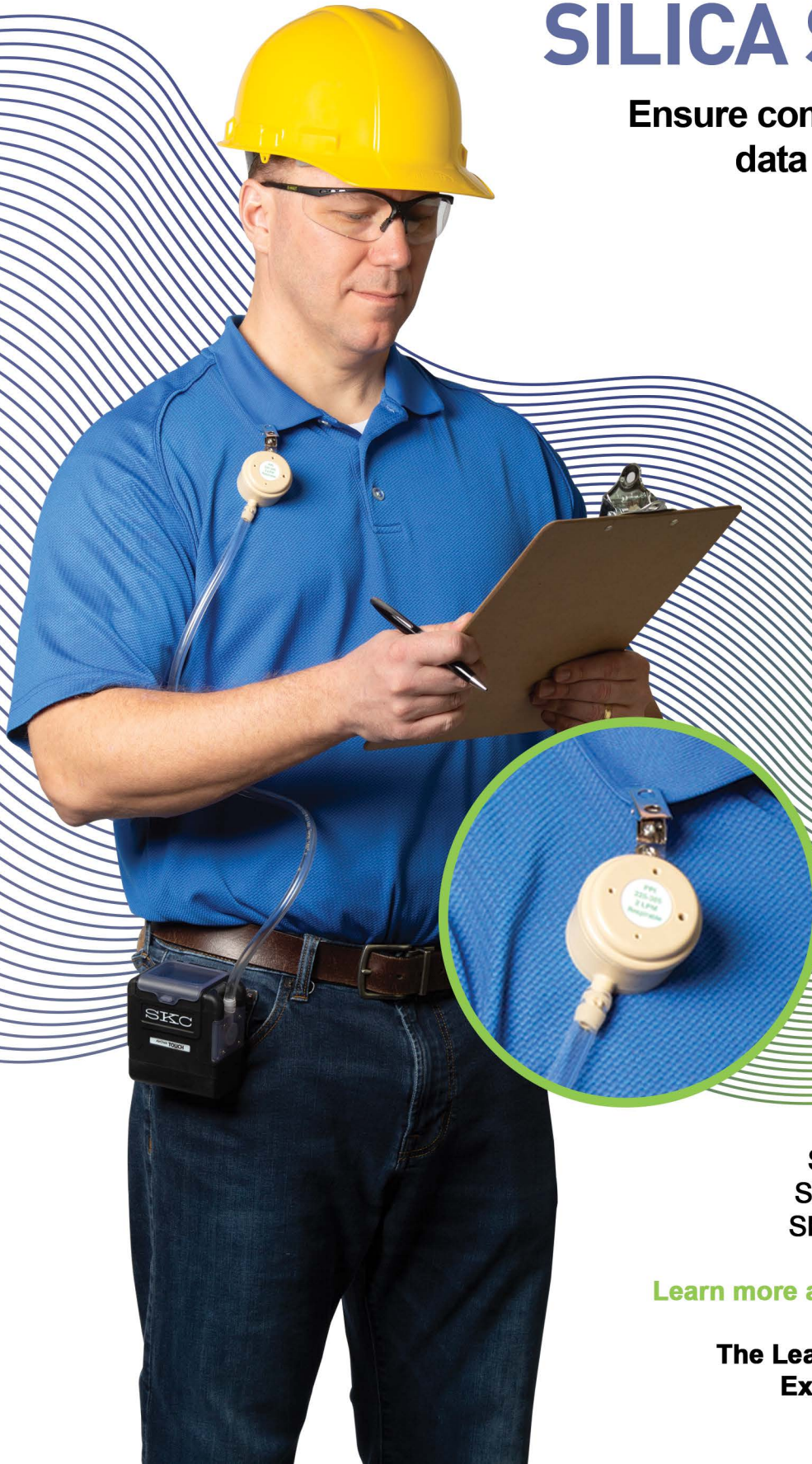




SCIENCE. SERVING PEOPLE.

# RESPIRABLE CRYSTALLINE SILICA SAMPLING

Ensure compliance and defensible  
data with SKC PPI Samplers



**Available from**

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**The Leader in Sampling Solutions and  
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# The Top 3 Reasons to Choose SKC PPI SAMPLERS

# 1

## Listed in OSHA and MSHA Final Silica Rules

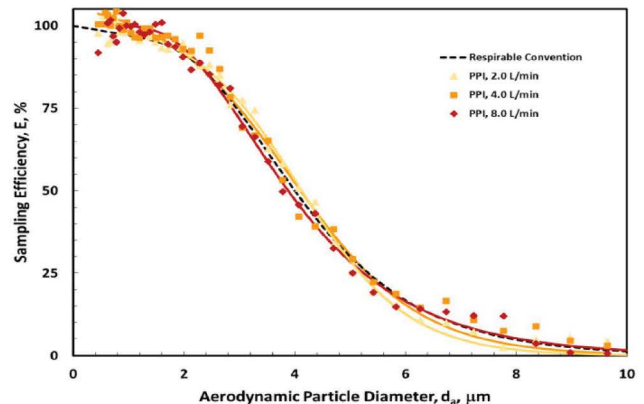
Published peer-reviewed performance data<sup>1</sup> was submitted to the OSHA docket during silica rulemaking. This resulted in SKC PPI Samplers being listed in the OSHA final Silica Rule as conforming closely to the ISO/CEN respirable convention specified by OSHA.<sup>2</sup> MSHA published its Final Silica Rule<sup>3</sup> that goes into effect on June 17, 2024. Like the OSHA Final Silica Rule, the MSHA Silica Rule incorporates the same ISO 7708/CEN criteria as a requirement for silica samplers. SKC PPI Samplers are listed in the MSHA Final Silica Rule.

“In addition to cyclone samplers, there are also personal impactors available for use at 2 to 8 L/min that have been shown to conform closely with the ISO/CEN convention.” – OSHA Silica Rule

# 2

## Flow Rate Options

Concerned about minimum silica sample volumes for shorter-term tasks? The OSHA Silica Rule describes personal impactors (PPI Samplers) used at 2, 4, or 8 L/min as capable of collecting a quantity of respirable crystalline silica exceeding the quantitative detection limit for lab analysis.<sup>2</sup> The 4 and 8 L/min PPI Samplers provide the option of shorter sampling durations while maintaining adequate detection by the lab.



Comparison of PPI Samplers' performance with the ISO 7708/CEN convention

# 3

## Accurate and Easy to Use

- No sampling invalidation from tipping
- Flow rate verification with adapter (disposable PPI only) – no calibration jar needed
- Available with preweighed filter for general and silica dust
- No assembly required
- Single use – no cleaning needed

### References

- 1 Trakumas, S. and Salter, E., *Journal of Physics: Conference Series* 151 012060, <https://bit.ly/2U71xGj>; 2009
- 2 *Occupational Exposure to Respirable Crystalline Silica: A Rule by OSHA, Federal Register*, <https://bit.ly/2ZjqDaR>, 2016, p. 16439
- 3 *MSHA Final Silica Rule*: <https://bit.ly/3Q6j4fl>; search "PPI sampler"