

Answers to Frequently Asked Trailblazer® 302 Air Pak™ Questions

Air facts

- Moisture going into a compressor also comes out.
- Air compressors heat air, turning moisture droplets into vapor.

How can I reduce moisture in the air?

Air Cooler with Separator #300 420

- **Most popular.**
- The cooler cools air which turns vapor moisture into droplets and the separator removes the droplets.
- Removes 70% of the moisture from the air.
- Use for most applications including tools, blasters, plasma cutters and gouging.
- Effective when temperatures are above freezing (this is also when the most moisture is in the air). Below 32 degrees the separator can freeze. If this happens, bypass the cooler/separator system and continue air operations without drying it.
- Fully integrated inside of the Air Pak.



RTI Filter #300 491

- Recommended for plasma cutting. Separators remove droplets of water, not vapor, but this is good enough for most plasma cutting applications.
- Because compressors heat air, this filter option is less effective at removing moisture (heat turns droplets into vapor and vapor is not filtered).



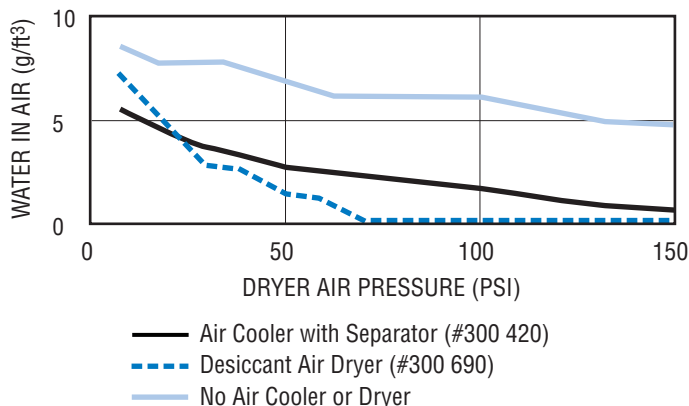
Desiccant Air Dryer #300 690

- Cools air and removes 99% of the moisture from the air.
- Primary use is when temperature ranges below freezing and moisture still must be removed from the air.
- Has a built in heater.
- Mounted externally from the machine with some wiring that needs to take place inside of the machine.



Note: Reduces air flow up to 4 CFM at all speeds.

MAX FLOW ABSOLUTE HUMIDITY



What does Average vs Continuous CFM mean?

- Air tools are often rated as “Average CFM.” “Average CFM” is typically based on 15 second usage intervals. Impact wrenches, button punch/deck tools, and decking crimp tools are typically used intermittently (short time durations).
- Continuous CFM: This rating is based on continuous usage. Air grinders and sand blasters are examples of air tools that are used continuously.

The Air Pak will easily run the following:

Air Tools	Average CFM*	Continuous CFM*
3/4 in Impact Wrench (IR 2141)	10	40
3/4 in Impact Wrench (Speedaire)	7	26
1/2 in Impact Wrench (IR 231C)	4	22
Needle Scaler (IR 182LNA1)	3	13
4-1/2 in Grinder (Dayton)	7	26
1/4 in Die Grinder (IR G1H350RG4)	6	25
1/2 in Drill (IR 7AQSTB)	4	17
Air Shears (IR 7802SA)	4	21
Sand Blaster	—	6
Soda Blaster	—	18
Button Punch/Deck Tool	—	4
Decking Crimp Tool	4	15

*1/2 in air hose is recommended for better tool efficiency.

Note: Impact wrenches use Continuous CFM when “free” spinning. In actual use, CFM requirements are less. Thus, the Trailblazer Air Pak is rated to run a 40 CFM impact wrench.

How do I access the air?

The Trailblazer Air Pak provides 4 convenient air compressor access points. The air outlet connection requires a 1/2 in NPT swivel fitting (50 ft air hose assembly #300 571 includes the 1/2 in NPT swivel fitting).

