

# OPSIS LiquidLINE KjelROC Digestors

A New Era in Digestion



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# 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

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- 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

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

## OP SIS LIQUIDLINE REDUCES MAINTENANCE COSTS

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- 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

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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\*

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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

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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

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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

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

## OPTIONS

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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, Cooling stand 10  
DI-050-A2, Cooling stand 20  
to mount on Digester Auto, for both  
Tube Rack and Exhaust



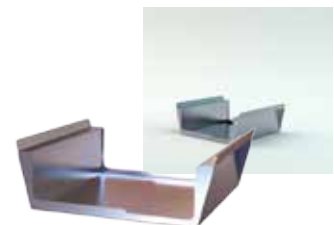
TU-213-A, 250 ml Tubes  
TU-221-A, 750 ml Tubes



TU-222-A, Boiling Rods



KT-200-Series  
Kjeldahl Tablets



DI-051-A, Cooling stand  
for Tube Rack



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



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



DI-110-A, KjelROC Scrubber

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



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

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



DI-111-A, Water Trap for Liquid Digestion

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*Specifications subject to change without notice*



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