

ADIABATIC HUMIDIFIERS	ADVANTAGES	LIMITATIONS	ANCILLARY EQUIPMENT
Centrifugal	<ul style="list-style-type: none"> ■ Simple ■ Provides evaporative cooling to surrounding air 	<ul style="list-style-type: none"> ■ Difficult to apply to air handling systems ■ Limited capacity ■ Possible plugging issues 	<ul style="list-style-type: none"> ■ N/A
Compressed Air and Water	<ul style="list-style-type: none"> ■ Adjusts to changes in demand, modulates output ■ High turndown of output ■ Provides evaporative cooling to surrounding air ■ Customizable to air handling systems ■ Available in a wide range of capacities 	<ul style="list-style-type: none"> ■ Requires sufficient volume of compressed air ■ Requires purified water ■ Longer evaporation distances ■ Requires sufficient pre-heat of air supply 	<ul style="list-style-type: none"> ■ Air compressor ■ Reverse osmosis water treatment system ■ Three way drain valve ■ Mist eliminator ■ Controls
High Pressure Atomizers	<ul style="list-style-type: none"> ■ Same benefits as Compressed Air & Water ■ Benefits of atomization without cost of compressed air 	<ul style="list-style-type: none"> ■ Requires purified water ■ Requires sufficient pre-heat of air supply ■ Longer evaporation distances 	<ul style="list-style-type: none"> ■ Reverse osmosis water treatment system ■ Mist eliminator ■ Controls
Ultrasonic	<ul style="list-style-type: none"> ■ Adjusts to changes in demand, modulates output ■ High turndown of output ■ Customizable to air handling systems ■ Provides evaporative cooling to surrounding air 	<ul style="list-style-type: none"> ■ Uses deionized (DI) water ■ Requires sufficient pre-heat of air supply ■ Longer evaporation distances ■ Needs to have an accurate reservoir liquid level ■ Limited output from each piezo crystal 	<ul style="list-style-type: none"> ■ Deionized water treatment system ■ Mist eliminator ■ Controls
Wetted Media Evaporative	<ul style="list-style-type: none"> ■ Available in a wide range of capacities ■ Provides evaporative cooling to surrounding air ■ Low energy consumption 	<ul style="list-style-type: none"> ■ Slow response to reduction in demand ■ Requires biocide ■ Non-purified water can lead to a build up of impurities ■ Water collection pan must be purged periodically 	<ul style="list-style-type: none"> ■ Controls ■ Recirculation pump