



TSUNAMI PBE EQUIPMENT

PROFESSIONAL AIR QUALITY

FILTERS | DRYERS | DRAINS | ACCESSORIES

tsunami.us.com



DID YOU KNOW...

**OVER HALF OF ALL
PAINT FINISH ISSUES
CAN BE ATTRIBUTED TO
THE **QUALITY** OF YOUR
COMPRESSED AIR?**

FIND YOUR SOLUTION

Tsunami Compressed Air Solutions provides auto body shops and paint booths premium air treatment equipment for consistently clean, dry air. This means perfect finishes every time!



WHERE TO PLACE YOUR TSUNAMI SYSTEM?

Our versatile Tsunami regenerative dryers can be used for the entire facility or targeted to just the paint shop or the paint booth. Tsunami filtration should always be placed as close to the booth, or other points of use, as possible.

- ✓ Dryers supply dry air to the point of use or entire facility
- ✓ Dryers can be expanded
- ✓ Filtration is most effective at the point of use
- ✓ Mount filtration directly outside the booth



All Tsunami products come with a
manufacturer's warranty



Pure-5 Regenerative Dryer
21999-1105



Pure-5T Regenerative Dryer with
Moisture Minder Drains
21999-1105-T-MM



Ultra Series Regenerative Dryer
21999-0810

THE #1 RULE OF COMPRESSED AIR:

For Every 20°F that Compressed Air is Cooled, the Air Loses 50% of its Ability to Hold Moisture in Vapor Form (Humidity).

UNDERSTANDING AIR DRYING AND AIR FILTRATION... THERE IS A DIFFERENCE!

AIR DRYING | The Removal of Water Vapor (Humidity) from Compressed Air

Typically, this is accomplished in one of four ways:

- Desiccant (molecular sieve, activated alumina, silica gel)
- Membrane
- Refrigeration
- Deliquescent

WHEN TO USE COMPRESSED AIR DRYERS

Air dryers should be used when you want to remove or reduce the humidity levels in your compressed air system to meet or exceed the air quality requirements for the compressed air demands of your tools, equipment, or applications.

AIR FILTRATION | The Removal of Particulates, Water, Oil Droplets, and Aerosols

This is most effective when done in stages:

- **Water separator** - removes bulk water, oil, and large particulates (down to 10 micron)
- **Coalescing filter** - removes oil, aerosols, and fine particulates (down to .01 micron)
- **Activated carbon filter** - removes oil vapors; eliminates odors and taste (down to .003ppm)

WHERE TO PLACE COMPRESSED AIR FILTRATION

- The further away from the compressor, the more effective your filtration will work
- On or near the equipment, directly connected to air supply connection (IMPORTANT)
- In front of all air dryers as pre-filters
- Water separators should be placed at all air tool drops with regulators

IMPORTANT THINGS TO KNOW

- Proper control of air pressure throughout your facility can help **save 10-15%** of your compressed air energy costs.
- Repairing an audible air leak can save you \$50 or more per year in energy used to drive your compressor.
- Proper control of air volume (CFM) will make all your air drying and filtration technology perform at their rated capacity. Most pieces of equipment have a manufacturer's specification of volume consumption along with the recommended operating pressure.
- Improper use of volume can cause an "over-flowing" of the rated capacity of your dryer or filtration which causes a carry over of moisture and contaminants.
- Many OSHA approved blow off guns can consume up to 35 CFM, the equivalent of a 10 Hp compressor.
- Many color changing indicators used with desiccant systems do not begin to change color before 20% rH.

PURE SERIES REGENERATIVE DRYERS

- ✓ 2-stage Pre-filtration; Water Separator, Oil Coalescing Filter
- ✓ Regenerative Air Dryer
- ✓ Solenoid Valve Timer
- ✓ Automatic Drains
- ✓ Heater pads available for cold temp applications

Pure-5
21999-1105



Pure-10
21999-1010



PURE SERIES WALL-MOUNTED

Pure systems utilize a simple timed control valve for cycling & Tsunami pre-filtration to assure removal of water, oil and particulates before entering the dryer.



Pure Series dryers are available with either float or Moisture Minder® pneumatic drains.

