

PRESS RELEASE

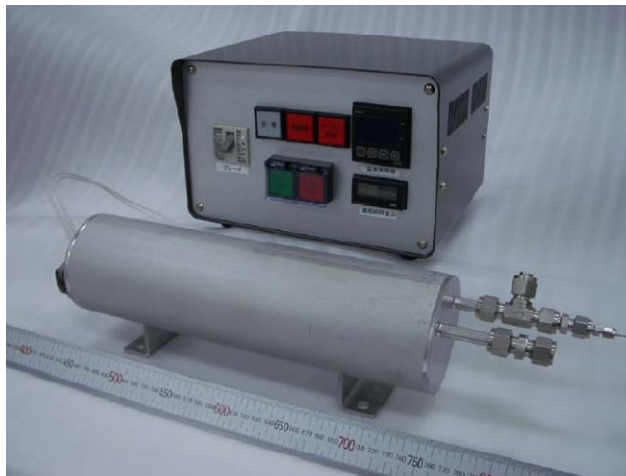
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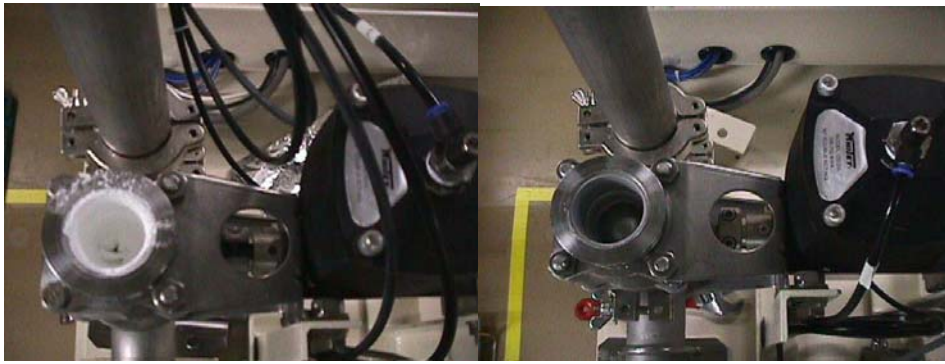
Hot Gas Injection System for exhaust temperature control and other applications

Sparetech, a global distributor of spare parts and repair services, introduces **Vélios**, a hot gas injection system designed to prevent condensation in exhaust pipes.

Vélios injects metered hot nitrogen into exhaust pipes and stops the formation of by-products deposits in exhaust lines. **Vélios** dramatically reduces emergency events due to pipe clogging, extends vacuum pump life, and minimizes downtime by extending periods between scheduled PMs or eliminating them altogether.



Vélios uses a non-contact heating system that is more efficient and cheaper than thermal jackets. Because Vélios directly injects hot gas into pipes, heating is instantaneous. Vélios eliminates internal condensation, cold spots, and maintains exhaust temperature over pipe lengths of up to 15 meters.



Vélios is CE marked. UL listed and manufactured to Semi S2-93 specifications. It has analog and digital input/output connections to control and manage temperature set point, flow rate, recipe specifications, and EMO integration. There is also a thermal sensor at the N₂ outlet for safety shut off.



Vélios can also be used to pre-heat carrier gases, reactants, optimize pump-purge cycles, speed-up cryo regen, pre-heat nitrogen injection into mechanical pumps, control temperature between chamber and pump inlet and condition load locks.

Technical specifications:

Temperature :	Room temp to 350 °C (Option: > 350 °C)
Heat flow rate:	20 L/min – 100 L/min
Max. pressure :	10 kg/cm ² (≈150 PSI)
Heat source :	Halogen lamp
Main body:	Stainless steel