

OPSIS LiquidLINE KjelROC Digestors

A New Era in Digestion



A NEW ERA IN DIGESTION

KjelROC Digestors, bringing robust design and innovation to traditional Digestion.

- All KjelROC Digestors offer Automatic programs, programmable temperature, time and alarm sounds.
- KjelROC Digestor Advanced with automatic or manual 3-step Motor lift
- All KjelROC Digestors use reliable and carefully selected materials which reduce maintenance costs

AUTOMATIC PROGRAMS SAVE TIME

- Automatic programs on all KjelROC Digestors make it easy to start a digestion
- Alarm signal and/or automatic cooling simplifies surveillance of the process, you will get notified when it is time to go back

AUTOMATION SAVE TIME AND REDUCES COSTS

- KjelROC Digestors Advanced model saves even more time with fully automatic motor lift

OPSIS LIQUIDLINE REDUCES MAINTENANCE COSTS

- All Digestors and Scrubbers built with high endurance materials. Special chemical resistant PTFE coating on cover to protect from acid stains. Saves cost for maintenance.

KJELROC DIGESTORS

The KjelROC Digestors portfolio offers digestion possibilities for any lab. You can digest 10 or 20 tubes simultaneously, manually or with automatic programs and even with motor control

AUTOMATIC, FAST AND SILENT

All KjelROC Digestors includes automatic programs as well as the possibility to define your own digestion cycle.

All this reduces maintenance costs, saves time and makes the work safer.

- 1 Pre-heat program and 4 pre-defined programs
- 103 customizable S- and P- programs on Auto version (54 customizable on Advanced). Up to 255 steps on S-programs. Manual programming of time and temperature.
- User defined behaviour at end of digestion, automatic switch-off of heating element and different settings for alarm signals
- Fast heating, from 20°C to 450°C within 45 minutes
- Calibration Feature. Possible to calibrate heating against external temperature probe
- Easy switch between Celsius and Fahrenheit degrees



THE KJELROC AUTO CAN BE EQUIPPED WITH A FIXED COOLING STAND - TO MAKE IT EASY TO COOL YOUR RACK AND FOR PLACEMENT OF YOUR EXHAUST.

3-STEP AUTOMATION LIFT*

The Advanced KjelROC Digestors offer easy to use motor lift with 3-step automation; heating-, cooling- and load positions.

Motor can be controlled manually, as part of a temperature/time program or as part of the pre-loaded digestion programs. The KjelROC Automation Lift reduces the work load in the lab and saves costs.

- Automatic control of motor within the Pre-set programs
- Intelligent instrument feedback will instruct the operator when to place the rack in holder and automatically move the rack to cooling position after digestion
- Safety system with manual override at all times
- Specific load position at ergonomically correct height



THE DIGESTOR ADVANCED IS EQUIPPED WITH A MOTOR LIFT. THIS IMPROVES THE CONTROL OF THE DIGESTION PROCESS AND REDUCES HAZARDS FOR THE LAB PERSONNEL.

* Motor lift only available in Digestor Advanced

RELIABLE AND SAFE

All KjelROC Digestors are built to withstand high temperatures and highly corrosive environments - all materials are carefully selected - from special chemical resistant PTFE coating to Viton tubes.

The KjelROC Digestors are recommended to be installed with a KjelROC Exhaust manifold to reduce fumes in the lab and prolong the life of your KjelROC.

- Special chemical resistant PTFE coating on top covers to protect against stains from acid.
- Solid PTFE rings specially designed to seal against the tubes, withstand the demanding environment and reduce maintenance costs
- Exhaust manifolds with Borosilicate glass
- An automatic self test will warn the operator in case of instrument failure and lock instrument until Service has been performed.
- Indicator light to warn if block program is running

KJELROC SCRUBBERS

A Scrubber is recommended for fume control and in areas where water is expensive. The KjelROC Scrubber can save costs.

