

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 SAVES 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 SAVES TIME AND REDUCES COSTS

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

OP SIS 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.

- Several automatic programs, with multiple pre-set heating levels
- Manual programming of time and temperature
- Special Pre-heating program
- 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
- Easy to 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.
- Thick 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. Small footprint and ease of use has been prioritised when designing the KjelROC Scrubbers.

- 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
- Reagent containers with a volume of 2 litres each, minimise the need for frequent change of scrubber reagents. Easy access to exchange containers, which are all made in high quality Borosilicate Glass.



HIGH STANDARD AND OPTIONS

All KjelROC Scrubbers can be supplied with optional water cooling as well as additional Water Trap for digesting liquid samples. All Scrubbers have the possibility to adjust the suction power.

- Water cooler and Water Trap Accessory to even further increase the efficiency of the fume extraction and to handle large volumes of vapour.
- Accessible 6-step suction control to regulate suction power, makes it easy to achieve a good and efficient digestion.

PORTFOLIO OPTIONS

The KjelROC Digestion portfolio offers something for most labs



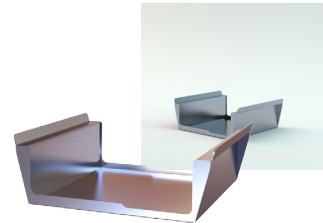
DI-050-A, Cooling stand to mount on Digester Auto, for both Tube Rack and Exhaust



TU-213-A, 250 ml Tubes
TU-221-A, 750 ml Tubes



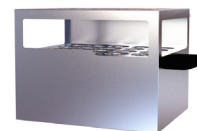
KT-200-Series
Kjeldahl Tablets



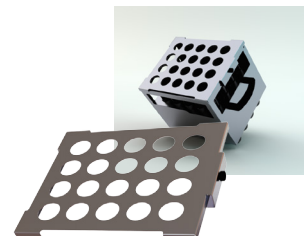
DI-051-A, Cooling stand for Tube Rack



DI-030-A, Exhaust 10
DI-040-A, Exhaust 20



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



DI-052-A, Washing Lid 10
DI-053-A, Washing Lid 20



DI-110-A, KjelROC Scrubber



DI-054-A, Water Jet Pump/Ejector 20

DI-211-A, KjelROC Digester Auto 10
DI-220/221-A, KjelROC Digester 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 Digester Advanced 10
DI-320-A, KjelROC Digester 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	Pre-installed programs, programmable temperature and time, setting of Celsius or Fahrenheit, setting of Alarm behaviour
KjelROC Digestors Advanced	All features in Auto with the addition of Motor Lift and pre-mounted 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 W
Dimensions (WxHxD)	330 x 470 x 335 mm
Weight	14 kg

Specifications subject to change without notice

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