ammonium nitrogen in accordance with international standards in up to 5 samples simultaneously

International standards specify the distillation of a large liquid quantity within a short period both for the determination of the phenol index and also for ammonium nitrogen. To comply with these provisions it is necessary to have efficient distillation equipment particularly when processing several samples simultaneously.

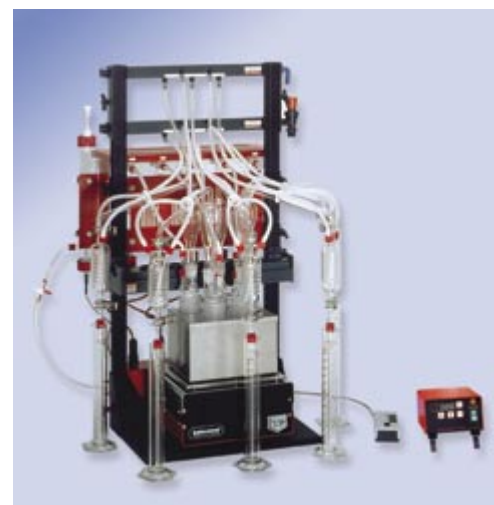
The behrotest® WE 5 Five-in-a-line multiple steam generator provides the simultaneously rapid and gentle distillation of up to five samples. The discharge of steam into the samples guarantees a particularly uniform distillation and thus a high reproducibility of the recovery rates over the entire range.

The five-in-a-line multiple steam generator with a central water supply and level control has been specially developed for this purpose and a patent has been applied for.

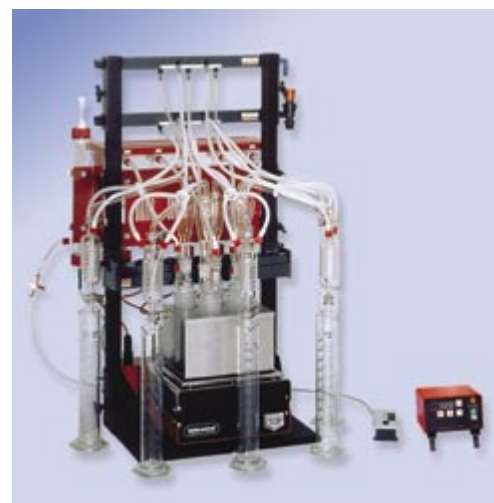
Model	Article description	Art.-No.
WE 5	Five-in-a-line multiple steam generator, with control group and automatic distillation water supply, including standing frame, cooler deposit panel and cooling water distribution strip	80 48 51043
BGWE 5	Basic distillation glassware for WE 5, consisting of 5 reaction vessels 65/750, 5 CGL 3 adapters, 5 MGL 3/750 steam inlet tube, 5 ST 14 cap plugs and 5 PWD 29 distillation bridges	80 48 51060
DET 5	DET 5 Precision heating block with 5 holes of 65 mm	80 48 50005
ET 2	Control unit with decode switch	80 48 20002
WH 5/750	Thermal insulation hood for 750 ml vessels DET 2	80 48 51028
DES 5	Stand for DET 5 glassware	80 48 52010
AGPH 5	Extension glass kit for phenol, consisting of 5 AR 30 inlet tubes, 5 joint clamps and 5 ME 500 graduated cylinders	80 48 51062
AGAS 5	Extension glass kit for ammonium nitrogen, consisting of 5 AR 50 inlet tubes, 5 joint clamps and 5 ME 250 graduated cylinders	80 48 51061

### Technical data for distillation equipment

<b>Voltage</b>	230 VAC
<b>Frequency</b>	50/60 Hz
<b>Current consumption for heating block</b>	8 A
<b>Current consumption for steam generator</b>	10 A
<b>Power consumption for heating block</b>	1500 W
<b>Power consumption for steam generator</b>	2000 W
<b>Weight (incl. glass)</b>	approx. 56 kg
<b>Dimensions in cm (W x D x H)</b>	approx. 50 x 50 x 100



WE 5  
ammonium  
nitrogen



WE 5 phenol