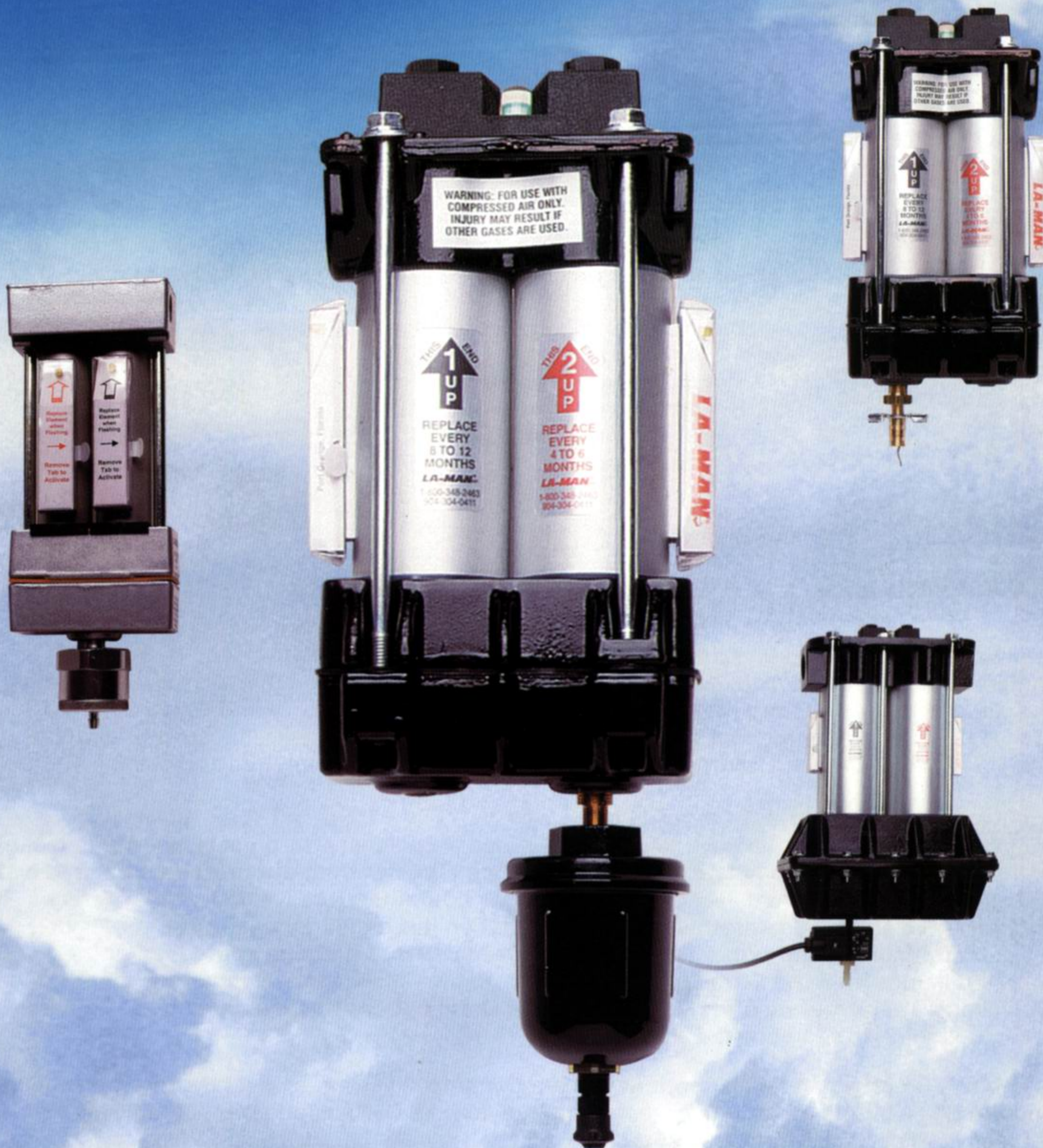


# LA-MAN<sup>®</sup>

*We Make Compressed Air Work<sup>®</sup>*



*Clean, Dry Air Improves Performance*





***We Make Compressed Air Work®***

**LA-MAN® CORPORATION** has provided filtration and lubrication products for the pneumatics industry since 1979. Our first product was the patented Pneumatic/Dryer followed by the patented Extractor/Dryer®, Pneuguard® and Float Drain.