PURE SERIES TANK-MOUNTED

The Pure Series Tank-Mounted dryers come as a complete package with tank attachments to support air flow.

The **Pure-5T** comes with a 1-gallon tank to maximize laminar air flow.

The **Pure-10T** sits atop a 60-gallon storage tank to increase shop capacity.

Pure-10T
21999-0955



Pure-20
21999-1020



Pure-5T
21999-1105-T



"The Rove"
21999-0945



TSUNAMI PORTABLE DRYERS

Tsunami's Portable Dryers are designed to give you ultimate mobility. These user friendly designs provide Tsunami world class air quality in a portable package.



Cut the cord! The Tsunami Rove is now available with pneumatic generator power supply. Pneumo powered models operate by consuming 1-2 scfm from the dryer.

Portable Pure-5T
21999-1100



WALL-MOUNTED DRYERS

ITEM #	MAX CFM	SIZE	POWER	DRAIN	PORT SIZE (NPT)	WEIGHT	DIMENSIONS (HWD)
21999-1134	5	1 HP	120v	Float	¼" inlet ½" outlet	42 lbs	25" x 17" x 12"
21999-1134-MM	5	1 HP	120v	Pneumatic	¼" inlet ½" outlet	42 lbs	25" x 17" x 12"
21999-1138	10	3 HP	120v	Float	¼" inlet ½" outlet	42 lbs	25" x 17" x 12"
21999-1138-MM	10	3 HP	120v	Pneumatic	¼" inlet ½" outlet	42 lbs	25" x 17" x 12"
21999-1105	15	5 HP	120v	Float	¼" inlet ½" outlet	42 lbs	25" x 17" x 12"
21999-1105-MM	15	5 HP	120v	Pneumatic	¼" inlet ½" outlet	42 lbs	25" x 17" x 12"
21999-1140	25	7.5 HP	120v	Float	½" inlet ½" outlet	50 lbs	27" x 21" x 12"
21999-1140-MM	25	7.5 HP	120v	Pneumatic	½" inlet ½" outlet	50 lbs	27" x 21" x 12"
21999-1010	40	10 HP	120v	Float	½" inlet 1" outlet	60 lbs	27" x 21" x 12"
21999-1010-220	40	10 HP	220v	Float	½" inlet 1" outlet	60 lbs	27" x 21" x 12"
21999-1010-MM	40	10 HP	120v	Pneumatic	½" inlet 1" outlet	62 lbs	27" x 21" x 12"
21999-1010-MM-220	40	10 HP	220v	Pneumatic	½" inlet 1" outlet	62 lbs	27" x 21" x 12"
21999-1020	80	20 HP	120v	Float	1" NPT	112 lbs	30" x 42" x 12"
21999-1020-MM	80	20 HP	120v	Pneumatic	1" NPT	112 lbs	30" x 42" x 12"
21999-1030	120	30 HP	120v	Float	1" NPT	150 lbs	36" x 42" x 12"
21999-1030-MM	120	30 HP	120v	Pneumatic	1" NPT	150 lbs	36" x 42" x 12"

Dryer flow rates based on 100°F at 175 PSI with an outlet pressure of 100 PSI. (maximum inlet pressure of 80 PSI)
Lower inlet pressure and higher temperatures affect the performance and quality of the downstream air.

PURE SERIES DRYERS CONT.

TANK DRYERS

ITEM #	MAX CFM	SIZE	POWER	DRAIN	PORT SIZE	WEIGHT	DIMENSIONS (HWD)
21999-1105-T	15	5 HP	120v	Pneumatic	¼" inlet ¼" outlet	50 lbs	26" x 18" x 12"
21999-1105-T-MM	15	5 HP	120v	Pneumatic	¼" inlet ¼" outlet	51 lbs	26" x 18" x 12"
21999-0955	40	10 HP	120v	Pneumatic	½" NPT	190 lbs	36" x 72" x 24"
21999-0955-220	40	10 HP	220v	Pneumatic	½" NPT	190 lbs	36" x 72" x 24"
21999-0955-PP	40	10 HP	Pneumatic Generator	Pneumatic	½" NPT	190 lbs	36" x 72" x 24"

