

# 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 Rack
- All KjelROC Digestors use reliable and carefully selected materials which reduces 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 REDUCE COSTS

---

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

## OPSIS LIQUIDLINE REDUCE MAINTENANCE COSTS

---

- All Digestors and Scrubbers built with high endurance materials. From high quality Borosilicate Glass to high quality EN 1.4404 Stainless steel. 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.

Additional features are rapid heating and silent technology, which reduces noise when handling the glass in the rack.

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

- Several automatic programs, with multiple pre-set heating levels
- 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. Automatic pre-heating when switching on unit.
- Silent Technology, all racks are designed with soft edges to minimize noise from the glass tubes
- Easy to switch between Celcius and Fahrenheit degrees.



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

## 3-STEP AUTOMATION RACK\*

The Advanced KjelROC Digestors offer easy to use motor rack 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 Rack 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 RACK. THIS IMPROVES THE CONTROL OF THE DIGESTION PROCESS AND REDUCES HAZARDS FOR THE LAB PERSONNEL.

\* Motor rack 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 Viton tubes to EN 1.4404 Stainless steel.

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.

Self test systems protect the operator.

- 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 is above 60°C
- Exhaust manifolds with Borosilicate glass. Thick PTFE rings specially designed to seal against the tubes, withstand the demanding environment and reduce maintenance costs

# 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 prioritized 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 liters each, minimize the need for frequent change of scrubber reagents. Easy access to exchange containers, which are all made in high quality Borosilicate Glass.



## HIGH STANDARD

Standard in all KjelROC Scrubbers are features that others might regard as extra. Water cooling possibility is standard in all as well as the possibility to adjust the suction power.

- Water cooler to even further increase the efficiency of the fume extraction.
- 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-210-A, KjelROC Digestor Auto 10	Our standard Digestion block with capacity for 10 tubes, one rack included
DI-220-A, KjelROC Digestor Auto 20	Our large Digestion block with capacity for 20 tubes, one rack included
DI-310-A, KjelROC Digestor Advanced 10	Our standard advanced Digestion block with motor rack. One rack and exhaust included.
DI-320-A, KjelROC Digestor Advanced 20	Our large advanced block with motor rack. One rack and exhaust included.
DI-010-A, Rack 10	For Digestor Auto 10 and Advanced 10
DI-020-A, Rack 20	For Digestor Auto 20 and Advanced 20
DI-030-A, KjelROC Exhaust 10	Exhaust for Digestor Auto, 10 positions
DI-040-A, KjelROC Exhaust 20	Exhaust for Digestor Auto, 20 positions
DI-050-A, Manual Stand	Stand to make it easy to cool your rack and handle your exhaust. Recommended together with our Digestor Auto.
DI-110-A, KjelROC Scrubber	Our standard Scrubber



Your Philippine Distributor :



10 A.H. Poblador St., Brgy. Hagdan Bato  
Libis, Mandaluyong City , Philippines

Phone: 632-532-4310

Fax: 632-531-6518

**[www.brownstone-asiatech.com](http://www.brownstone-asiatech.com)**

**E-mail : [batinc@pltdsl.net](mailto:batinc@pltdsl.net)**

Opsis AB, Box 244  
SE-244 02 Furulund Sweden  
Telephone +46 46 72 25 00  
Telefax +46 46 72 25 01  
E-mail [info@opsis.se](mailto:info@opsis.se)  
[www.liquidline.se](http://www.liquidline.se)

*Specifications subject to change without notice*



LP 1003  
2013 01