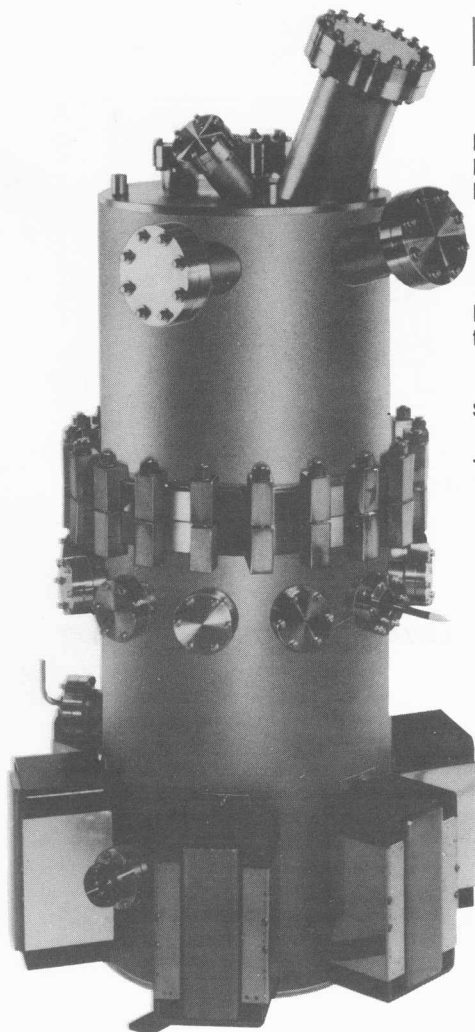


## VT-114 14-INCH UHV SYSTEM

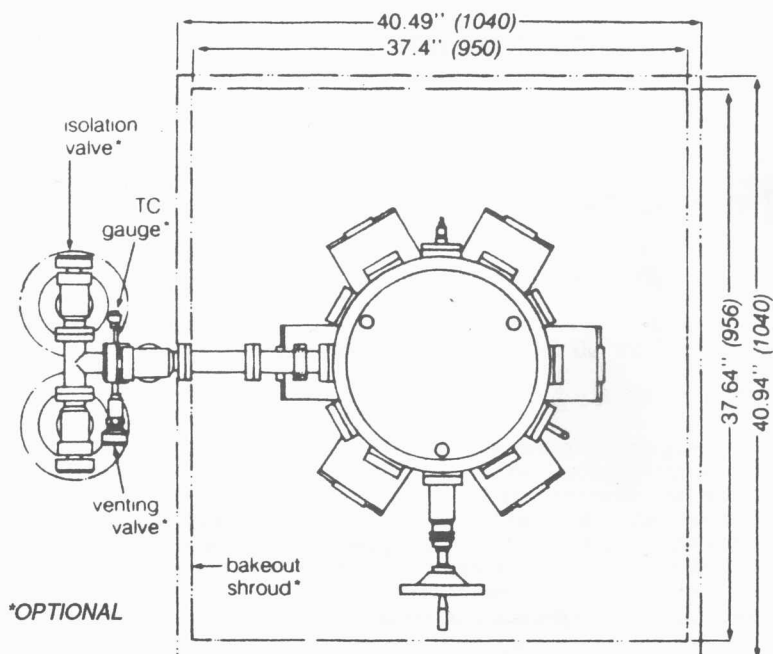
The VT-114 system delivers 240 liter per second triode Vaclon® pumping and it includes: a 14-inch Wheeler flange baseplate; six triode ion pump modules and control unit; a multi-filament titanium sublimation source and power supply; nude UHV gauge head; demountable cryopanel; 12 each 1-1/2" feedthrough ports; three work tab supports; and a 9.25" poppet valve seat.



