

HORIZONTAL AUTOCLAVE



+27 60 999 9140

info@microanalytica.co.za

489 Jacqueline Drive, Garsfontein
Pretoria, Gauteng, 0081

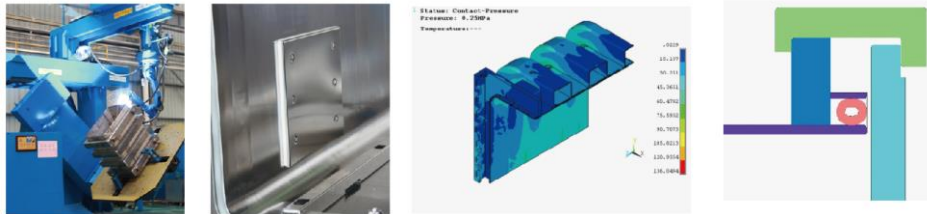
ANALYTICAL EXCELLENCE...

www.microanalytica.co.za

Large Horizontal Autoclave

FEATURES:

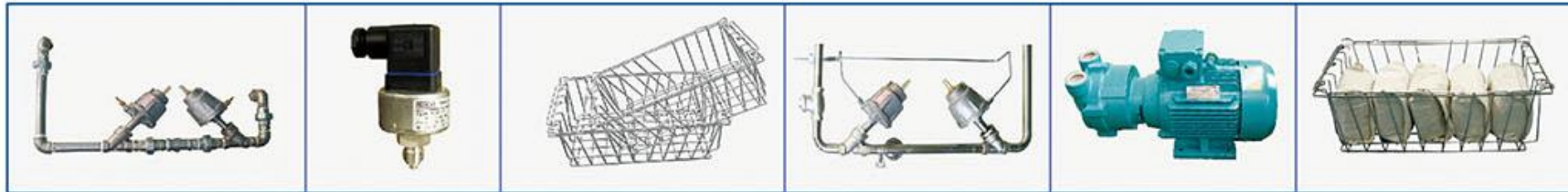
- The acid-proof stainless steel chamber and jacket are automatically robot-welded



- Surface smoothness, $Ra \leq 0.5$, no welding part or bolt in the chamber which effectively protects the items to be sterilized. Steam baffle plates are surrounded by silicon rubber protecting the chamber surface
- Chamber is designed according to a professional analytical method. High emulation software ANSYS was used for chamber simulation. Design service life: 10 years (or 20000 times sterilization)
- Compact designed sealing groove, durable circular hollow silicon gasket, sealed by compressed air
- The door is driven by a motor automatically. Door concave-convex tooth structure ensures safety and durability



BKQ-LRGH-03



imported configuration for the pipe system

Pressure transmitter imported from Germany

Optional basket

Stainless steel health-class pipe stain less steel imported pneumatic valve

Vacuum pump

Loading by basket

- Intelligent pressure transmitters, Wika (Germany), ensure steam pressure detecting and control both in chamber and jacket.
- LNS low-noise and water-saving vacuum system, effectively reducing the noise during running
- Colourful touch screen, 6 indicating lamps on unloading sides, which are concise, showing sterilizing running status and alarm information
- Pipes and components are designed and installed in single side

Scientific Design Parameters, Wide Scope of Application:

Item	Chamber	Jacket
Design Pressure (Mpa)	-0.1/0.3	0.3
Design Temperature (°C)	144	144
Working Pressure (Mpa)	-0.1/0.25	0.25
Max. Working Temperature (°C)	139	139
Safety Valve Open Pressure	0.28	0.28

Loading Side Panel:



7.0" SIEMENS color display touch screen
 CPU226 SIEMENS PLC as central processor

Display Information:

- * Jacket pressure P1
- * Chamber pressure P2
- * Chamber temperature T2
- * Door operation
- * Printer ON/OFF
- * Operator ID and password
- * Alarm display and record
- * Program selection
- * System parameter setting
- * Manual operation
- * Cycle process and values in real time

A variety of program:

- * Fabric 121°C and 134°C
- * Instrument 121°C and 134°C
- * Liquid 121°C
- * Rubber 121°C
- * Flash 134°C
- * Gravity 121°C
- * Automatic leak test
- * User-defined
- * Demo

Unloading Side Panels:



Humanistic indicating system:

- * Back door closing indicating lamp
- * Back door closed lamp
- * Cycle running lamp
- * Cycle end indicating lamp
- * Breakdown indicating lamp
- * Power lamp

Sterilization consumables:



Sterilizer control



Parcel outer control



Loading control



Parcel inner control



Packing control



Record system

Model	Meaning
350	Chamber volume (L)
S/D	Door: S-Double door, D-Single door
No marks/D	Steam supply: no marks-outer steam supply (optional); D-built-in steam generator
A/B	Installation: A-shelf loading; B-Loading by cart and trolley

MODEL SPECIFICATIONS:

Model	Volume	Chamber size (W*H*L)	External size (W*H*L)	Net weight	Power consumption	Power supply
BKQ-140D-A	146L	420*420*830mm	1290*1680*1050mm	425 Kg	2.5KW	380V, 50Hz
BKQ-140DD-A				525 Kg	18KW	
BKQ-140S-A			1290*1680*1100mm	510 Kg	2.5KW	
BKQ-140SD-A				610 Kg	18KW	
BKQ-240D-A	241L	600*600*740mm	1370*1880*950mm	580 Kg	2.5KW	380V, 50Hz
BKQ-240DD-A				660 Kg	24KW	
BKQ-240S-A			1370*1880*1000mm	660 Kg	2.5KW	
BKQ-240SD-A				720 Kg	24KW	
BKQ-350D-A	352L	600*600*980mm	1215*1880*1190mm	780 Kg	2.5KW	380V, 50Hz
BKQ-350DD-A				880 Kg	24KW	
BKQ-350S-A			1215*1880*1240mm	860 Kg	2.5KW	
BKQ-350SD-A				960 Kg	24KW	
BKQ-350D-B			1215*1880*1190mm	880 Kg	2.5KW	
BKQ-350DD-B				1000 Kg	24KW	
BKQ-350S-B			1215*1880*1240mm	960 Kg	2.5KW	
BKQ-350SD-B				1080 Kg	24KW	
BKQ-650D-B	655L	610*910*1180mm	1310*2070*1370mm	1170 Kg	4KW	380V, 50Hz
BKQ-650DD-B				1270 Kg	46KW	
BKQ-650S-B			1310*2070*1420mm	1270 Kg	4KW	
BKQ-650SD-B				1370 Kg	46KW	

BKQ-810D-B	810L	610*910*1460mm	1310*2070*1650mm	1260 Kg	4KW	380V, 50Hz
BKQ-810DD-B			1360 Kg	61KW		
BKQ-810S-B			1310*2070*1700mm	1360 Kg	4KW	
BKQ-810SD-B				1460 Kg	61KW	
BKQ-990D-B	999L	610*910*1800mm	1310*2070*1990mm	1300 Kg	4KW	380V, 50Hz
BKQ-990DD-B				1400 Kg	61KW	
BKQ-990S-B			1310*2070*2040mm	1400 Kg	4KW	
BKQ-990SD-B				1500 Kg	61KW	
BKQ-1200D-B	1203L	680*1180*1500mm	1450*1990*1710mm	1950 Kg	5KW	380V, 50Hz
BKQ-1200S-B			1450*1990*1760mm	2050 Kg	5KW	
BKQ-1500D-B	1500L	680*1180*1870mm	1450*1990*2080mm	2111 Kg	5KW	380V, 50Hz
BKQ-1500S-B			1450*1990*2130mm	2211 Kg	5KW	