We have further expanded our product line with the addition of FRLs (including a full range of manual valves), LA-MAN-AIR Breathing Systems™ (including a range of hoses, hoods and masks) and the Refrigerated Extractor/Dryer® Series.



The Golden Gate Bridge, Thermal Dynamics, Lockheed Martin and Tyson Foods are just a few of the many companies that use our products. We maintain a worldwide network of quality distributor branches to serve our diverse market. These companies all employ trained specialists, who can provide solutions to many of today's complex air control, filtration and purification problems.



## **Introducing the Extractor/Dryer® Series**

Contaminants from the atmosphere (dust, moisture and pollutants) are drawn into the compressed air system at the compressor intake. Sludge, oil & foreign matter may be added by the compressor itself during the compression process. These contaminants are concentrated and pushed downstream throughout the piping system. The moisture and oil will gradually condense into liquid, which can cause catastrophic problems if left inside the compressed air system.

For over twenty years, the **Extractor/Dryer®** has been the answer to removing 100% of these contaminants at the point-of-use. We now offer several optional attachments, which can make every installation more complete. OSHA requires that a lock-out/tag-out procedure be used with any compressed air device that must be routinely serviced, therefore we now offer a **Safety Lockout Valve** option. Compressed air works best when it is regulated to a constant pressure, so we also offer a **Regulator** option. Our standard **Weep Drain** continuously purges all of the collected liquids from the **Extractor/Dryer®**, but it can also allow a small amount of compressed air leakage. Therefore, we offer **Float & Electronic Drain** options that eliminate these liquids without venting the compressed air.

**LA-MAN®** also offers "Add-On" options like the **Oilinator™** that removes hydrocarbon vapors and the **LA-MAN-AIR Breathing System™** that provides an OSHA Grade D breathable air supply from any ordinary compressed air source.

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Depending on your application requirements, **LA-MAN®** offers products in a variety of combinations, which can provide clean, dry, regulated and lubricated air.



# Extractor/Dryer®

## Standard Features

### Differential Pressure Gauge

- Provides visual indication of particulate contamination
- Shows **Green** when the elements are clean
- Shows **Red** when the elements become contaminated with solid particles (indicates at 10psig pressure loss)

*Note: Not available on 520 or 195A models*



### Electronic Reminder

- Battery-powered, timed indicator
- Simple pull-tab activation
- Flashing **Yellow** LED is easy to see
- Provides a month-long continuous reminder when element replacement is due

*Note: Elements should be replaced once they become saturated with oil. Oil saturation will not activate the differential pressure gauge, but it does inhibit the performance of the Extractor/Dryer®.*

### Weep Drain

- Continuously drains collected liquids
- Manually adjustable
- Easy to clean (simply wiggle the wire)



### Convenient Element Replacement

- Fresh elements keep the Extractor/Dryer® operating at peak performance
- New element tubes can be easily installed without disconnecting piping
- Complete service kits provide everything that's required to renew the unit
- New electronic reminders are provided with every replacement element





# Extractor/Dryer® Optional Attachments

## Safety Lockout Valve

- Satisfies OSHA 29CFR1910.147 rule
- Can be padlock secured in exhaust position
- Automatically vents the Extractor/Dryer® for servicing when locked out

## Float Drain

- Patented siphon-tube design prevents vapor lock
- Activated by liquid level in bowl
- Metal bowl is compatible with most compressor lubricants



## Electronic Drain

- Fixed 2 second drain time
- Easily adjustable interval between drain cycles (0 to 30 min. range)
- Compact design
- 2 year warranty



## Pressure Regulator

- Push/Pull self-locking knob
- Quickly exhausts upstream pressure (secondary side)
- Dual scale pressure gauge

