



PureCapture™ is an innovative solvent dispensing system designed to reduce risk and increase safety for lab personnel without the need for HVAC venting.

PureCapture™  
SDS®



**PPT** Pure Process  
Technology  
Delivering Pure Solutions On Demand

Integrating the unique best-selling products of two industry leading manufacturers, PureCapture™ SDS is the answer to your laboratories need for streamlined, safe dispensing of solvents, without the complication and spatial concerns of ducting, venting, and air quality issues.

PureCapture™ SDS is the brain-child of Pure Process Technology, an innovative solvent dispensing system industry expert, with over two decades of successfully designing, manufacturing, and maintaining standard and customized systems, and Erlab, a 50 year international leader in the field of filtered laboratory safety enclosures, whose quest is to transform current laboratory environments into zero emission laboratories, while also providing a safer laboratory environment.

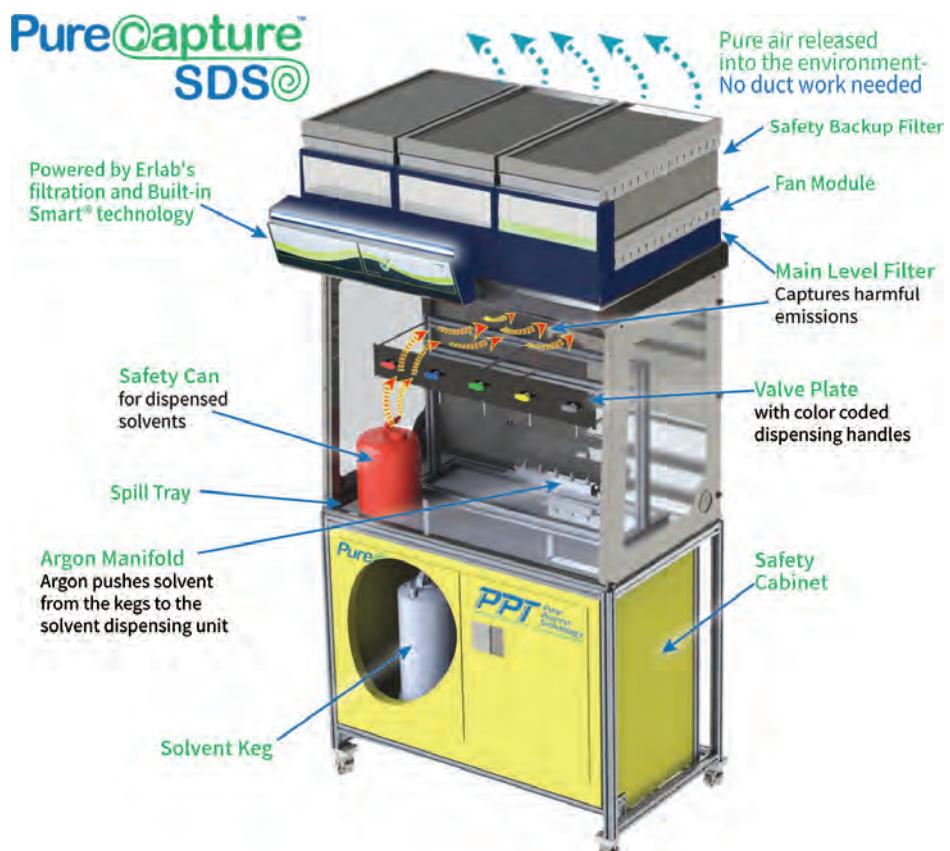
This collaborative effort has resulted in a technologically advanced product that is positioned to be the SDS forerunner, delivering reliability in an energy savings, control and cost reduction package for the safe dispensing of solvents in the laboratory space.



*PureCapture™ SDS offers quality engineering and safe solvent dispensing, in a reliable, duct free package.*

#### **System process:**

Argon from a cylinder, regulated down to 3-5 psi, flows through the argon manifold, and pushes the solvent out of the kegs and up through the color coded solvent hoses where matching dispensing handles in the valve plate control the dispensing of solvents.



**1** **PureCapture™ SDS**  
integrated with Erlab's advanced filtration, detection and communication, allows Pure Process Technology to provide a completely independent SDS system without the need for any facility HVAC.

With this solution, conditioned air is maintained within the lab, offering an extremely cost effective system, while guaranteeing the user safety with real time communication capabilities.

**2** **Safety features -**  
Meets AFNOR NFX 15 211, ASNI z.9 52012 and ASTM standards for filtration efficiency.

On-board broad range detection of chemical breakthrough past the primary level of filtration, continuous air flow monitoring and SMART® light technology, with Eguard.

**3** **Technically Advanced**  
With Erlab's SMART® technology, the PureCapture™ SDS is continuously monitoring all safety aspects of the products performance criteria.

Upon any potential functionality becoming compromised, the PureCapture™ SDS will provide both visual and audible alerts, with the ability to get real time digital push notifications.

