

# SDC

## PureCursor™

### TEOS Liquid Delivery System

#### Standard Configurations

- 1-container, [independent out]
- 2-container, [auto-switchover]

#### Standard Controls Features

- PLC control of all critical functions
- Bright 10.4" color touch screen interface
- Proven auto-sequenced routines for all aspects of operations and maintenance
- User settable limits for all process and alarm parameters
- Exhaust pressure monitor
- On screen warnings, alarms, prompting and instructions
- Emergency Off [EMO]
- EMO and EGO inputs
- Alarm outputs
- Multi-level password protection
- Diagnostics screen
- Valve cycle count screen
- Z-Purge ready for Class I Div II compliance

The SDC PureCursor™ Liquid Delivery System is an Ultrahigh Purity liquid chemical delivery system designed for use in CVD and other TEOS applications. The single container PureCursor LDS is a FULLY AUTOMATED system using a pressure dispense method. It is capable of housing vessel sizes up to 90 liters (depending on chemical supplier). Fitted with its optional purgeable splitter manifold, our TEOS delivery system can independently deliver to 2, 3 or 4 points-of-use.

This TEOS LDS can be configured as a small single source system, or as a bulk auto-switchover system for higher usages and uninterrupted supply. Let SDC configure a budget conscious unit that meets your exact requirements!



PureCursor™ LDS shown as a single source for up to 90 liters

## Process Panel Features

- Ultra-High Purity [UHP] 316L SS or VAR
- Surface finish 10 Ra
- Springless diaphragm valves
- Precision pressure transducers
- UHP orbitally welded w/strategic VCR® breaks
- Helium leak tested to  $1 \times 10^{-9}$  atm\*cc/s
- CLASS 100 / CLASS 10 clean room assembly and test

## Other Standard Features

- 11 gauge, fully seam-welded enclosure
- 110% spill containment
- Sump liquid leak sensor
- Self-closing, self-latching door and access door
- 110% spill containment

## Codes and Standards Referenced

- ASME Section IX
- SEMI S-2
- NFPA® 79, 496, [NEC®]
- Factory Mutual®
- CE®

# SDC

OEM discounts and private-labeling services available.

# PureCursor™ LDS



Large 10.4" color touchscreen interface

## FACILITIES REQUIREMENTS

|                     |                        |             |
|---------------------|------------------------|-------------|
| Pneumatic Supply    | adjustable to 90 psig  | 1 slm max.  |
| Process Purge       | adjustable to 80 psig  | 30 slm max. |
| Vacuum Drive        | adjustable to 85 psig  | 85 slm max. |
| Process Vent        | >1.0" WC               | 100 slm     |
| Power               | 115V/3A                | N/A         |
| Sprinkler [if used] | 30 psig                | 31 gpm      |
| Exhaust*            | >0.15 H <sub>2</sub> O | 250 scfm    |

\* Damper must be adjusted to meet 200 fpm face velocity as required by UFC.

SDC, A Total Solutions Provider for Your Gas and Chemical Management Needs

1117 Kings Highway

Saugerties, NY 12477

Tel 845.246.3631

Fax 845.246.1595

www.stainlessdesign.com

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