## Weep Drain (Standard With Unit)

## Oil Eliminator™

- Absorbs hydrocarbon (oil) aerosols and vapors
- Adds onto any Extractor/Dryer® (before the Regulator)
- Simply install a larger model to extend absorbant life
- Final filter prevents charcoal dust carryover



## LA-MAN-AIR Breathing System™

- Satisfies OSHA 29CFR1910.134 & ANSI/CGA G-7.1 1989 requirements
- Broad spectrum monitor continuously samples for any oxidizable chemicals (most systems only sample for CO)
- 90 dB Audible (120 db optional) & LED visual alarms
- Regulated multiple outlet with quick disconnect couplings

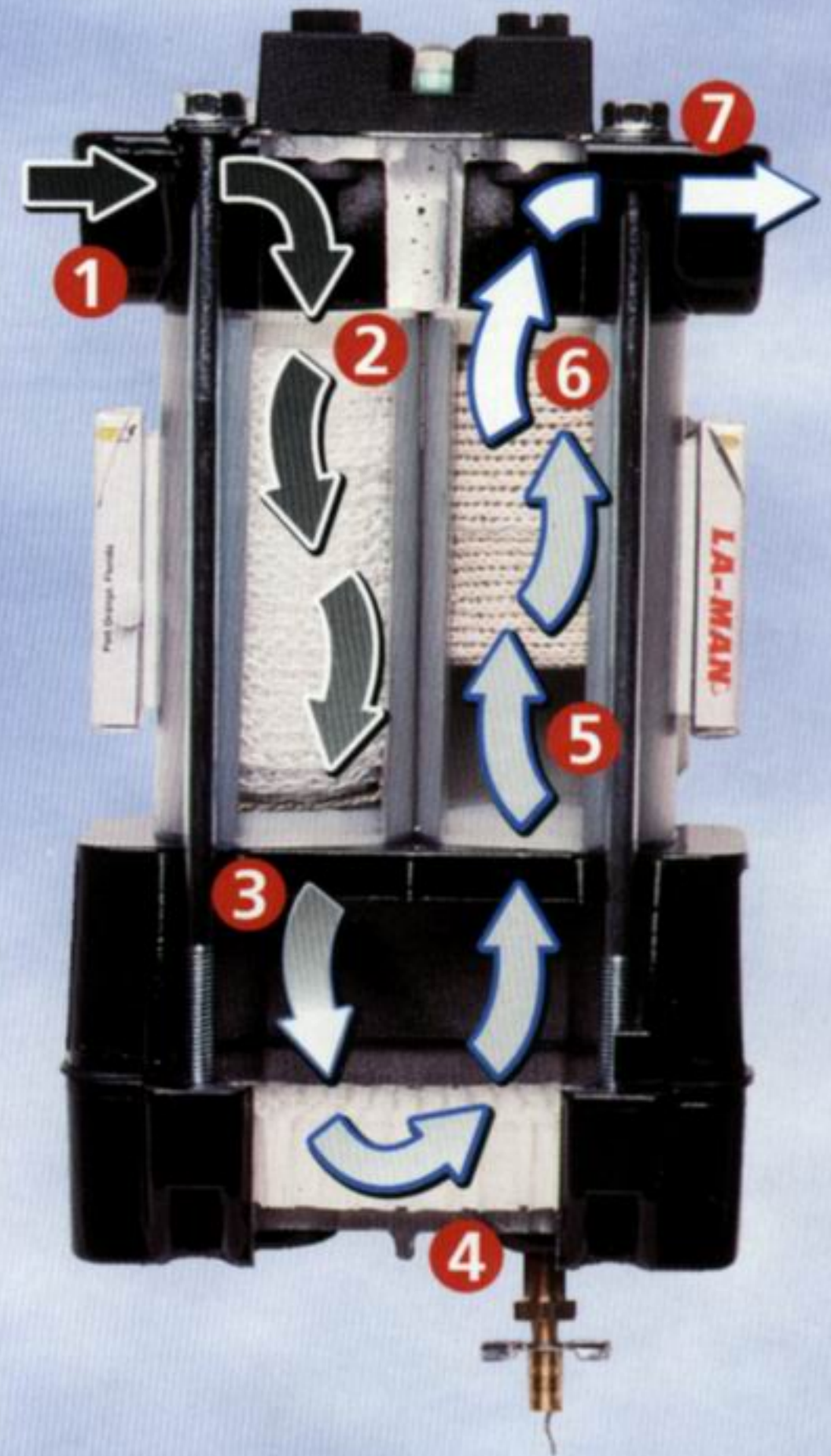




# Extractor/Dryer®

## How it Works:

- 1 Contaminated compressed air enters the first stage of the Extractor/Dryer®.
- 2 Coalescing occurs as the air passes through the mesh media, causing the moisture to form into large droplets.
