

## Nordson ATL K3 Chiller



Stock No	<a href="#">CV526</a>
Manufacturer	<a href="#">Nordson</a>
Model	K3
Year of Manufacture	2005
Serial	K3N5094
Ave. cooling capacity	3.2 kW @17°C set point
Other Info	Compact water chiller
Weight (kgs)	82kg
External Dimensions (WxDxH mm)	550 x 575 x 775mm

### Description

The Nordson ATC K3 Chiller is a totally reliable workhorse with an exceptionally high 3.2 kW Cooling Capacity (@17°C set point in a compact robust design

ATC manufactured chillers, are used to control the thermal environment within a wide variety of applications, where air can not cool the system quickly enough. Cooling is required to either prevent damage to components, reduce distortion in processes, improve repeatability and stability in analytical analysis or remove heat from chemical reactions.

Although historically these have tended to be cooled with mains tap water, the prohibitive cost of water together with the environmental impact of waste water have made chillers more desirable.

The Marketplace for Surface Technology.  
New and Used Process Equipment & Machinery.  
*Machine Datasheet*



ATC offers compact, economical and versatile products, together with excellent service and technical back up, to satisfy these markets.

- Mass Spectrometry (double focusing, quadrupole and time-of-flight)
  - Inductively Coupled Plasma Mass Spectrometry (ICP-MS)
  - X-ray diffractometry
  - X-ray Fluorescence
  - Auger Electron Spectroscopy
  - X-ray Photo Electron Spectroscopy
  - SIMS
  - Surface Science
  - Surface Analysis
  - Electron Spin Resonance
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- Turbo, Cryo, diffusion and dry pumps
  - Roots Blowers
  - Thin Film processes
  - Magnetron Sputtering
  - Thermal and Electron Bean Evaporation
  - Plasma Processing
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- Plasma Etch
  - Chemical Vapour Deposition
  - Metalization
  - Dicing
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- TEM's SEM's and STEM's
  - Electron and Ion Beam lithography
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- Lasers
  - Lithographic lasers
  - Optical Dyes
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- Lap polishing
  - Blocking
  - Lens Generators
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- Magnetic Resonance Imaging
  - Electrophoresis
  - Therapeutic techniques
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- Distillation
  - Reactor vessels

- Machine Tools
- Air bearings
- Moulding
- Extrusion
  
- Process vessels
- Vacuum Packing
- Product cooling

### CHILLER SPECIFICATION

Cooling capacity (water @ 17°C) 3200 watts  
Microprocessor-based temperature controller 3 term PID digital  
Temperature adjustable 0.1°C increments  
Temperature stability +/- 0.1 °C  
Temperature range +4° to +35°C  
Digital temperature display Standard  
Temperature alarm - Standard off-set +/- 10°C Adjustable High / Low  
Low fluid level alarm Visual  
Low fluid flow alarm Visual  
Auto diagnostic functions Controller and sensor  
System volume 4 litres  
Pressure control system Standard fitment internal - user adjustable  
Compatible fluids Hexid fluids / water / propylene glycol  
Fluid connections BSP threaded Male 3/4",  
Compressor over - load protection Standard  
Emergency Off (EMO) Via main circuit breaker (MCB)  
Noise level 68 dB(A) @ 1 metre  
Weight (approximate - varies with options) 82kg  
Lockable castors for mobility Standard

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**