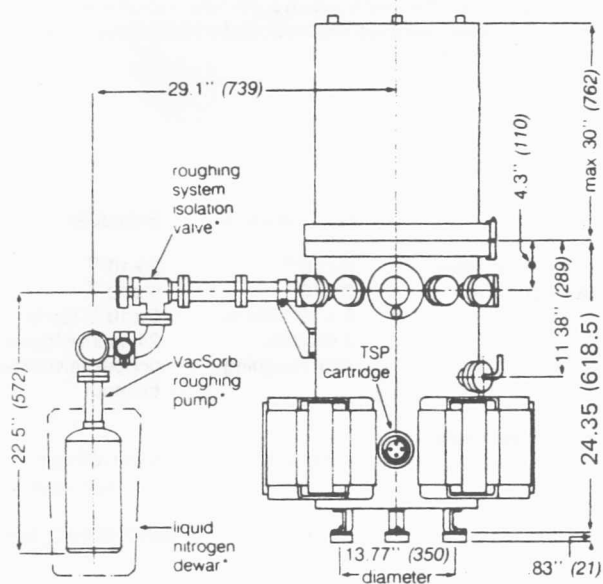
### specifications

	Non-bakeable	Bakeable
Base pressure (Torr) without isolation valve:	$2 \times 10^{-9}$	$2 \times 10^{-11}$
Base pressure (Torr) with isolation valve	$2 \times 10^{-9}$	$5 \times 10^{-11}$
Pumpdown time:	$5 \times 10^{-7}$ Torr in less than 2 minutes after roughing	$5 \times 10^{-11}$ Torr in 24 hours without poppet valve after bakeout
Net pumping speed (l/sec) at the baseplate for nitrogen:	1500 with isolation valve	3100 without isolation valve
System ion pump controller:	208/240V AC, 50/60 Hz	
TSP control unit:	115 VAC, 60 Hz or 208/230 V AC, 50/60 Hz	

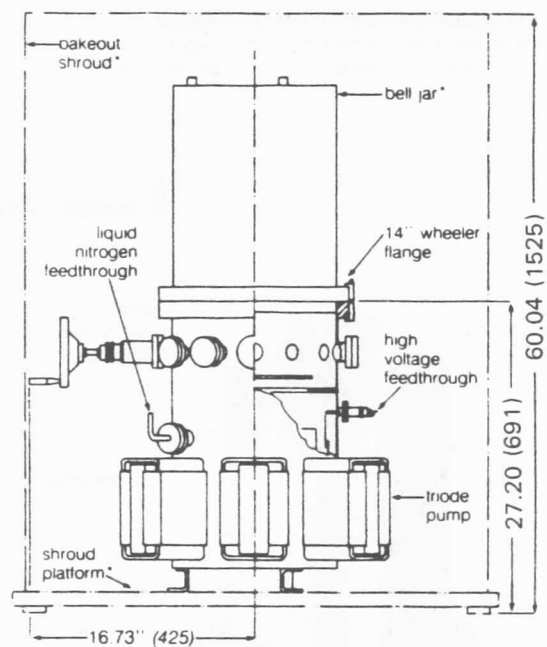
### outline drawings inches(mm)



PLAN VIEW



FRONT ELEVATION



\*OPTIONAL

SIDE ELEVATION/CROSS SECTION

## ordering information

### STANDARD SYSTEM COMPRISED OF:

VT 11414" UHV system, including 240 liter per second Triode Vaclon® pumping, control unit, titanium sublimation pump, cryopanel, bakeable roughing isolation valve, and twelve each 2-3/4" OD ConFlat® flanged auxiliary ports.

### TYPICAL OPTIONS:

- 9.25" ID poppet isolation valve
- Bakeout shroud and controls
- Bakeable vacuum console including chamber enclosure panels, sump thermal isolation, heaters, and temperature controllers
- Dual or triple VacSorb roughing system, including 1-1/2" Viton valves, back-to-air valve, thermocouple gauge tube, VacSorb roughing pumps, bakeout heaters, roughing manifold, two polystyrene dewars, and sieve material
- Stainless steel bell jars (custom or standard)
- Surface analysis bell jars and accessories

Pricing on request.

Detailed information is provided in data sheet VAC 1121.