- 3 Velocity decreases as the air passes through an extraction chamber, where the droplets collect as a liquid to be safely drained away.
- 4 Liquid collects within the honeycomb, which inhibits re-atomizing, and the liquid is drained out through a valve.
- 5 Dirt particles ( $\leq 5\mu$ ) collect in the second stage as the air passes through.
- 6 Fine aerosols of water & oil are absorbed into the second stage media.
- 7 Clean, dry compressed air exists with no dirt, rust, oil, or water remaining to disrupt your process or equipment operation.



## Applications:

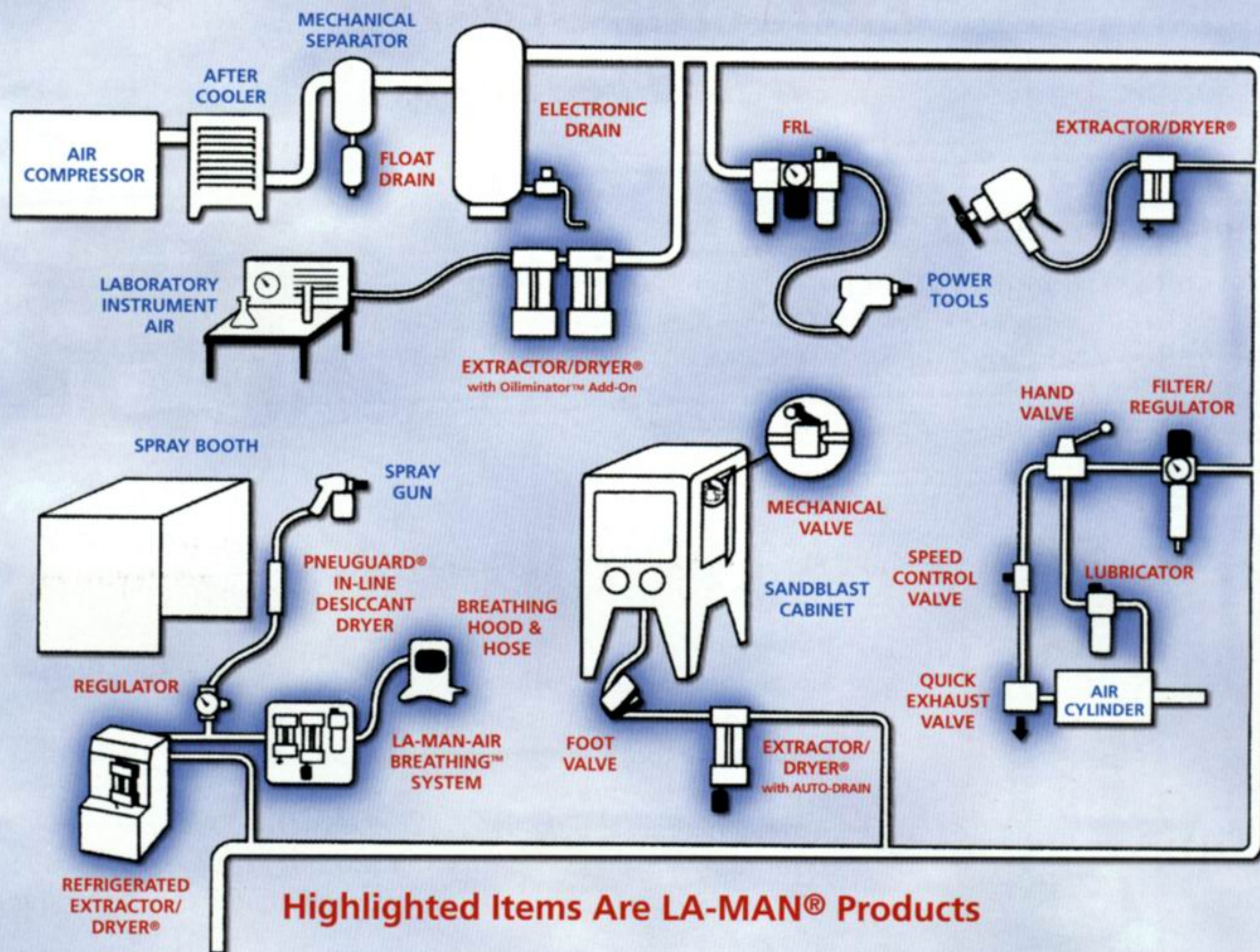
- Model 520 is ideal for plasma cutters & dental applications
- Models 105 & 110 work well with hand powered tools & painting applications
- Model 120 is suited for food processing, bottling, electronics and textile applications
- Models 140 & 180 handle the larger demands of sandblasting, bulk chemical conveying, paper manufacturing, etc.

