



TURANAIR®

• **SYSTEMS, INC.** •

Racing Products



Revolutionary Portable
Air/Nitrogen Technology

Regulators



T-100 Regulator

Weight: 1lb.-5oz.

Output Pressure: 0-165 Psi

Tested Under Water @ 4900Psi

American Made/German Made

REGULATOR SPECS

- Model: **T-100**
- Working Pressure: 4500Psi
- Overall Length: 3 ¼"
- Overall Width: 2 ⅛"
- Weight: 1lb.-5oz.
- Output Pressure: 0-165 Psi
- Tested Under Water @ 4900Psi
- Thermal Regulator Working Test Pressure: -10° F
- All American Made, Quality, Durable and Reliable

REGULATOR USES

T-100 Regulators can be used on all our different size vessels.

Construction nail guns and staplers.

To power Impact Wrenches.

Top Off Air/Nitrogen in tires at the Race Track, garage and pit area.

Assembly Plants using pneumatic torque tools.

The Military - for building, vehicle maintenance work and Inflatable Cushions.

Spraying paint and lacquers.

Vehicle and farm equipment service work for the road side, garage or on the farm.

Powers pneumatic tools for Underground Coal Mining.

Roofing and Wood, Aluminum and Vinyl siding.

This Regulator will never freeze up even in the harshest of climates.

Limited Life Time Warranty.

PRO500 Regulator

Weight: 1lb.-7oz.

Output Pressure: 0-500Psi

Tested Under Water @ 4900Psi

American Made/German Made



REGULATOR SPECS

- Model: **PRO500**
- Working Pressure: 4500Psi
- Overall Length: 3 3/8"
- Overall Width: 2 3/8"
- Weight: 1lb.-7oz.
- Output Pressure: 0-500Psi
- Tested Under Water @ 4900Psi
- Thermal Regulator Working Test Pressure: -10° F
- All American Made Quality, Durability, and Reliability

REGULATOR USES

The PRO500* Regulator was designed specifically for the Racing Industry. Its intended use is to provide portability, light weight, and offer a safer environment by eliminating or reducing hoses in the Team's facility, Track Garage and Pit areas.

The PRO500 Regulator is adjustable up to 500Psi output pressure, and coupled with the smaller work bottle, offers amazing portability, designed to power your impact wrench or use directly with the Lift Wand.

The PRO500 Regulator is very durable and can be used in extreme weather conditions.

No daily, weekly or monthly maintenance required.

Limited Life Time Warranty.

* coupling not included



T-100 Regulator Case Kit



Model # **WBDK68-45**

FEATURES

- T-100 Regulator
- 68ci/4500Psi Carbon Fiber Bottle
- Adjustable output pressure to 165 Psi
- 6' Coiled hose w/mini coupling
- Dual indicator gauges for working & btl pressure
- Easy access fill port to refill bottle
- Deluxe Pouch
- Impact resistant Deluxe Carrying Case



PRO-500 Regulator Case Kit



Model # **WBDK114-500**

FEATURES

- PRO500 High Flow Regulator/no couple
- 114ci/4500Psi Carbon Fiber Bottle
- Adjustable output pressure up to 500Psi
- Dual indicator gauges for working & btl pressure
- Easy access Fill Port to refill bottle
- Deluxe Pouch
- Impact resistant Deluxe Carrying Case

PRO-500 Regulator Dual Cart Kit

Model # **WBDC-550-PRO-500**

FEATURES

- 2-550 Work Bottles 4500Psi
- 2-PRO500 Regulators
- Output pressure adjustable to 500Psi
- 1-Deluxe Aluminum Cart
- 1-Tank & Reg adjustable for Impact Wrench
- 1-Tank & Reg adjustable for Lift Wand
- Light Weight: approximately 50lbs. filled



PRO500 Series

Model # **WB1624-PRO500**

FEATURES

- WB1624=258cf @4500Psi
- PRO500 Regulator
- Output pressure adjustable to 500Psi
- Light Weight: 31lbs. empty-50lbs. filled
19lbs. of Compressed Air or Nitrogen
- Replace the heavy steel tanks in the pit carts with Light Weight Carbon Fiber Tanks
- 3 Steel Tanks = 690- lbs. In the same space put 6-WB1624 Tanks Filled = 300lbs and double the volume of compressed Air or Nitrogen
- Never remove the WB1624 Tanks from the pit cart to refill them (saves labor).
- Savings on Transportation Costs