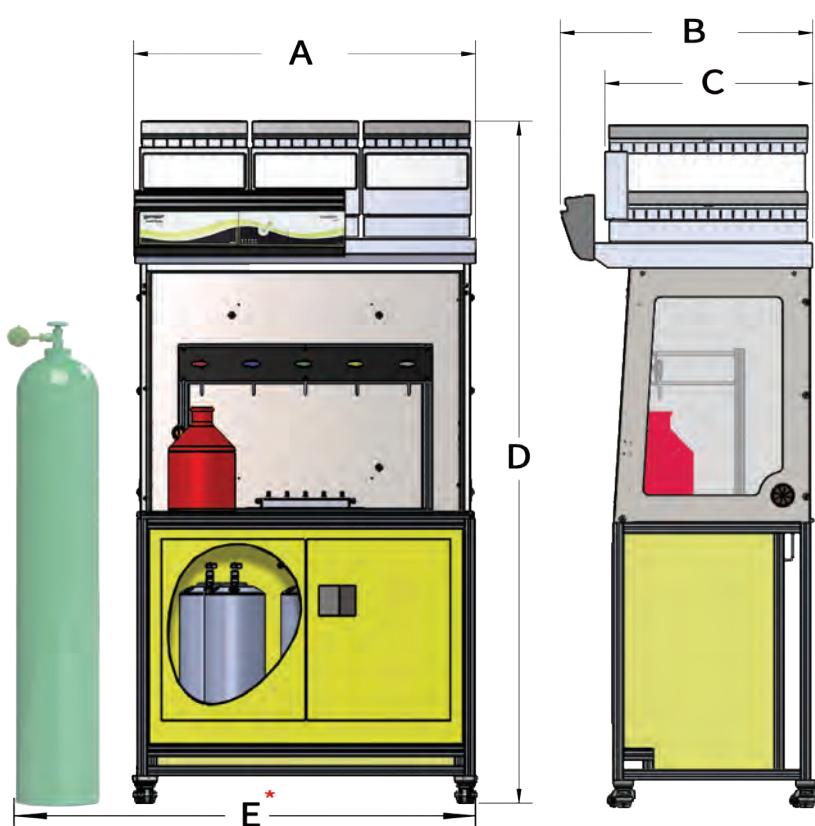
**4** **Quality Designed**  
and built for consistent, reliable, optimum results.

Our cabinet frames are constructed with durable extruded aluminum, and a phenolic resin tabletop work space mounted to an extrusion frame, while kegs are stored carefully under the tabletop in a safety cabinet. A dispensing valve plate with controls is mounted to the extrusion frame to allow safe dispensing of solvents.



For more information and to request a quote, call or email us today. 603-598-0691  
[info@ppttech.com](mailto:info@ppttech.com)

# Technical Specifications



	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E*</b>
<b>PC-SDS-4</b> Dispensing Capacity up to 6 solvents	51.25" (4'- 3-1/4")	37.75" (3'- 1-3/4")	31.00" (2'- 7")	102.00" (8'- 6")	66.75" (5'- 6-34")
<b>PC-SDS-6</b> Dispensing Capacity up to 9 solvents	71.50" (5'-11-1/2")	37.75" (3'- 1-3/4")	30.88" (2'-6-7/8")	103.35" (8'-7-1/4")	91.50" (7'-7-1/2")
* Argon tank shown as item E is for dimensions only, not included with system.					
115 volts required for fan filter unit					

## How the ductless filtering system works.

Benefits from Erlab's integrated filtration technology include an innovative fume hood that traps and retains a broad range of molecules which includes, organics, inorganics, acids and bases with one filter. This is all done while protecting the environment from harmful emissions being released into the atmosphere. By removing the HVAC, we not only drastically reduce the level of complexity of the installation process, but also provide a substantial annual cost savings on energy. Your lab will reduce their overall carbon footprint, without the need for duct work, while reducing infrastructure and energy cost.



Erlab's filtration transforms the air. Their innovative scientists view filtration technology from a different perspective ~ it's not just about the carbon. As experts in molecular filtration their filters:

- Utilize multiple layers of technology to transform molecules, allowing the simultaneous adsorption of solvents, acids, and bases: in organic, inorganic, analytical, physical, and general chemistry labs.
- Are designed with a unique filter frame that prevents carbon shifting and channeling which significantly extends the lifetime of the filter.
- Have a high retention capacity for an unprecedented level of safety and operating cost savings
- Are environmentally-friendly (contain no heavy metals)

Additionally, with SMART® technology, performance of the product is always measured, providing communication by mean of SMART light, audible and Eguard a web based communication platform.

*Real time monitoring includes:*

- Filter usage
- Filter performance and molecular breakthrough detection
- Face velocity
- Fan mechanics and blower speed
- Static Pressure
- Usage statistics

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