

EXHAUST LINES

Temperature Controlled

CUSTOM DESIGNED FOR SEMICONDUCTOR PROCESSES

INFICON heated exhaust lines are recommended for CVD, Etch, and other processes where exhaust line contamination occurs.

Condensed process-by-products on exhaust line walls reduce conductance and increase the potential of particulate contamination.

Heating exhaust lines to process temperature eliminates condensation, improving run-to-run repeatability of critical process control parameters. Other benefits include, reduced exposure to hazardous chemicals, and extended preventive maintenance schedules.



FEATURES AT A GLANCE

- Modular assembly
- Custom configurations
- Excellent thermal performance
 - Thermostatically controlled wall temperature
 - Integral thermal protection
 - LTA control circuit monitors individual heater performance
 - Cool-to-the-touch, exterior surface
 - Unique bonding process eliminates cold spots and improves thermal transfer for fast warm-up and extended heater life
- Lower energy consumption
- UL, SEMI S2 and CE marked

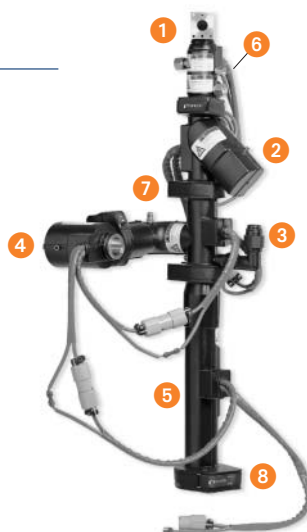
SPECIFICATIONS

Nominal voltage		
heating circuit		208 VAC ±10%
control circuit		24 V
Heating power		370 W
Operation temperature		
inside of exhaust line		85°C to 100°C
surface of insulation		35°C to 50°C
Tightness		10 ⁻⁹ mbar l/s
Pressure	min. / max.	10 ⁻⁸ mbar / 2.5 bar
Valve service life		10 Mio cycles
Materials		
valves		
housing		AISI 304
bellows		AISI 321
valve plate		AISI 304
seals		FPM
weldments		
flanges, pipe		AISI 304
bellows		AISI 321
VCR® fittings		AISI 316 L
Insulation shells		- Black polycarbonate housing - Honeycombed aluminum insulation

CONFIGURATION

- ① Weldment
- ② VIP040-Z inline valve
- ③ Weldment
- ④ VAP040-Z angle valve
- ⑤ Weldment
- ⑥ Insulation element DN 25 KF
- ⑦ Insulation element DN 40 KF
- ⑧ Insulation element DN 50 KF

Other configurations and voltages available on request



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