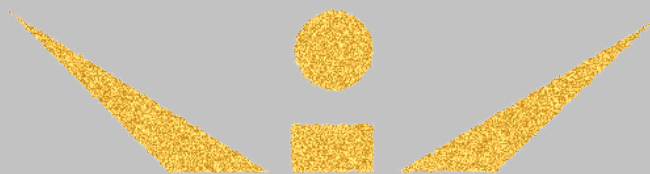


# ***Radiflo® Mark VI***

**Pressurization Unit**



**IsoVac  $\Sigma$  Engineering Inc.**



614 Justin Ave.

Glendale, California 91201

818/552-6200 Main

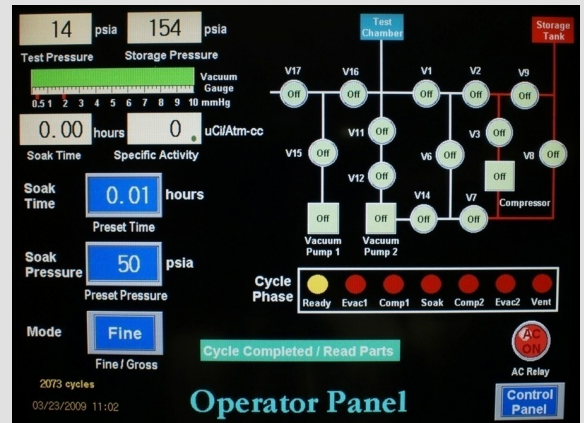
818/241-0781 Fax

sales@isovac.com

<http://www.isovac.com>

# SPECIFICATIONS

- TEST CHAMBER CAPACITY: 2½ Gallons (standard)
- TEST CHAMBER DIMENSIONS: 6" dia. x 20" deep (standard)
- TEST CHAMBER PRESSURE: To 110 psia maximum
- STORAGE TANK: 2 Gallons@ 175 psia maximum
- VACUUM PUMPS (2): 3 SCFM



## FRONT PANEL INDICATOR DISPLAY

- Test pressure units in psia
- Storage pressure units in psia
- Vacuum Gauge units in Torr
- Soak time units in hours
- Specific Activity units in  $\mu\text{Ci} / \text{atm-cc}$
- Preset Soak Time units in hours
- Preset Test pressure units in psia
- Cycle Phase sequence
- Plumbing Diagram
- Cycle Counter

## FEATURES

- Automatic Specific Activity Measurements (Every Cycle)
- Auto Gas Recovery with time date stamp
- Touch screen Display interface
- Programmable Logic Controller (PLC)
- Serviceability with removable panels
- Password controlled Supervisor Panel Screen
- Interlock Data indicates date and time of any recent interlocks
- External Display ready plus other outputs
- Auto Start Timer: program a delayed start time for your cycle
- Fast pump-down times typically less than 1 minute to 0.5 Torr
- Meets the latest Mil Std. 750 1071.10 and 883 1014.14

## INTERLOCKS

- Power off,
- Test Chamber Overpressure,
- Evacuation 1 Pump Down,
- Evac 2 Output Overpressure,
- Compressor Timeout,
- Auto Gas Recovery,
- Test Chamber Transmitter Defective,
- Vacuum Meter Defective,
- Test Chamber Pin,
- Radiation Alarm, (*Audio and light indicator*)
- Storage Tank Overpressure,
- Evacuation 2 Pump Down,
- Exhaust Flow,
- Storage Pressure Lost,
- Storage Pressure Gain,
- Storage Tank Transmitter Defective,
- Test Chamber Handle,
- Test Chamber Cover.

## FACILITY REQUIREMENTS

- ROOM: "Standard Construction" 8" ft. X 8 ft.
- EXHAUST SYSTEM: 500 -700 cfm (at machine) / 1,500 cfm minimum (rooftop)
- DIMENSIONS: 44" wide x 33" deep 36" high (to work surface) 52" high (top of instrument module)
- POWER: 120 VAC, 1 phase, 50/60 Hertz (Hz), 30 amp  
Connector NEMA L5-30P (located on back side of console)
- WEIGHT: 2000 lbs.
- NUCLIDE CONTENT: 20 curies Krypton-85, nominal (50 curies max.)
- VENTILATION REQUIREMENT: 500 -750 cfm at equipment (8" exhaust duct)