MOBILE/PORTABLE DRYERS

ITEM #	MAX CFM	SIZE	POWER	DRAIN	PORT SIZE	WEIGHT	DIMENSIONS (HWD)
21999-1100	15	5 HP	120v	Float	¼" inlet ¼" outlet	51 lbs	27" x 21" x 13"
21999-1100-MM	15	5 HP	120v	Pneumatic	¼" inlet ¼" outlet	51 lbs	27" x 21" x 13"
21999-0945	40	10 HP	120v	Float	½" NPT	150 lbs	54" x 24" x 24"
21999-0945-PP	40	10 HP	Pneumatic Generator	Float	½" NPT	150 lbs	54" x 24" x 24"
21999-0945-PP-MM	40	10 HP	Pneumatic Generator	Pneumatic	½" NPT	150 lbs	54" x 24" x 24"

ULTRA SERIES REGENERATIVE DRYERS

- ✓ 2-stage Pre-filtration*; Water Separator, Oil Coalescing Filter
- ✓ Regenerative Dryer
- ✓ Moisture Minder® Automatic Drains
- ✓ Programmable Logic Control (PLC)
- ✓ Heater pads available for cold temp applications

* All Ultra Series Dryers come with oversized water filters and a special coalescing element to accommodate for expansion



ULTRA SERIES WALL-MOUNTED

Ultra series wall-mounted regenerative dryers are designed as complete packages. Systems can be configured in multiple variations allowing for pre-filtration to be installed on the left or right side of the unit. Dual inlet/outlet ports allow for bypass of the dryer where breathing air is required.

ULTRA SERIES TANK-MOUNTED

The optimal solution for any facility; simply connect shop air into the inlet fitting and out the regulator. It's that simple. Tank-mounted dryers provide absolute ease of installation. A built-in bypass system allows the dryer to be shutoff for maintenance or service without stopping production.

Dryer flow rates based on 100°F at 175 PSI with an outlet pressure of 100 PSI.*

Lower inlet pressure and higher temperatures affect the performance and quality of the downstream air.

*minimum inlet pressure 80 PSI



WALL-MOUNTED DRYERS

ITEM #	MAX CFM	SIZE	DRAIN	PORT SIZE	WEIGHT	DIMENSIONS (HWD)
21999-0710	40	10 HP	Pneumatic	1" NPT	73 lbs	30" x 30" x 12"
21999-0715	60	15 HP	Pneumatic	1" NPT	93 lbs	30" x 36" x 12"
21999-0720	80	20 HP	Pneumatic	1" NPT	118 lbs	30" x 42" x 12"
21999-0730	120	30 HP	Pneumatic	1" NPT	118 lbs	30" x 42" x 12"

Parts sent globally will include a -G with the part number.

TANK-MOUNTED DRYERS

ITEM #	MAX CFM	SIZE	DRAIN	PORT SIZE	WEIGHT	DIMENSIONS (HWD)
21999-0810	40	10 HP	Pneumatic	1" NPT	335 lbs	69" x 51" x 27"
21999-0815	60	15 HP	Pneumatic	1" NPT	358 lbs	69" x 51" x 27"
21999-0820	80	20 HP	Pneumatic	1" NPT	381 lbs	69" x 51" x 27"
21999-0830	120	30 HP	Pneumatic	1" NPT	381 lbs	69" x 51" x 27"

CORE SERIES DESICCANT AIR DRYER

The Tsunami CORE Series Desiccant Air Dryer is a manual change desiccant pot with our pre-filtration included (model without pre-filters available) to remove bulk liquids and fine particulates. The manual change desiccant cartridge eliminates dusting and tunneling of air flow through the media which improves the performance of the desiccant media.

- ✓ 2-stage Pre-filtration; Water Separator, Oil Coalescing Filter
- ✓ Molecular Sieve/Activated Alumina Desiccant Cartridge*
- ✓ Automatic Drains
- ✓ Wall Mounting Brackets

*Allow 17" clearance below dryer for service



CORE Series Dryer with Pre-Filtration
21999-1225

PART NUMBER	DESCRIPTION	MAX CFM	DRAIN	PORT SIZE (NPT)	MAX PSI	MAX TEMP	WEIGHT	DIMENSIONS (HWD)
21999-1225	Desiccant Air Dryer with Pre-Filtration	25	Float	1/2"	200	175°F	25 lbs	22 x 13 x 7
21999-1235	Desiccant Air Dryer without Pre-Filtration	25	Float	1/2"	200	175°F	14 lbs	22 x 5 x 7

2-STAGE MEMBRANE DRYER

The 2-Stage Membrane Dryer includes a water separator, oil coalescing filter, and membrane dryer.

