

# Silica Sampling and Monitoring Solutions

## Personal Air Sampling Equipment

Gilian Industrial Series Pumps with matching Cyclones meet the requirements defined by OSHA for personal air sampling of Silica, as defined in Appendix A of 29 CFR: 1926.1153 Respirable Crystalline Silica.

### PUMPS

Gilian 5000 (for 8 hrs. of silica sampling)



Gilian 10i (for 4 hrs. of silica sampling)



Gilian 12 (for 1.5-4 hrs. of silica sampling)



### CYCLONES

BGI-4L Higgins–Dewell Cyclone



BGI 2.69 37 mm Cyclone



RASCAL 47 mm Cyclone



Dorr-Oliver Cyclone



## Real-Time Monitoring

Real-time monitoring makes it easy to efficiently measure and record dust levels within the workplace. The Nephelometer® can be used to measure the real-time dust concentrations to determine the efficiency of the control methods as defined in 29 CFR: 1926.1153 Respirable crystalline silica.

### Benefits:

1. Immediate display of dust concentrations
2. User friendly and large instrument display
3. Find leaks and hot spots quickly and easily
4. Immediate access to time history data
5. No waiting for laboratory analytical results
6. Immediate decision making:
  - a. Quick corrective actions/controls can be taken
  - b. Reduce employee exposure
7. Determine effectiveness of controls in real-time

