

List of Abbreviations

Abbreviation *Full form*

ARR	Air Return Ratio
ASTM	American Society of Testing and Materials
CFD	Computational Fluid Dynamics
CSI	Concentrated Solar Irradiance
CST	Concentrated Solar Thermal
DNI	Direct Normal Irradiance
HP	Hagen-Poiseuille equation
LFR	Linear Fresnel Reflector
MFR	Mass Flow Rate
NDL	Non-uniform Dust Layer
OVAR	Open Volumetric Air Receiver
PoA	Power on Aperture
PTC	Parabolic Trough Collector
SATS	Solar Air Tower Simulator
SIMPLE	Semi-Implicit Method for Pressure Linked Equations
UDF	User Defined Function
UDL	Uniform Dust Layer
WBL	Without Boundary Layer

