



**Houston Office**  
248 McCarty Dr.  
P.O. Box 15214  
Houston TX, 77220-5214  
(713) 672-8251  
Fax (713) 672-6336  
Email clemtex@clemtex.com

1-800-CLEMTEX  
www.clemtex.com

**Corpus Christi Branch**  
4750 Westway  
P.O. Box 5036  
Corpus Christi, TX 78465  
(361) 882-8282  
Fax (361) 882-6029

**Dallas Branch**  
4770 Gretna  
Dallas, TX 75207  
(214) 631-0584  
Fax (214) 631-5824  
1-800-BLAST 97

## Clemtex Air Dryers

The Clemtex Regenerative/Reheater Dryer is designed to cool compressed air, remove the moisture from the air and finally reheat the dried air to further increase the difference in dew point. Compressed air is directed into the first stage 'air to air' heat exchanger to store excess heat from the compressed air. This hot moisture laden air is then directed into the pneumatically driven fan cooled aluminum radiator where it is cooled and water vapor begins coagulating into large droplets. The cooled air is then directed through a coalescing filter to remove the moisture. This cool dry air is finally directed into the first stage 'air to air' heat exchanger where the air is reheated to further increase the difference in dew point of the air. This system includes a 2" air inlet, 2" hot air outlet, 3/4" hot air outlet and 3/4" cool air outlet.

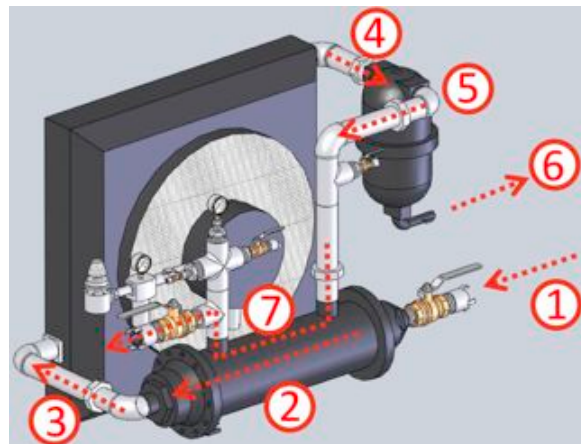
CFM	Mount	Part #
430	Skid	430SM
	Trailer	430TM
750	Skid	750SM
	Trailer	750TM
1000	Skid	1000SM
	Trailer	1000TM
1300	Skid	1300SM
	Trailer	1300TM
1700	Skid	1700SM
	Trailer	1700TM
2100	Skid	2100SM
	Trailer	2100TM



**Clemtex Regenerative Dryers are the most efficient dryers for portable blasting applications, and here's why:**

- 1. 180° Inbound moisture laden air** - Air in from compressor: A standard screw air compressor will increase compressed air temperature 100° over ambient temperature
- 2. Air to Air Heat Exchanger** - Inbound air heats exchanger to reheat air after cooling and moisture removal
- 3. 180° Inbound moisture laden air to fan cooler**
- 4. 90° Inbound moisture laden air** - Air is cooled in a high efficiency, vacuum formed aluminum pneumatic fan radiator
- 5. Cooled dry air to heat exchanger**
- 6. Moisture exhaust** - Moisture is removed from cooled inbound air thru a centrifugal trap
- 7. 140° Heated dry air outlet to equipment** - Cooled 90° dry air is heated to 140° hot dry air which further separates the temperature where moisture will occur.

\*\*\*Example conditions: 80° ambient, 60° relative humidity



**Cooling compressed air and extracting moisture does 50% of the job, an effective efficient dryer must also reheat the compressed air to further separate the air temperature where moisture will occur!**