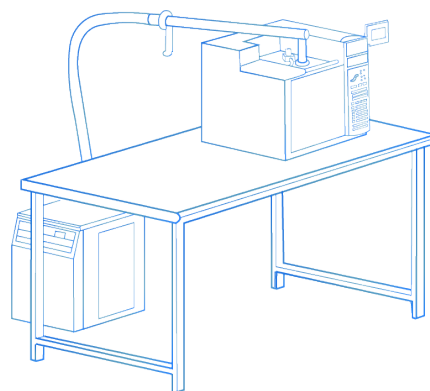


ZX2 Thermal Modulator

For Agilent GC's



FEATURES

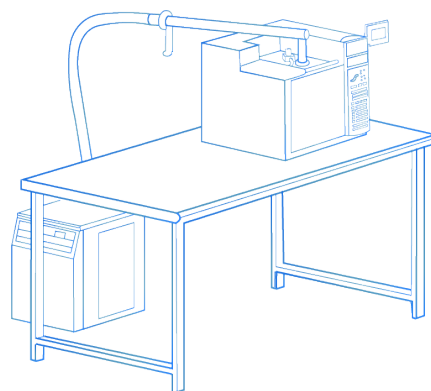
- Consists of the following modules:
 - Floor Chiller (no cryogenic consumables)
 - Programmable Logic Controller (PLC)
 - Human-Machine Interface (HMI)
 - Valve Assembly
 - Top Plate Assembly
 - Vacuum Insulated Transfer Line
 - Head Clamp Assembly
 - All cables, hoses, and assembly tools are supplied.
 - Modulates nC9-nC30 routinely, and nC8 – nC45 with cold jet flow control*
- Accommodates Two Parallel Column Sets (“two modulators for the price of one”).
 - Compatible with most commercially available GC systems.
 - No moving parts. High reliability.
 - Open in-oven construction. No modulation chamber.
 - Effortless Modulator Tube Mounting.
 - May be supplied turnkey with GC or retrofitted onto user's GC.
 - Users can self-install the system in as little as 2 hours.

* Contact Zoex for more information.

Notice: Due to COVID-19 restrictions, user must install system in house. Installation requires approximately 1-2 hours. Detailed installation videos and phone support provided.

ZX2 Thermal Modulator

For Agilent GC's



SPECIFICATIONS

GENERAL

Two-stage loop modulation; one cold jet and one hot jet	-
No moving parts	-
Hot Jet Temperature	Up to 450 °C
Cold Jet Temperature	As low as -90 °C

Hot Jet Pulse Duration	Set range: 0 to 32 secs 375 ms typical
Modulation Period	Set range: 0 to 32 secs Recommended: 3 to 32 secs Note: Modulation Period should be greater than the Hot Jet Pulse Duration
Jet Gas Consumption (Dry N2)	25 SLM per jet max 10 to 15 SLM typical

CRYOGENIC COOLING SYSTEM

Continuous cooling without liquid nitrogen	-
Lowest cooling temperature	-90 °C (Measured 5 cm inside Cold Jet Nozzle)
SS vacuum insulated cryo transfer line	-

Floor Chiller Electrical	120 V/60 Hz/11.5 A or 240 V/50 Hz/7.5 A
Floor Chiller Dimensions	22" h x 15" w x 20.25" d (559 mm h x 381 mm w x 514 mm d)
Floor Chiller Weight	170 lbs / 77 kg