- ✓ 2-stage Pre-filtration; Water Separator, Oil Coalescing Filter
- ✓ Membrane Dryer Core
- ✓ Automatic Drains
- ✓ Wall Mounting Brackets
- ✓ Outlet Regulator



15 CFM Model
21999-0889



10 CFM Model
21999-0357

PART NUMBER	MAX CFM	DRAIN	PORT SIZE (NPT)	MAX INLET PSI	MAX OUTLET PSI	MAX TEMP	DIMENSIONS (HWD)
21999-0889	15	Float	1/2"	175	60	150°F	36 x 72 x 24
21999-0357	20	Float	1/2"	175	60	150°F	36 x 72 x 24

BREATHING AIR SYSTEMS

Tsunami Breathing Air Systems are the optimal solution when Grade D breathing air is required. The complete system features industry-leading Tsunami 3-stage filtration along with continuous carbon monoxide monitoring that can be used in any SAR (Supplied Air Respirator) system.

- ✓ 3-stage Tsunami filtration system with automatic float drains
- ✓ Easy-to-read digital carbon monoxide alarm
- ✓ CO monitor calibration made easy with Autocal®
- ✓ Meets OSHA Grade D breathing air quality specifications



SINGLE-USER SYSTEM



MULTI-USER SYSTEM

PART NUMBER	DESCRIPTION	MAX CFM	PORT SIZE	DRAIN	MAX PSI	MAX °F	DIMENSIONS
21999-0265	Multi-User Breathing Air System - USA (10ppm)	50	½ NPT	Float	250	175	16" x 18" x 5"
21999-0980	Single-User Breathing Air System - USA (10ppm)	20	¼ NPT	Float	250	175	13" x 12" x 5"
21999-0265-CA	Multi-User Breathing Air System - Canada (5ppm)	50	½ NPT	Float	250	175	16" x 18" x 5"
21999-0980-CA	Single-User Breathing Air Panel - Canada (5ppm)	20	¼ NPT	Float	250	175	13" x 12" x 5"

TSUNAMI PACKAGES

Everyone expects the best from their compressed air filters; performance, durability, and serviceability. Expect nothing less from Tsunami Compressed Air Solutions!

- **Engineered flow technology** - maximizes the removal of water, oil, and contaminants.
- **Superior construction materials** - machined from 6061 aluminum then anodized inside and out for ultimate corrosion protection.
- **Unique modular design** - allows for easy service and maintenance.

Don't get fooled by other filters made from low quality cast aluminum then covered with a shiny coat of paint! Go with Tsunami.



SPECIFICATION CHART

PART NUMBER	DESCRIPTION	IMAGE	MAX CFM	PORT SIZE (NPT)	MAX PSI	MAX °F	DIMENSIONS
21999-0131	Water Separator	1	50	½	250	175	14½ X 2½ X 2½
21999-0494	Oil Coalescing Filter and Regulator	2	50	½	250	175	18 X 6½ X 6
21999-0253	Water Separator, Oil Coalescing Filter, and Regulator	3	50	½	250	175	17 X 13 X 4½
21999-0257	Water Separator, Oil Coalescing Filter, Activated Carbon Filter, and Regulator	4	50	½	250	175	18½ X 17 X 4½

FILTER DRAIN OPTIONS

Tsunami water separators and oil coalescing filters are designed to accommodate multiple drain types for specific application needs. Draining options include float drains, our patented Moisture Minder® Electronic Drain and our patent pending pneumatic drain.



FLOAT DRAIN REPLACEMENT

Standard with all filters.



MOISTURE MINDER® EDV

A fixed strainer screen removes contaminants before reaching the valve orifice.



MOISTURE MINDER® FILTER DRAIN

Requires only an intermittent pilot signal to operate. Designed to spin on the corresponding size Tsunami filter housing.