## SPECIFICATIONS

Model	520A	520B	105	106	107	110	111	120	140	180	195A
NPT	1/4"	1/4"	1/4"	3/8"	1/2"	1/2"	3/4"	1"	1 - 1/2"	2"	4" Flange
SCFM	15	15	50	50	50	80	80	150	250	500	2000
MAX.PSI	250	250	250	250	250	250	250	250	250	150	150
$\Delta P$	6	6	7	7	7	5	5	4	5	4	7
SERVICE KIT	015SK	015SK	050SK	050SK	050SK	080SK	080SK	150SK	250SK	500SK	195SK
SIZE	7-1/8x 3x1-1/4	8-1/4x 3x1-3/4	9x 4x2-1/2	9x 4x2-1/2	9x 4x2-1/2	12-1/2x 6x3-1/4	12-1/2x 6x3-1/4	15-3/4x 9-1/2x5-1/2	20-3/4x 12-1/2x7-1/4	27-3/4x 18x9-3/4	42-1/2x 32x17
APPR. WT.	2#	2#	3#	3#	3#	6#	6#	15#	36#	70#	375#

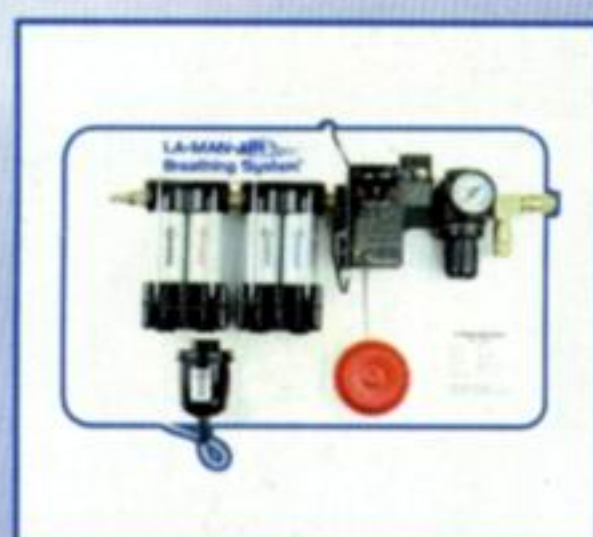


# We Make Compressed Air Work®



**Refrigerated Extractor/Dryer®**  
Alters the dew point by converting water and oil to a liquid state for removal.

**FRL Series**  
Filters, Regulators, Lubricators and manual valves for compressed air lines.



**LA-MAN-AIR Breathing System™**  
Provides monitored Grade D Breathable air. Includes a complete line of masks, hoods, & hoses.

**Electronic Drain Valves**  
Eliminates the risk of human error. Provides controlled condensate drainage... every time.



**LA-MAN®**  
Corporation



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