

INSTRUCTION MANUAL

AIRBRUSH COMPRESSOR TC910 Aspire PRO

Please thoroughly review Instruction Manual carefully before operating your new TC910 compressor.



CE ROHS



BADGER AIR-BRUSH CO.

1. Features:

1. Air tank provides smooth air flow, zero pulse.
2. Air pressure gauge with air filter. Pressure is adjustable.
3. Piston type; oil-less compressor
4. Immediate pressure with continuous air flow
5. Auto start and auto stop function.
6. Thermal protection
7. Low noise, 47db.

2. Application Field:

Airbrush compressor TC910, together with an airbrush, can be widely used in craftwork spraying, cosmetics, tattoo, tanning, hobbies/models, fingernail painting. It can be also used for providing air source for medical, environment protect, breed aquatics Industrial, food Industrial, chemical industrial, laboratory and so on.

3. Specification:

Type: Single Cylinder Piston Compressor With Air Tank Power: 1/6 HP

Speed: 1400/1700 r.p.m

Air output per min./liters: 20~23L/min

Auto stop, start at 4bar (57 psi), max pressure at 6bar (86 psi) Working pressure: 0~4 bar

Air tank: 3.0L

Weight: 18 Lbs. 8.1KG

Dimension: 33mmX140mmX 360mm

Suitable for airbrush with nozzle 0.2MM~1.0MM.

4. Operation directory:

1. The TC910 air compressor has a 1/8" BSP outlet with an attached 1/4" NPSM adaptor.
2. Attach airbrush to air hose; connect the air hose to the air compressor, plug into power supply. To start compressor, press power switch on top of compressor to "on".
3. Check for air leaks. If the compressor frequently starts and stops there may be an air leak at one of the connections. Be sure airbrush to air hose and air hose to air compressor connections are firmly tightened. The use of PTFE tape on the connections will help prevent leakage.
4. There is a difference between maximum pressure and working pressure. A compressor's maximum pressure is the highest pressure it can produce. When an airbrush is connected to the compressor and activated, the compressed air initially released through the airbrush nozzle is the maximum pressure. In contrast, the working pressure is the constant pressure the compressor will maintain while airbrushing. The level of the working pressure depends on the diameter of the airbrush nozzle; the larger the nozzle, the greater the amount of air released, which will lower the compressor's working pressure.
5. The compressor has a tank which can store compressed air before delivery to the airbrush. The tank is very useful and provides the following advantages:
 - a) Tanks provide a reservoir of pressurized air that you can draw from while you're spraying.
 - b) You can draw air at a regulated pressure from the tank instead of average pressure of the piston cylinder.
 - c) Because you are drawing air from the tank you are eliminating the tiny pulsation in the air

- supply caused by the physical motion of pistons pressurizing air.
- d) The life of the compressor increases because of using the air in the tank instead of the compressor always being on.
 - e) Tanks are great first line moisture traps.

*****NOTE:** The factory setting for all pressure regulators is such that the pressure adjusting knob is fully tightened (**Max PSI**); if a lower working pressure is desired, begin turning the pressure adjusting knob **counterclockwise** until the needle located on the pressure gauge has reached the desired pressure. It may take **several counterclockwise** turns before the pressure gauge reading begins to change. *******

5. Notice:

1. Always choose the appropriate air compressor with suitable air flow and pressure according to the actual working requirement.
2. Before connecting the compressor, check that the voltage is in compliance with the electrical requirements of the compressor motor.
3. Please follow local electrical regulations and safety precautions. If socket/adaptor is used it must be grounded.
4. Never leave the compressor exposed to excessive dust, acids, vapors, explosive or flammable gasses or atmospheric agents (rain, sun, fog, snow).
5. The compressor must be used in suitable environments, well-ventilated with an ambient temperature between 41 degrees F (5 C) and 104 degrees F (40 C)
6. Never use the compressor when bare foot; avoid contact with wet hands or feet.
7. Never allow children to touch the compressor while unit is in operation. Do not place any foreign objects in the compressor which may cause burns or electric shock.
8. Do not open or tamper with any part of the compressor without factory consultation. Questions regarding this compressor can be addressed to:

Badger Air-Brush Co. 9128 West Belmont Ave.
Franklin Park, IL 60131 www.badgerairbrush.com
Contact: 800-247-2787

9. Make sure you drain the water periodically from the tank by opening the water drain valve under the tank. Store the compressor in well ventilated and dry place.

