



# PROSTAR™ Tip Extraction Fume Collectors (TEC) Raise the Bar in Source Capture Fume Extraction



With TEC



Without TEC

## Easy to Operate. More Efficient Collection.

Linde helps you reduce your employees' exposure to harmful welding particulates. When paired with a fume extraction torch, the high-powered PROSTAR™ Tip Extraction Collector (TEC) delivers fume extraction at the tip of the welding torch. By capturing more particulate closer to the source and pulling the fumes through the gun, operator exposure to welding fume is greatly reduced.

## HEPA Rated Washable Cartridge Filter

The PROSTAR TEC delivers, on average, greater than 95% collection efficiency for in position welds in accordance to the AWS F1.2 standard. The E11 rated PTFE filter is washable, so a single filter can last years when properly maintained. A safety monitoring filter (SMF) is also available for all PROSTAR TEC. This after-filter prevents dust collected by the TEC from potentially reentering the workspace. This option is required by OSHA for certain types of hazardous dusts.

## Standard Pressure, High Pressure and Dual-Torch Options

The three TEC units have, at their core, variable speed, brushless, DC multi-stage bypass blowers enabling users to easily dial in the right airflow. The blowers are rated at 100% duty cycle for an impressive 30,000 hours – they can be relied upon for a long service life.

### Features

Variable speed, high-quality blowers

Suction blockage safety shutdown

Automatic power saver shutdown

Filter status indicator

Cam lock filter lock

Electrical protection

### Benefits

Enables airflow to be dialed to the right setting for the process. Provides ample airflow for an average of greater than 95% collection efficiency

Protects the unit if the tip openings or the hose are obstructed

Shuts down the unit if idle for two minutes and comes on when welding resumes to conserve power

Helps users maintain filter health

Provides quick access to filter media

Complete circuit breaker protection of all components

**PROSTAR™ TEC Models**

**PROSTAR™ TEC 1S**  
 This single-torch, standard-pressure unit with 100CFM at 50" of static pressure is ideal for most welding processes and provides an ergonomic solution to fume reduction.

**PROSTAR™ TEC 1S-HP**  
 This single-torch, high-pressure unit with 100CFM at 100" of static pressure is an effective solution for applications with a required hose length of greater than 20 feet.

**PROSTAR™ TEC 2D**  
 This dual-torch, standard-pressure unit with 200CFM at 50" of static pressure per torch is intended to support two welders. The dual blowers in a single enclosure make it an ergonomic and space-saving solution for protecting operators from welding fume exposure.

**Available Options**

- 480V/1Phase upgrade with circuit breaker protection
- Safety Monitor Filter – E12 HEPA
- Additional hose in 10' increments: TEC 1S and 2D (20' max), TEC 1S-HP (50' max)



**Specifications**

	Single gun standard pressure	Single gun high pressure	Dual gun standard pressure
Part no.	PRSTEC-1S	PRSTEC-1SHP	PRSTEC-2D
Airflow rate	100 CFM at 50" H2O	100 CFM at 100" H2O	200 CFM AT 50" H2O
Motor	1.3 HP brushless DC motor	2.6 HP brushless DC motors	
Blower	Two Stage Bypass Blowers		
Motor/blower rating	100% Duty Cycle/30,000 Hour		
Power requirements	240V/1Phase at 8 Amps	240V/1Phase at 16 Amps	
Main cartridge filter	195 Sqaure feet of E11/PTFE media (99.95% at .3 Micron)		
Filter status indicator	Mini-helix gauge		
Filter cleaning	Manual push button		
Electrical controls	On/off switch Variable speed dial Complete circuit breaker protection Auto shut down energy savings Suction blockage safety shutdown		
Power cord	20' With storage bracket		
Spark arresstance	Removable/washable spark trap		
Particulate/dust removal	Dust tray		
Suction hoses	One (1) 2" x 10' UL940V FR hose	Two (2) 2" x 10' UL940V FR hose	
Wheels and casters	8" Rear and 2" front swivel		
Sound level	70db at 5' with motor/blower at full rpm		
Unit size	44" Tall x 30" long x 24" wide		
Unit weight	200 Pounds		

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