# Model 450 Dual Python Portable Floor Sentry — Multi-Operator Fume Extractor

## *Model # SS-450-PYTD*

**MADE IN THE USA**

*SINCE 1983*

The **Model 450 Dual Python Fume Extractor** provides an engineering safety control for use in hard-to-reach applications with two extended flexible hoses suitable for multiple operators [i.e. tank welding]. The included 12 foot long, flame-retardant flex hoses feature a magnetic capture hood with handle that enables the operators to attach it to a surface to easily capture welding smoke, dust, or fumes. The unique dual hose design enables two nearby workers to use the same fume extraction system saving space and operating costs. This system provides up to 475 CFM per hose. This model can also be outfitted with dual 25 foot hoses.
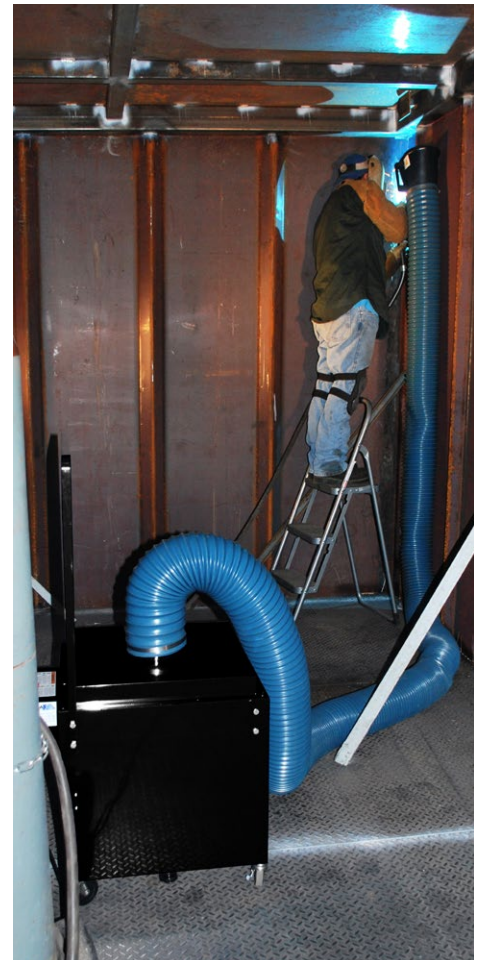
Typical applications for this unit are *maintenance welding, light grinding applications, stainless steel tank welding, welding in confined spaces, fume extraction in elevated spaces [e.g. asbestos in ceiling and rafters], rapid location welding applications, stainless steel pipe welding, welding on metal beams, VOC removal, and particulate and fume removal.*

Other features of this system include quiet operation, heavy-duty casters for convenient mobility, and high efficiency filtration. Filtration media depends on the application, but typical media includes **HEPA filter** [up to 99.97% efficiency on particles 0.3 microns and larger], **ASHRAE filter** [up to 95% efficiency on particles 0.5 microns and larger], and **ULPA filter** [up to 99.9995% efficiency on particles 0.12 microns and larger] to capture particulate, and **activated carbon**, and **specialty-blended filter media** [i.e. acid gas, mercury, aldehyde, and ammonia] for chemical fume removal.

This **Model 450 Dual Python Portable Floor Sentry** combines energy-efficient technology and a unique design to ease fume extraction in hard-to-reach areas for two operators. Also available is a smaller model *[SS-400-PYTD]* and a model with a single extraction hose *[SS-450-PYT]*.



*Model 450 Dual Python Portable Floor Sentry*



## Product Features

- *Includes:* Variable speed controller (115V only), ON/OFF toggle switch (220V only), portability handle, (2) Magnetic welding hoods with handle, (2) 12' flex hose with 360-degree movement
- *Optional:* 25' flex hose and Magnehelic Gauge
- Quiet, reliable, and low maintenance operation
- Low power consumption
- Long filter life
- Simple, quick "no tool" filter change

*A welder utilizing the Python Portable Fume Extractor to help protect from welding fumes in a hard-to-reach area, fully taking advantage of the long flexible hose and magnetic hood. (SS-400-PYT shown above)*

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## Product Specifications

**6" Diameter, (2) 12' L Flex Hose**

22.5"

19.5"

20"

*Dimensions are approximate*

| | |
|---|---|
| **Base Unit Dimensions** | *Length:* 22.5" *(includes control box)*<br>*Width:* 20"<br>*Height:* 19.5" |
| **Arm Dimensions** | 6" Diameter *(4" D optional)*<br>(2) 12' L fire-retardant flexible hose *(25' L optional)*<br>11" x 6.5" magnetic hood with handle |
| **Cabinet Material** | 16 Ga. carbon steel |
| **Weight (approximately)** | 62 - 112 lbs |
| **Air Volume (approximately)** | *High:* up to 475 CFM *(per arm)*<br>*Low:* down to 50 CFM *(per arm)* |
| **Electrical** | 115/1/60, 10.7 amps 220/1/50, 5.35 amps<br>8' grounded power cord with NEMA 5-15P plug |
| **Sound Level (at 3' from inlet)** | Approx. 72 dba (High) |
| **Main Filter Options** | *Depending on the Application:*<br>**HEPA** [up to 99.97% efficiency on particles 0.3 microns and larger]<br>**ASHRAE** [up to 95% efficiency on particles 0.5 microns and larger]<br>**ULPA** [up to 99.9995% efficiency on particles 0.12 microns and larger]<br>**Activated Carbon**<br>**Specialty-Blended Filter Media** [i.e. acid gas, mercury, aldehyde, and ammonia] |
| **Limited Warranty** | Limited two year warranty from date of shipment on defects due to materials or workmanship.<br>Limited six-month warranty on fan/motor assembly |
| **Patent #** | 5,843,197 |