SPECIALTY SPRAY PACKAGES

These filter systems should only be used for light use applications such as air brushing, waterborne gun cleaners, and spot welders. For normal to heavy use conditions, use our 50 CFM filter packages.



PACKAGE #4 - 20 CFM

Special spray package with water separator, oil coalescing filter and regulator.



PACKAGE #6 - 20 CFM

Special spray package with water separator, oil coalescing filter, activated carbon filter and regulator.

SPECIFICATION CHART

PART NUMBER	DESCRIPTION	MAX CFM	PORT SIZE (NPT)	MAX PSI	MAX °F	DIMENSIONS
21999-0677	Water Separator, Oil Coalescing Filter, and Regulator	20	¼	250	175	10½ X 6½ X 3½
21999-0678	Water Separator, Oil Coalescing Filter, Activated Carbon Filter, and Regulator	20	¼	250	175	10½ X 10½ X 3½

SPRAY BOOTH PACKAGES

Whether spraying waterborne or solvent-based coatings, the performance of your paint job is maximized when following the paint system designed by your paint manufacturer. The same holds true when designing your air system. Give yourself an edge against your competition and provide the ultimate in clean, dry compressed air to your paint booth; Tsunami spray booth packages.



MOBILE

PART NUMBER	DESCRIPTION
21999-0945	40 CFM (10Hp) Tsunami Rove
21999-0449	35' Ultra-flo Spray Hose



SINGLE BOOTH AND PREP

PART NUMBER	QTY	DESCRIPTION
21999-0710	1	40 CFM (10Hp) Regenerative Dryer
21999-0494	1	Oil Coalescing Filter & Regulator
21999-0449	1	35' Ultra-flo Spray Hose



DOUBLE BOOTH AND PREP

PART NUMBER	QTY	DESCRIPTION
21999-0715	1	60 CFM (15Hp) Regenerative Dryer
21999-0494	2	Oil Coalescing Filter & Regulator
21999-0449	2	35' Ultra-flo Spray Hose



3+ BOOTH AND PREP

PART NUMBER	QTY	DESCRIPTION
21999-0830	1	120 CFM (30Hp) Ultra Drying System
21999-0494	3+	Oil Coalescing Filter & Regulator
21999-0449	3+	35' Ultra-flo Spray Hose

ULTRA FLO SPRAY HOSE

High quality and durable, the Ultra Flo Spray Hose is built with a proprietary internal lining that prevents breakdown and contamination, meaning you won't have to replace it as often.

- Engineered for high temperature exposure, up to 160°F
- Excellent solution for paint booth applications
- Extremely lightweight



SPECIFICATION CHART

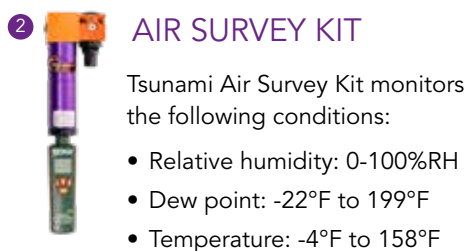
PART NUMBER	HOSE LENGTH	PACKAGE QTY	HOSE ID (IN)	THREAD SIZE (NPT)
21999-0449	35	1	3/8"	1/4 Female
21999-0450	50	1	3/8"	1/4 Female



SPECIFICATION CHART

PART NUMBER	IMAGE	THREAD TYPE	THREAD SIZE (NPT)	DESCRIPTION
21999-0831	1	Female	1/4	10-Pack of Prevost High Flow Hose Couplers
21999-0832	1	Male	1/4	10-Pack of Prevost High Flow Hose Couplers
21999-0833	2	Female	1/4	10-Pack of Prevost High Flow Hose Plugs
21999-0834	2	Male	1/4	10-Pack of Prevost High Flow Hose Plugs
21999-0835	3	Female	1/4	10-Pack of Prevost Nylon Tipped, OSHA Compliant

AIR MONITORING EQUIPMENT



4 AIR DIAGNOSTIC KIT

Quickly diagnose paint issues caused by contaminated compressed air!

