

# Kesternich test systems

**KÖHLER**  
AUTOMOBILTECHNIK



Kesternich cabinets  
according to  
ISO6270-2, DIN 50 017  
DIN 50 018  
ISO 6988

- many possibilities to test because of a modular assembly to the level of a full automation



Combined salt spray  
chambers  
with 400 and 800 litres  
test volume capacity  
according to  
DIN 50 017 /018  
DIN 50 021

- simple operational sequences because of a graphic design feature



Modular-type  
Kesternich equipment  
from basic equipment to  
fully automatic equipment

- solutions for nearly all customized requirements

## Quality instead of corrosion



Condensated water test and Kesternich cabinets 300 -800 litres of different stages of completion to the level of a full automation

## Review

### Kesternich cabinets (ISO 6270-2, DIN 50 017, DIN 50 018, ISO 6988\*\*)

Test chamber capacity	HK310/320	HK410/420	HK810/820
Interior dimensions B x D x H	725 x 500 x 750 mm	750 x 500 x 1000 mm	1000 x 800 x 1000 mm
Exterior dimensions B x D x H	1070 x 570 x 1970 mm 1070x570x1270 with table	1070 x 570 x 2000 mm (with table)	1300 x 1000 x 2000 mm (with table)
Test chamber capacity	300 l	400 l	800 l
Temperature	chambertemp. +5 – 60°C	chambertemp. +5 – 55°C	chambertemp. +5 – 60°C
Temperature (highest temp.)	chambertemp. +5 – 75°C	chambertemp. +5 – 75°C	chambertemp. +5 – 75°C
Input voltage	230V 1P 50/60Hz 1000W	230V 1P 50/60Hz 1400W	230V 3P 50/60Hz 2000W
Compressed air	4,5 – 8.0 bar / 3Nm <sup>3</sup> /h	4,5 – 8.0 bar / 3Nm <sup>3</sup> /h	4,5 – 8.0 bar / 6Nm <sup>3</sup> /h
Door opening	Manually Automatcally <b>HK310 HK320</b>	Manually Automatcally -----	Manually Automatcally -----
Ventilisation	Manually Automatcally <b>HK310B HK320B</b>	Manually Automatcally <b>HK310B HK320B</b>	Manually Automatcally <b>HK310B HK320B</b>
Ventilisation/Disposal	Manually Automatcally <b>HK310BE HK320BE</b>	Manually Automatcally <b>HK310BE HK320BE</b>	Manually Automatcally <b>HK310BE HK320BE</b>
Control/Temperature control	Digital controller with timer	Digital controller with timer	Digital controller with timer

\*\*DIN 50 018, ISO 6988 just with optionale gas metering equipment

### Combined chambers (ISO 9227, DIN 50 021/SS/ESS, DIN 50 017, DIN 50 018, ISO 6988\*\*)

Type	HK400	HK800
Interior dimensions B x D x H	725 x 500 x 1050 mm	1000 x 800 x 1000 mm
Exterior dimensions B x D x H	1070 x 570 x 1970 mm 1070x570x1270 with table	1300 x 1000 x 2000 (m. Tisch)
Test chamber capacity	400 l	800 l
Temperature area Chamber	chambertemp. +5 – 60°C	chambertemp. +5 – 60°C
Temperature area humidifier	chambertemp. +5 – 75°C	chambertemp. +5 – 75°C
Input voltage	230V 1P 50/60Hz 1000W	230V 1P 50/60Hz 2000W
Compressed air	4,5 – 8.0 bar / 3Nm <sup>3</sup> /h	4,5 – 8.0 bar / 3Nm <sup>3</sup> /h
Tank (sep.) standardsupply	140 Liter	140 Liter
Control	Microcomputer with touchpanel	Microcomputer with touchpanel

### Modular Kesternich cabinets

Test chamber capacity	HK300M	HK400M	HK800M
Interior dimensions B x D x H (samples)	725 x 500 x 750 mm	750 x 500 x 1000 mm	1000 x 800 x 1000 mm
Exterior dimensions B x D x H (samples)	1070 x 570 x 1970 mm 1070x570x1270 with table	1070 x 570 x 2000 mm (with table)	1300 x 1000 x 2000 mm (with table)
Test chamber capacity	300 l	400 l	800 l
Temperature	chambertemp. +5 – 60°C	chambertemp. +5 – 55°C	chambertemp. +5 – 60°C
Temperature (highest temp.)	chambertemp. +5 – 75°C	chambertemp. +5 – 75°C	chambertemp. +5 – 75°C
Input voltage	230V 1P 50/60Hz 1000W	230V 1P 50/60Hz 1400W	230V 3P 50/60Hz 2000W
Compressed air for ventilisation	4,5 – 8.0 bar / 3Nm <sup>3</sup> /h	4,5 – 8.0 bar / 3Nm <sup>3</sup> /h	4,5 – 8.0 bar / 6Nm <sup>3</sup> /h

Changes reserved