Optional: Aluminum Cart



PRO500 Series

Model # **WB550-PRO500**

FEATURES

- PRO500 High Flow Regulator
- 550ci = 88cf @ 4500Psi
- Adjustable output pressure to 500Psi
- Dual indicator gauges for output & btl pressure
- Easy access Fill Port to refill tanks
- Roll Control & Carry Handle
- (Optional) Tank Boot & Handle



PRO500 Series

Model # **WB 1624-PRO500**

FEATURES

- PRO500 High Flow Regulator
- 1624ci = 258cf @ 4500psi
- Adjustable output pressure to 500Psi
- Dual indicator gauges for output & btl pressure
- Easy access Fill Port to refill tank in place
- 1-1624ci tank weighs 31lbs. empty/50lbs. full
- 50lbs. full @4500psi

Optional: Aluminum Cart

T-Force™ Reserve Tanks

Model # RT-550 Reserve Tank

FEATURES

- 550ci = 88cf /4500Psi Carbon Fiber
- S.S. Fill Station w/tank pressure gauge/fill nipple & on/off valve
- Quick connect hose couple
- Weight: 14lbs. empty/20lbs. full
- Length: tank only - 21 ¾”
- Tank boot & carry handle (optional)



T-Force™ Reserve Tanks

Model # RT-1624 Reserve Tank

FEATURES

- 1624ci = 258cf /4500Psi Carbon Fiber
- S.S. Fill Station w/tank pressure gauge/fill nipple & on/off valve
- Quick connect hose couple
- Weight: 31lbs empty/50lbs. full
- Length: tank only - 30 ¾”



Specification

Reserve Tank	PSI	Cubic Inches Cubic Feet	Demensions	Weight
RT-550	4500	550ci/87.4cf	Dia. 6.97 x Length 25”	Full-20lbs/Empty-11.5lbs.
RT-1624	4500	1624ci/258cf	Dia. 9.81 x Length 34”	Full-50lbs/Empty-31lbs.

Work Bottles & Lift Wands

WORK BOTTLES and LIFT WAND ILLUSTRATION ONLY

TURANAIR SYSTEMS DOES NOT SELL or SUPPLY LIFT WANDS

**Lift Wands can be used with any Turanair Systems Work Bottles;
WB68-45B - WB88-45B or the WB114-45B**



WB88 with Wand
& Pouch



WB88 with Wand



WB114 with Wand



WB114 with Wand
& Pouch

FEATURES

- Light Weight & Portable
- Eliminates hoses in the Team's Facility, Track Garage & Pit area
- Can be filled with Compressed Air or Nitrogen
- No Maintenance
- Easy to fill in minutes
- Carbon Fiber Bottles & Tanks (vessels) are warranted for fifteen years
- Turanair Systems Regulators carry's a Limited Lift Time Warranty
- Safer than dragging hoses over the wall

T-Force™ Deluxe Refill Stations 99.98% Moisture-Free High Pressure Compressed Air

Model # **COMP-E1-45B**

FEATURES

- High Pressure Rated Fill Hose
- Auto shut-off
- Auto Drain with timer & drain bucket
- Hour Meter
- Integrated steel carry handle
- Durable powder coating
- Up-Grade Filtration System



Specification

FILL TIMES

MODEL #	CI/PRESSURE	FILL TIME
WB68-3R	68ci/300psi	8 min.
WB114-45B	114ci/4500psi	12 min.
WB285-45B	550ci/4500psi	25 min.
WB550-45B	550ci/4500psi	40 min.
RT-550	550ci/4500psi	40 min.

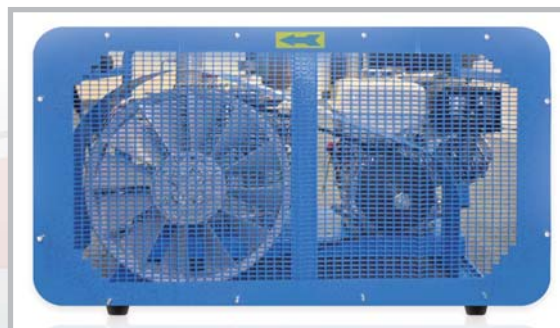
Specification

Model	Motor	Cubic Ft. Minute	HP	Dimensions	Weight
COMP-C1-345B	230v Single Phase	2.8 cfm	3	18.5"H x 28.7"W x 14.5"D	126 lbs
COMP-C3-345B	230v Three Phase	3.5 cfm	4	18.5"H x 28.7"W x 14.5"D	124 lbs
COMP-CG-345B	Gas	3.5 cfm	5.5	18.5"H x 28.7"W x 14.5"D	104 lbs

