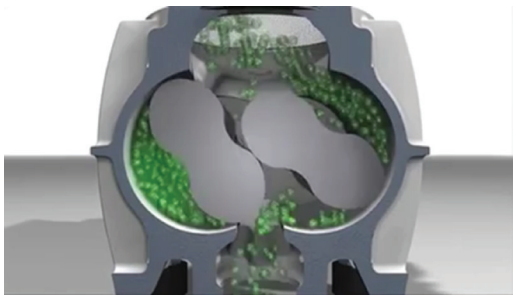
SCIEX
The Power of Precision



Reduce your carbon footprint with dry roughing pumps

SCIEX is proud to now offer dry roughing pump upgrades for the ZenoTOF 7600 system running SCIEX OS software version 3.3 or later. Reduce the cost and the environmental impact of operating your LC-MS/MS system by using the multi-stage roughing [MSR] pump, MSR 90, instead of the standard oil-sealed roughing pump, without adverse effects on performance of your LC-MS/MS system.

Benefits of upgrading to dry pumps include:

- Lower power consumption and heat waste by an average of 20% (see table reverse)
- Better reliability and long run-life
- Long-term savings thanks to minimal maintenance and no waste related oil or filter changes

SCIEX is committed to providing you with cutting-edge technology that not only meets your analytical needs, but also aligns with your sustainability goals.

Electricity consumption comparison of system with oil-sealed and dry roughing pumps

	Wet pumps (850 watts)	Dry pumps (545 watts)
Standby (610 watts)	1460	1155
Condition 1 (750 watts)	1600	1295
Condition 2 (710 watts)	1560	1255
Average electrical savings (compared to using wet pumps)		20%

* Standby refers to the LC-MS/MS instrument in standby/idle state.
  - Condition 1: Turbo V ion source with twin sprayer ESI probe, 550°C, ion spray voltage at 5500V, GS1 = 50, GS2 = 50, CUR = 35, CAD = 7
  - Condition 2: OptiFlow Turbo V ion source with microprobes, 200°C, ion spray voltage at 5000V, GS1 = 20, GS2 = 60, CUR = 35, CAD = 7

** Approximate heat output for ZenoTOF 7600 system is 4,600 BTU/h using dry pumps, compared to 5,650 BTU/h using wet roughing pumps

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