- PURE-5T Portable Dryer
- High-Flow Female Coupler
- Tsunami Air Survey Kit (TASK)
- High-Flow Male Plug
- Ultra Flo Spray Hose



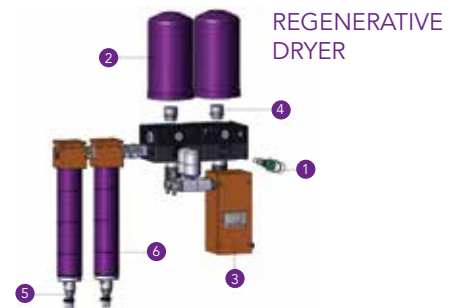
SPECIFICATION CHART

PART NUMBER	IMAGE	DESCRIPTION
21999-0938	1	Air Prep Kit: Includes Air Survey Kit and CFM Test Kit
21999-0440	2	Air Survey Kit: Measures Humidity, Dew Point, and Temp
21999-0447	3	CFM Test Kit: Measures Flow Rate
21999-1045	4	Air Diagnostic Kit: Diagnose Compressed Air Contamination

SERVICE PARTS



FILTER



REGENERATIVE DRYER

FILTER SPARE PARTS

PART NUMBER	DESCRIPTION
21999-0846	20 Series Water Separator Service Kit
21999-0227	50 Series Water Separator Service Kit
21999-0228	Ultra Series Water Separator Service Kit
21999-0394	20 Series Oil Coalescing Service Kit
21999-0202	50/120 Series Oil Coalescing Service Kit: Tsunami Rove or Pure-10 Regenerative Dryers
21999-0202-Z-SP	Oil Coalescing Service Kit: Ultra Model Regenerative Dryer
21999-0395	20 Series Activated Carbon Service Kit
21999-0200	50 Series Activated Carbon Service Kit
21999-0868	Float Drain Pack - Includes 3 Floats with Bottom Cap O-rings

REGENERATIVE DRYER SPARE PARTS

PART NUMBER	IMAGE	DESCRIPTION
21999-0707	1	Piston Replacement Kit for Regenerative Dryer
21999-0349	2	Tower Replacement (Standard)
21999-0976	2	Tower Replacement (Pure-1, 3, 5 only)
21999-0714	3	Power Supply - Regenerative Dryers
21999-0650-30	4	Tower Mounting Stud / Regen Valve (.030)
21999-1108-18	4	Tower Mounting Stud / Regen Valve (.018) (Pure-1, 3, 5 only)
21999-0941	-	Timer Air Valve Replacement (Pure Series only)
940825	-	Muffler replacement - Pure-1, 3, 5 only
21999-0700	-	Muffler replacement - Pure-7, 10, and Ultra Series

CORE DRYER SPARE PARTS (NOT PICTURED)

PART NUMBER	DESCRIPTION
21999-1230	Core Series Dryer Desiccant Cartridge Replacement

MEMBRANE DRYER SPARE PARTS (NOT PICTURED)

PART NUMBER	DESCRIPTION
21999-0355	Membrane Core Replacement

BREATHING AIR GFG SPARE PARTS (NOT PICTURED)

PART NUMBER	DESCRIPTION
21999-0264	Calibration Kit for CO Monitor (GFG 7735-101)
21999-0263	CO Monitor for Tsunami Breathing Air Panel (GFG RAM 744 (10ppm) - USA)
21999-0263-CA	CO Monitor for Tsunami Breathing Air Panel (GFG RAM (5ppm) - Canada)
21999-0267	110/120v Wall Pack Adaptor Replacement
1450004	Replacement CO Sensor (RAM 744)

