



# MANUAL CHANGE SILICA GEL DESICCANT DRYER

## What is the True Cost of your system?

- ▶ Did you buy your current drying system because of its low upfront cost?
- ▶ Do you perform maintenance as specified?
- ▶ Do you know what the true cost is of your current system?

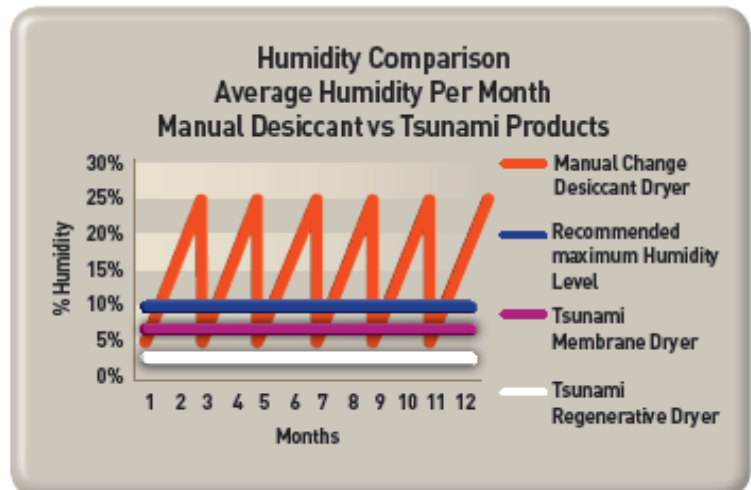
### TYPICAL COST OF MANUAL CHANGE DESICCANT SYSTEM

Upfront purchase cost of manual desiccant dryer system	\$500
1 <sup>st</sup> stage coalescence element (\$25 each, change four times per year)	\$100
2 <sup>nd</sup> stage coalescence element (\$100 each, change once per year)	\$100
Desiccant (\$90, minimum 6 times per year on average, depending on location)	<u>\$540</u>
<b>Total annual cost of current system</b>	<b>\$1,240</b>

### HIDDEN COST

Bad paint job as a result of humid air (exceeding 10%)	???
Downtime changing filters	???
Lost labor diagnosing problems	???
Labor costs incurred changing desiccant 6+ times per year	<u>???</u>
<b>Total Cost</b>	<b>\$???</b>

Manual change desiccant systems require you to perform maintenance by monitoring a moisture indicator. Unfortunately, when the indicator starts to change color your air has already exceeded by 100% the humidity threshold that paint companies recommend. This results in poor paint jobs!



Footnote: Actual system results will vary based on climatic conditions, shop environment, maintenance and other factors

# Tsunami Systems



## 20 CFM Membrane Drying System

Annual maintenance cost \$70

### Specifications

- 20 CFM max inlet flow w/ 16.7 CFM max outlet flow
- 3.3 CFM sweep air @ 100psi
- 175psi maximum inlet pressure
- 60psi maximum outlet pressure
- 100° F maximum inlet air temperature
- ½”NPT ports

### Features

- Only second stage coalescing element needs replacing
- No refrigerant to maintain
- No desiccants to replace
- No desiccant dust downstream
- No electrical connection
- Comes preassembled
- Mount inside paint booth

### Benefits

- Low maintenance cost
- Low service requirements
- Easy to maintain
- No contamination
- Locate where you want
- Easy and quick setup
- Located where you need it



## Regenerative Dryer

Annual maintenance cost \$90 (2<sup>nd</sup> stage filter) –  
after 3+ years \$215 for molecular sieve (x2 canisters – recommended replacements)

### Features

- Annually replace second stage coalescing element
- After 3 years replace molecular sieve
- Low relative humidity
- Expandable technology
- Capable of handling 2 spray booths
- Manufactured from aluminum billet
- Dual outlet ports
- Single piston
- Cartridge orifices
- 3 year warranty

### Benefits

- Low maintenance cost
- Low cost and easy service
- Waterborne ready
- Expands as your business grows
- Lower cost per booth
- No casting porosity
- Reduces pressure drop
- Less parts, more reliable, easy to service
- Provides customization options
- Reliable protection



## Annual Maintenance Cost

	1 <sup>st</sup> Stage Annual Cost	2 <sup>nd</sup> Stage Annual Cost	Annual Media Cost	Year 1	Year 2	Year 3	Total Over 3 Years
Manual Desiccant Dryer Systems	\$100	\$100	\$540	\$740	\$740	\$740	\$2,220
Tsunami Membrane Dryer	\$0	\$70	\$0	\$70	\$70	\$70	\$210
Tsunami Regenerative Dryer	\$0	\$90	\$430	\$90	\$90	\$520	\$700

Tsunami Compressed Air Solutions™ is a division of



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