



Spark
H O L L A N D

BETTER **SAMPLE CARE**

Stable and precise oven



Mistral™

Stable and precise oven

Dependable temperature control for better separations

With its forced air oven, vapour sensor and integrated solvent pre-heater, the MISTRAL™ offers stable and precise temperature control to optimize your HPLC or UHPLC assay. As you will easily recognize, retention times will be more constant with constant temperature, but varying the temperature can also be of great help to tune selectivity, improve peak shape and reduce analysis time. Plus, high temperatures reduce column back pressure significantly, allowing higher solvent flow rates, narrower columns or smaller particles.



Automated
column
selection



Temperature
control from
5°C – 90°C



Integrated
solvent
pre-heater



Excellent
temperature
stability



Specifications

Parameter	Value	Conditions
Temperature range	5°C - 90°C, with 1°C increments 5°C - 75°C, with 1°C increments, if optional Column Selection Valve is installed	Ambient temperature and humidity influence the lower temperature limit of the MISTRAL™. Typically, a ΔT of 18°C is feasible.
Temperature accuracy	Better than 0.1°C	Measured at 30°C in the centre of the oven compartment
Temperature stability	Better than 0.1°C	Measured at 30°C in the centre of the oven compartment
Temperature reproducibility	Better than 0.1°C	In the centre of the oven compartment
Temperature gradient	Better than 0.2°C	Measured in the column area
Temperature change	Up: 10°C/min from 40° to 60°C Down: 2°C/min from 60°C to 40°C	
Time programmable temperature change	Time base: 9hr59 total time with 1-minute increments Maximum 10 programmable steps	
Programmable temperature ramp	Up: 0.1 - 5.0°C/min Down: 0.1 - 1.5°C/min (75°C to 25°C)	It is possible to program a ramp up to 9.9°C/min; however, only the ramp ranges specified can be guaranteed for the actual temperature ramp.
Dimensions (H x W x D)	600 x 170 x 345 mm (h x w x d)	

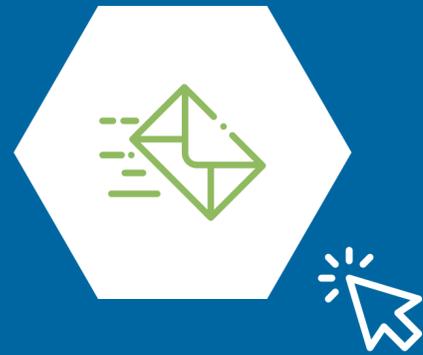
Automated column selection

Select up to 6 different columns via the keyboard or the PC! This feature comes as an option and will be a great help for method development or if you want to run multiple assays on a single system. UHPLC valve available!

Easy fit

Extensive remote control I/O, including PC control, makes integration into your HPLC or UHPLC system an easy job. The large column area will accommodate almost any column size and the small footprint will hardly increase the bench space required by your system.

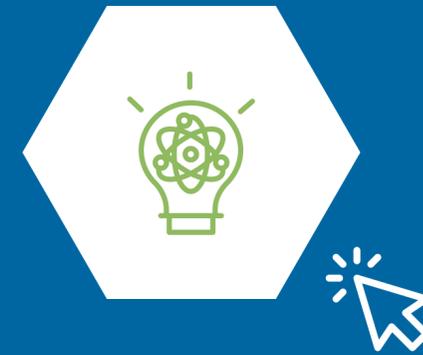




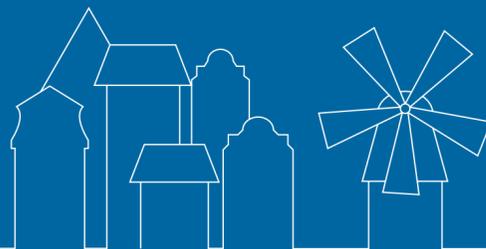
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