Model # **COMP-13-45B**

FEATURES

- High Pressure Rated Fill Hose
- Auto shut off
- Auto Drain with timer & drain bucket
- Hour Meter
- Electric Start
- Heavy Duty Steel Frame
- One set Pneumatic Wheels
- Heavy Duty Lift Handles
- 5.5Hp/ single or three phase
- Up-Grade Filtration System



Specification

FILL TIMES

MODEL #	CI/PRESSURE	FILL TIME
WB68-3R	68ci/300psi	1 min.
WB114-45B	114ci/4500psi	4 min.
WB285-45B	285ci/4500psi	8 min.
WB550-45B	550ci/4500psi	15 min.
RT-550	550ci/4500psi	15 min.
WB1624-45B	1624ci/4500psi	30 min.
RT-1624	1624ci/4500psi	30 min.

Tool Tester

Test all pneumatic tools for air leaks in minutes.



FEATURES

- Machined from T-6061 aircraft aluminum
- Universal quick connect tool coupling
- Heavy duty gauge with large dial for easy reading
- Open/close pressure knob
- Male fitting connects to an air source



6' BLUE COIL HOSE

PART # **WBH-6B-01**

Fits quick connect on WB68-3R, WB114-45B and WB285-45B.



SCUBA WHIP

PART # **SW-18-BLK-01**

Fill whip with SCUBA yoke used to fill any Work Bottle™ from a dive tank.



FILL ADAPTER

PART # **WBFA-45**

Used to fill all Work Bottle™ models with compressed air up to 4500psi at dive shops anywhere in the world.



SMALL POUCH

PART # **POU-SM-01**

Pouch for 68ci/3000psi Work Bottle™.



LARGE POUCH

PART # **POU-LG-01**

Pouch for 114ci/4500psi Work Bottle™.



SINGLE CART

PART # **CRT-1624-01**

Used with WB1624-45B Work Bottle™ or

RT-1624 Reserve Tank.



DOUBLE CART

PART # **CRT-1624-02**

Used with (2) WB1624-45B Work Bottles™ or (2)

RT-1624 Reserve Tanks.

Technical and Fact Sheet on Carbon Fiber Vessels

REGULATOR SPECS

Technical and Fact Sheet on Carbon Fiber Vessels:

The vessel will hold inert gases such as Argon, Helium, Nitrogen as well as Compressed Air and Compressed Natural Gas.

The manufacturer records the number of strands of carbon fiber used, the exact winding tension, and the winding pattern including angles, pitch and order of layers, the winding speed, the curing cycle time and resin content.

The DOT (Department of Transportation) burst test requirement demands that the vessel remains intact at the forced bursting, ensuring no shrapnel or projectiles.

The DOT (Department of Transportation) performs a burst test (one vessel out of each batch) which the burst pressure must exceed 1,231.00 Bar on a 310 Bar vessel.

The manufacturer performs the Hydrostat test on every vessel before it is sold.

Hydrostat test pressure is 524.00 Bar and required every five (5) years.

The thread design is clean cut, even and extends completely through the neck of the bottle. Straight threads must have a calculated factor safety of at least 10 at the test pressure of the cylinder.

All cylinders are manufactured using the exact same materials, the same manufacturing equipment, and same quality assurance procedures to ensure exact conformance, ISO 9001 Certified.

The drop test is performed at 3.05 meters onto a concrete surface onto its end and sidewall.

In the thermal test the cylinder is exposed to temperature variances of 93.3 degrees Celsius (200 degrees F) to minus 51.6 degrees Celsius (minus 60 degrees F)

The cylinder is capable of withstanding the impact of a 0.30 caliber armor-piercing projectile having a velocity of about 853.4 meters (2800 feet) per second directly into the sidewall angle of a full vessel. "Vessel does not explode."

All vessels can be legally filled 31 Bar more than the working pressure in accordance with the DOT (Department of Transportation) 310. Bar + 31. Bar = 341. Bar

Carbon Fiber vessels DO NOT have to be put in chilled water when filling.

All testing is performed in strictly controlled laboratory testing and at NO time should this be attempted to be duplicated or tried by amateurs outside of the controlled environment.

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