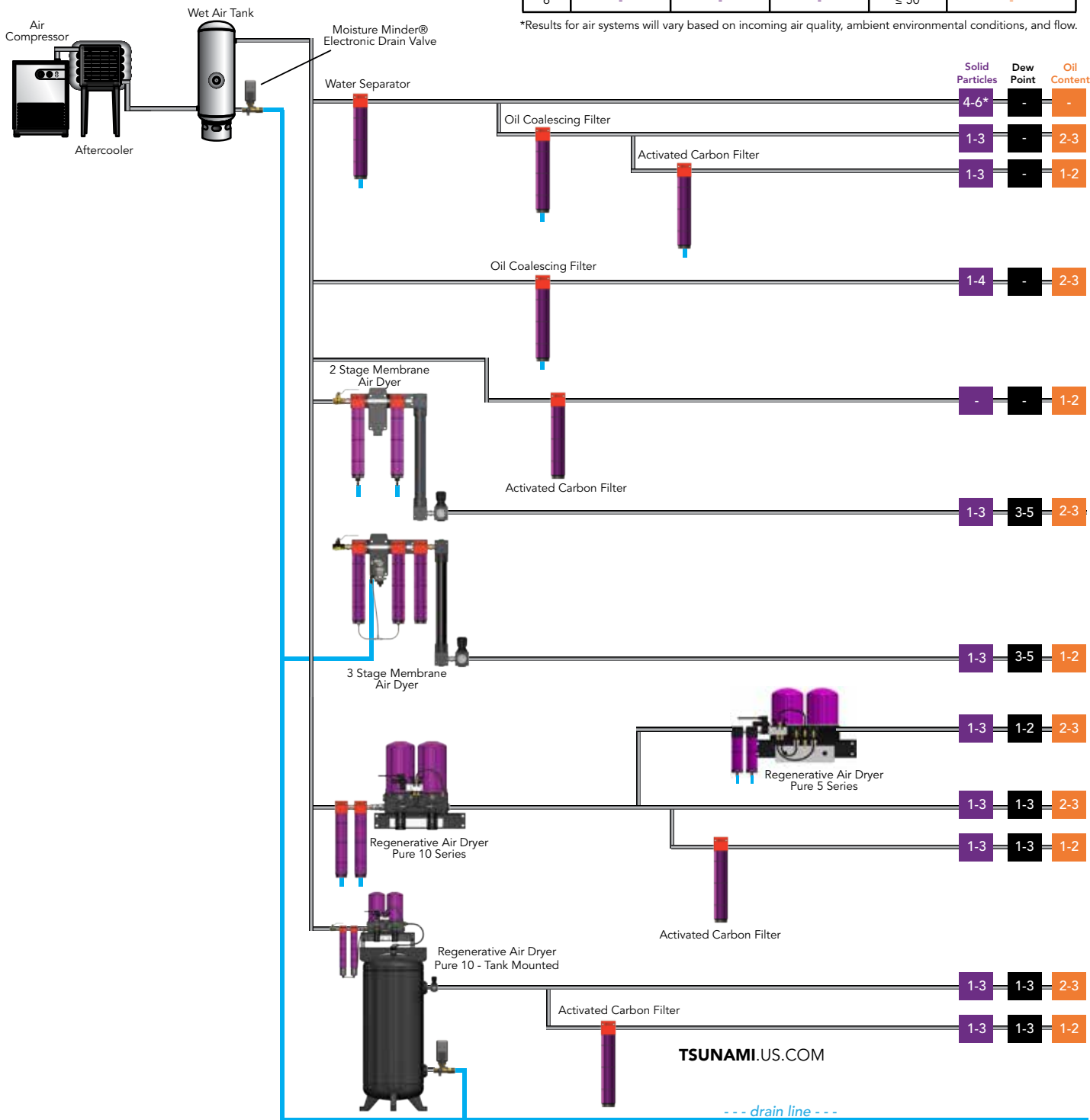
AIR SYSTEM SCHEMATIC

Use the diagram below to design your ideal air treatment system based on the ISO 8573-05 classes.

ISO 8573-05 Regulations

Class	Solid Particles, max. number of particles per m ³			Pressure Dew Point °F	Oil Content (liquid, aerosol, oil vapor) mg/m ³
	0.1 µm < d ≤ 0.5 µm	0.5 µm < d ≤ 1.0 µm	1.0 µm < d ≤ 5.0 µm		
0	In accordance with the unit operator's or supplier's specifications, stricter requirements than class 1				
1	≤ 20,000	≤ 400	≤ 10	≤ -100	≤ 0.01
2	≤ 400,000	≤ 6,000	≤ 100	≤ -40	≤ 0.1
3	-	≤ 90,000	≤ 1,000	≤ -4	≤ 1
4	-	-	≤ 10,000	≤ 37	≤ 5
5	-	-	≤ 100,000	≤ 45	> 5
6	-	-	-	≤ 50	-

*Results for air systems will vary based on incoming air quality, ambient environmental conditions, and flow.



