

# Ambient Fume System



**ProStar Environmental Diluter System (EDS)**

## ProStar™ Environmental Diluter System (EDS)

The EDS is a free-standing general filtration system that prevents accumulation of welding fume by continuous filtration of polluted air. It consists of a central filter unit, a fan in a sound absorbing case, an outlet unit with adjustable outlet nozzles, a silencer and a system control panel with frequency inverter and PLC. The EDS is available with new filter controls, the *ControlPro*, an intuitive touchscreen interface that provides an at-a-glance view of system performance and current operational status.

The filter unit is provided with a spark arrestor and filter cartridges. It contains the *RoboCleanPlus* system for automatic sectionwise cleaning of the filter cartridges by compressed air. The dust and dirt particles end up in the dustbin underneath.

The fan speed is pressure controlled.

**FEATURES**

- Tangential-flow inlet spark arrestor / baffle system
- Automated filter cleaning system; timed and/or pressure controlled
- Intelligent control system with remote hmi; can be networked
- Pressure-controlled speed to maintain consistent air flow

SPECIFICATIONS	EPSPRO
<b>FILTER CARTRIDGES</b>	Cellulose fiber, 2 × 807 sq. ft. surface area
<b>BLOWER</b>	10 HP, direct drive, radial blower at 50 Hz
<b>POWER</b>	460 V / 3 Ph / 60 Hz at 15A
<b>AIRFLOW RATE</b>	5,300 CFM airflow
<b>REQUIRED COMPRESSED AIR</b>	1/2 in. NPT compressed air connection; 80-90 PSI required
<b>SOUND LEVEL</b>	Less than 69 dB(A)
<b>WEIGHT</b>	1,765 lbs.
<b>THROW DISTANCE</b>	Maximum 164 ft.

Specifications subject to change without notice. Consult your Praxair representative when ordering.