RELIABLE AND EASY WITH A SMALL FOOTPRINT

The KjelROC Scrubbers are built to work in an environment with an excess of corrosive fumes and high heat. All materials are carefully selected.

- Cooler and containers in Borosilicate glass and connection tubes in Viton, in order to withstand the demanding environment and reduce maintenance costs
- Small footprint makes it easy to install the Scrubber close to the KjelROC Digestor
- Easy access to exchange containers, which are all made in high quality Borosilicate Glass.



NO WATER IS NEEDED

The KjelROC Scrubber does not require any tap water and there is a build-in pump for suction power.

OPTIONS

All KjelROC Scrubbers can be supplied with optional configuration

- Water cooler and Water Accessory to even further increase the efficiency of the fume extraction.
- Water Trap for digestion of liquid samples
- Accessible 6-step suction control to regulate suction power

DIGESTOR OPTIONS

The KjelROC Digestion portfolio offers something for most labs



DI-050-A1, Fixed cooling stand 10
DI-050-A2, Fixed cooling stand 20
to mount on Digestor Auto, for both
Tube Rack and Exhaust



DI-030-A1, Exhaust 10
DI-030-A2, Exhaust 20



DI-110-A, KjelROC Scrubber



DI-054-A1, Water Jet Pump/Ejector 10
DI-054-A2, Water Jet Pump/Ejector 20



DI-001-A, Upgrade kit with Motorlift, from Auto 10 to Advanced
DI-002-A, Upgrade kit with Motorlift, from Auto 20 to Advanced



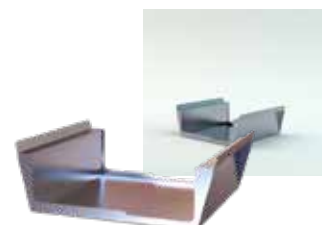
TU-214-A, 250 ml Tubes
TU-223-A, 450 ml Tubes
TU-221-A, 750 ml Tubes



TU-222-A, Boiling Rods



KT-200-Series
Kjeldahl Tablets



DI-051-A, Cooling stand
for Tube Rack



DI-010-A, Rack 10
DI-020-A, Rack 20



DI-052-A2, Washing Lid 20

DI-211-A, KjelROC Digestor Auto 10
DI-220/221-A, KjelROC Digestor Auto 20

Our standard Digestion block with capacity
for 10 or 20 tubes, one rack included and
exhaust for DI-211/221-A

DI-310-A, KjelROC Digestor Advanced 10
DI-320-A, KjelROC Digestor Advanced 20

Our standard advanced Digestion block
with motor lift. one rack and exhaust
included.



DI-111-A, Water Trap for Liquid Digestion

KJELROC DIGESTORS, DI-210/220/221/310/320-A

Technical Data	
Operating Temperature	5°C - 40°C, max 80 % relative humidity
Power Supply	190-240 VAC, 50-60 Hz, 10A
Power consumption	max 1200 W (10 position) max 2200 W (20 position)
Dimensions (WxHxD)	360 x 132 x 329 mm (10 position) 360 x 132 x 439 mm (20 position)
Weight	12 kg without rack/exhaust (10 position) 18 kg without rack/exhaust (20 position)
KjelROC Digestors Auto	4 pre-installed and 103 customizable programs (up to 255 steps on S-programs), programmable temperature and time, setting of Celsius or Fahrenheit, setting of Alarm behaviour, Calibration of Temperature
KjelROC Digestors Advanced	4 pre-installed and 54 customizable programs (up to 255 steps on S-programs), programmable temperature and time, setting of Celsius or Fahrenheit, setting of Alarm behaviour, Calibration of Temperature, Automatic Motor Lift with Exhaust

KJELROC SCRUBBER, DI-110

Technical Data	
Operating Temperature	5°C - 40°C, max 80 % relative humidity
Power Supply	190-240 VAC, 50-60 Hz, 10A
Power consumption	75 Wv
Dimensions (WxHxD)	330 x 470 x 335 mm
Weight	14 kg

Specifications subject to change without notice

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