CONTACT YOUR TSUNAMI REPRESENTATIVE

Our team is waiting to answer questions, provide clarification, and schedule a demo!



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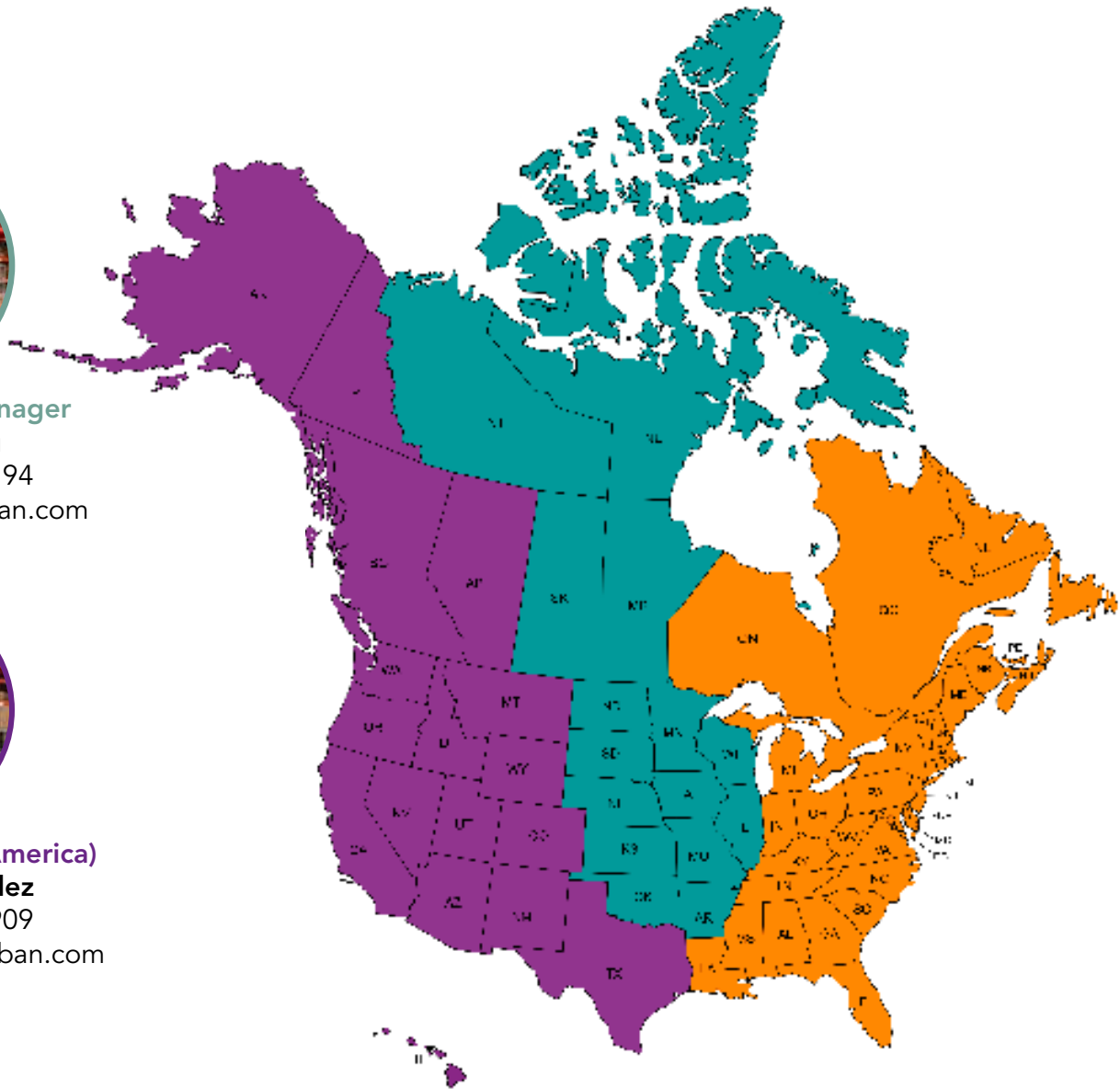


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