

DDS/2 Vacuum Chamber Hot Bar Pouch Sealer



12-DDS/2

The DDS/2 Vacuum Chamber Hot Bar Pouch Sealer was specifically engineered by SencorpWhite to answer the demand for a machine with the industry's most advanced vacuum capabilities, the repeatability of a hot bar sealer, and the reliability of the SencorpWhite brand name. The DDS/2 sealer is designed for the medical industry by the medical industry's preeminent packaging equipment supplier. Both the 12" and 24" versions are 100% validatable and calibratable, ISO 11607 compliant and CE compliant. The vacuum chamber also includes an NIST calibrated transducer.

The CeraTek DDS/2 is a constant heat bar sealer inside a vacuum chamber with independently controlled upper and lower heated seal dies. The system can draw a vacuum to 1 millibar and flush with any supplied gas source for repeatable residual oxygen levels below 0.1%.

An optional dual gas selector valve enables two separate gas sources to be connected to the machine. The process control package includes a touch-screen Human Machine Interface (HMI) and PLC. Operator access to the set-up screens is restricted via a key switch. The control system includes all process alarm capability including high/low temperature and pressure alarms and a short cycle time alarm for the sealing process and level/time out alarms for the evacuation/gas flush process. Discrete output ports for temperature, pressure, dwell time, and vacuum are included for verification of the accuracy and repeatability of the system.

The DDS/2 comes standard with SencorpWhite's extended 2-Year Warranty!

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SPECIFICATIONS

DDS/2

Vacuum draw to 1 milli-bar (at sea level)
Achieves residual oxygen levels below 0.1%
304 SS Construction
PLC Controls with LCD touch-screen HMI
Top and bottom heated seal dies
Top load door with window
Gas shock assist for door
Seal die length 12" or 24"
Medical-grade silicone rubber seal gasket mounted on chamber lid
Custom pouch clamp fixture to minimize pouch movement during vacuum, flush, and sealing processes
Automated pouch shuttle moves pouch forward into the seal area after the termination of all evacuation/flush cycles
Maximum package length 18 1/2" (depending upon where seal on package is located)
Temperature range: ambient to 400°F
Pressure range: 10 to 100 PSI (at gauge)
Dwell Time: 0.1 to 99.99 seconds

Control System:

Vacuum draw to 1 milli-bar (at sea level)
Panasonic PLC control with LCD touch-screen HMI
Digital indicators for vacuum, gas flush, seal die temperatures, seal pressure and seal time
Process alarms with lockout features for all process parameters
Process parameters and fault reset controls are key switched to prevent unauthorized program modifications
Evacuation/flush loop feature allows programming up to 9 cycle repetitions
Final evacuation can be selected if sealing under an inert gas "blanket" is not desired

Safeguards:

Process will not initiate if set points do not match actual process values
Process will not initiate if an alarm condition exists
Heated seal bars are guarded to protect both the pouch and the operator from the heated seal area
The door can not open during the vacuum, flush, and seal sequences
Equipped with an integrated E-Stop button

OPTIONS

Recipe Storage
Data Acquisition via Ethernet to a host computer
Ability to capture the Monitoring Thermocouples in the Data Acquisition System
Ergonomic load platform height control