



## Distillation units, Kjeldahl, fully automatic, K-370 and K-370/K-371 Auto Kjeldahl



- Fully automatic, self contained distillation unit with integral titration and data management
- Compact design with multi-tasking software
- Easy to read control panel with colour display and keyboard
- Maintenance-free, high-throughput steam generator
- Electronic regulation of steam output
- Numerous safety features
- Option of automated sample changing in combination with the Büchi Kjeldahl Sampler K-371

The K-370 offers an upgrade option to work with the K-371 autosampler. Two versions are available, a standard stand-alone unit, and an advanced version preconfigured to connect to the K-371 autosampler. The K-370's software can define various methods and save up to 10,000 results. The transparent shields enable observation of the distillation process. The K-370 can be connected to e.g. balance, digester, PC, printer, via the unit's integrated interfaces. Applications include: Kjeldahl nitrogen and protein, Devarda nitrogen, ammonia, direct distillation and distillation of other steam-volatile compounds.

The K-371 features an innovative sample-changing mechanism that uses steam to transfer samples to the distillation unit thereby avoiding the hazardous process of changing sample tubes. The 20 place rack of the autosampler is compatible with the Büchi Digestion System K-437 and the Büchi Digestion Automat K-438. In addition, an express rack allowing analysis of up to 4 express samples is available.

Both the K-370 Advanced and the K-371 can be purchased together as a complete ready to use system, the Kjeldahl Sampler System K-370/K-371. This bench top system enables an easy switch between automatic and manual operation saving time.

The K-370 Standard is supplied with colour display, keyboard suitable for lab use, steam generator, integral titrator, pH electrode, stirrer, pair of glass tongs, calibration solution, digestion tube, connecting tubes, mains cable. Four 10L tanks are provided for chemicals and waste.

The K-370 Advanced is supplied similar to the K-370 Standard but fully prepared for use with the K-371 Kjeldahl autosampler for fully-automatic sample changing. Two 10L tanks and two 20L tanks are included for chemicals and waste.

The K-371 sampler system is supplied with safety shield, rack (space for 20 sample tubes), express rack (space for 4 tubes), drip tray, steam and transfer tubes, sample tubes and mains cable.

### Technical Specification - Specific

	12860206	12880206
	12870206	
Detection	≥0.1mg nitrogen	-
Recovery rate	≥99.5%	-
Reproducibility, %	≤ ±1	-
Programs	Multilingual (no. of programmes only limited by available system memory)	10 programs each comprising up to 3 time and temperature segments
Interface	RS232C, Centronics	RS232C
Dimensions [w x d x h], mm	360 x 400 x 660 460 x 400 x 660 (with keyboard)	590 x 514 x 658 (working position) 590 x 514 x 923 (ready position)
Mass, kg	24	42 (without digestion tubes)
Electrical supply	200-230V 50/60Hz 2,200W	200-230V 50/60Hz 2,200W

Catalogue No	Legacy No	Alt. No	Description
12860206	-	043100	K-370 Standard Auto Kjeldahl distillation unit, stand-alone
12870206	-	043110	K-370 Advanced Auto Kjeldahl distillation unit preconfigured for use with K-371 autosampler
12880206	-	043120	K-370/K-371 Kjeldahl sampler system comprising distillation unit (043110) and autosampler (043700)
12820216	-	043700	K-371 Autosampler, for use with K-370 Advanced (043110) only

### Accessories and spares

Catalogue No	Legacy No	Alt. No	Description
12890206	-	043369	Temperature sensor for Auto Kjeldahl unit K-370
12800216	-	031456	Keyboard (US) external for Auto Kjeldahl unit K-370 PC
12810216	-	043367	Dosage device external (back titration)
12840176	-	37377	Sample tubes 300mL (set of 4)
12880196	-	026128	Distillation vessel, 500mL
12850206	-	003512	Sher indicator, 100mL