

# DRYTEC AMERICA

Technical Data Sheet  
SDM-590-06112024

## TECHNICAL SPECS DATA SHEET

Drytec America Model Name	SDM-590
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### GENERAL DATA

Purge Source	Dry Air
Purge Rate Adjustment	Fixed by an Orifice
Type Of Desiccant	Activated Alumina
Size Of Desiccant	3mm (1/8")
Body Material	Aluminium
Paint External	Electrostatic Powder Paint
Control Type	Crouzet
Purge Valve	Piston Valve
Remote Access	Available

### REFERENCE DATA

**Designed Dew Point (°C / °F)	-40° / -40°
Max Ambient Temp (°C / °F)	50° / 122°
Min Ambient Temp (°C / °F)	1.6° / 34°
Max Inlet Temp (°C / °F)	50° / 122°
Max Rated Air Flow at 35°C (95°F) Inlet, 7 barg (100 psig) And 25°C (77°F) Ambient. (Nm <sup>3</sup> /h)	1000 (inlet to the dryer)
Min Working Pressure (barg / psig)	4.5 / 65
Max Working Pressure (barg / psig)	16 / 232
Relief Valve Setting (barg / psig)	16 / 232

### PERFORMANCE DATA

Pressure Drop (mbar / psi)	≤130 / 1.9
Avg Purge Rate (at -40 °C tdp)	15%
Cycle Time (For Two Towers)	480 Seconds
Regeneration Time (Per Tower)	180 Seconds
Cooling Time	N/A
Repressurization Time	60 Seconds
Dew Point Demand Control	Optional

### ELECTRICAL DATA

Standard Voltage	110-230V / 1 Ph / 50-60 Hz
Full Load (Amps)	1.6 Amper
Min. Circuit Ampacity	1.6 Amper
Input Power (kW)	<0.1
Unit Average (kW)	<0.1

### DIMENSIONAL DATA

Length (inch)	65.9
Width (inch)	15.75
Height (inch)	69.19
Weight (lbs)	-
Inlet-Outlet Connection	2"
Filters Included	X, Y, and P

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*Taking Air Treatment to New Heights*

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