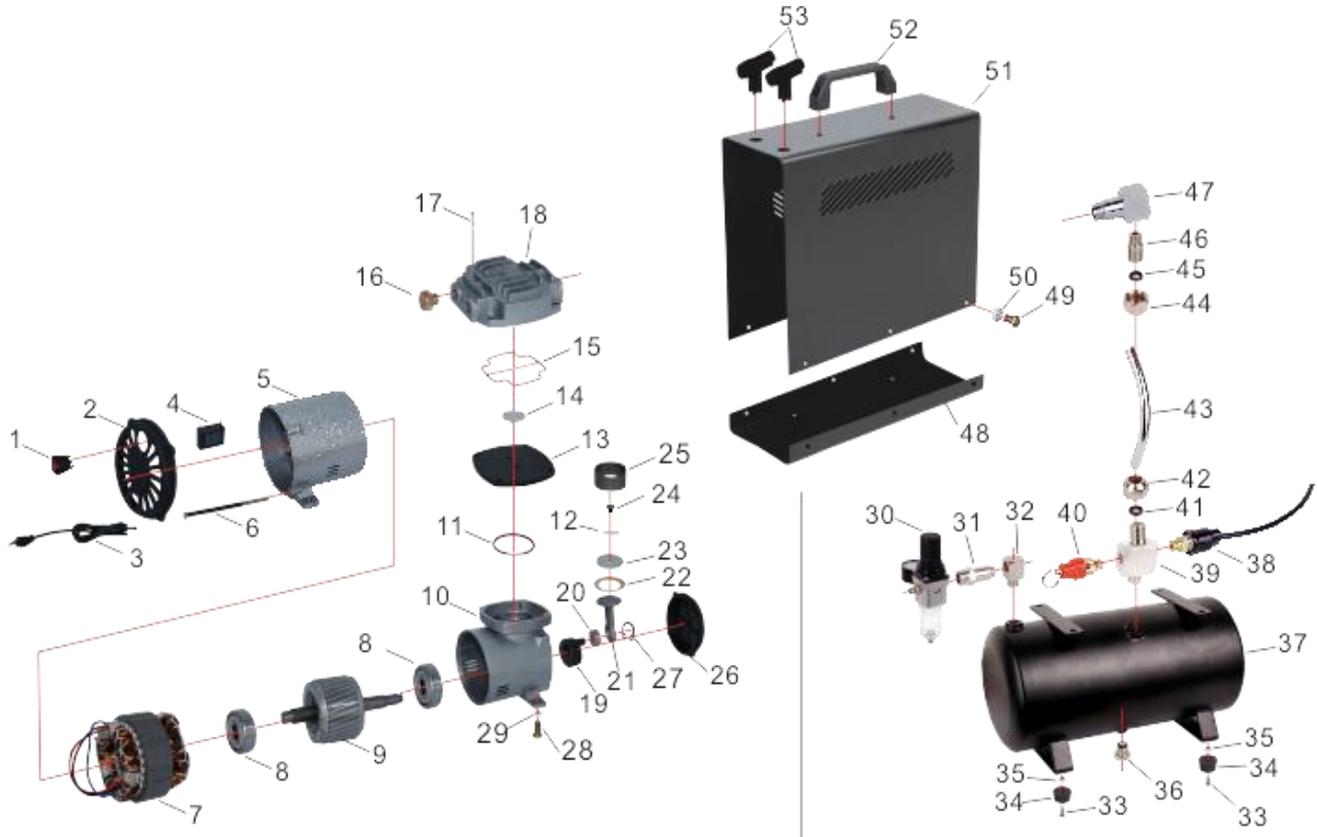
6. Warranty

Your BADGER AIR-BRUSH CO. compressor is warranted from defects in material and workmanship for a period of one (1) year from date of purchase.

A compressor failing within the warranty period due to defects in material and/or workmanship will be repaired or replaced (at Badger's discretion) without charge to the purchaser when returned with proof of purchase to BADGER AIR-BRUSH CO. Transportation to Badger is pre-paid by purchaser.

This warranty excludes compressors which have been subjected to corrosion, negligence, accident, or units which have been altered or abused in any way. All Badger products have a lifetime labor warranty.

7. Spare part list:



NO.	PART #	DESCRIPTION	QTY.	NO.	PART #	DESCRIPTION	QTY.
1	TC910N #01	POWER SWITCH	1	28	TC910N #28	SCREW	4
2	TC910N #02	REAR COVER	1	29	TC910N #29	NUT	4
3	TC910N #03	WIRE	1	30	TC910N #30	PRESSURE REGULATOR	1
4	TC910N #04	CONDENSER	1	31	TC910N #31	INLET VALVE ROB1	1
5	TC910N #05	REAR BODY HOUSING	1	32	TC910N #32	INLET VALVE ROB2	1
6	TC910N #06	SCREW	4	33	TC910N #33	SCREW	4
7	TC910N #07	STATIONARY MOTOR	1	34	TC910N #34	RUBBER PAD	4
8	TC910N #08	BEARING	2	35	TC910N #35	NUT	4
9	TC910N #09	ROTARY MOTOR	1	36	TC910N #36	WATER-DRAIN VALVE	1
10	TC910N #10	FRONT BODY	1	37	TC910N #37	AIR TANK	1
11	TC910N #11	O-RING	1	38	TC910N #38	PRESSURE SWITCH	1
12	TC910N #12	VALVE PLATE	1	39	TC910N #39	AIR SPLITTER	1
13	TC910N #13	CYLINDER BLOCK	1	40	TC910N #40	SAFETY VALVE	1
14	TC910N #14	O-RING	1	41	TC910N #41	O-RING	1
15	TC910N #15	O-RING	1	42	TC910N #42	COMPRESSION SCREW	1
16	TC910N #16	PRESSURE SWITCH	1	43	TC910N #43	HOSE	1
17	TC910N #17	SCREW	4	44	TC910N #44	COMPRESSION SCREW	1
18	TC910N #18	HEAD CYLINDER	1	45	TC910N #45	O-RING	1
19	TC910N #19	COUNTERWEIGHT	1	46	TC910N #46	OUTLET VALVE ROB2	1
20	TC910N #20	BEARING	1	47	TC910N #47	OUTLET VALVE	1
21	TC910N #21	LINK	1	48	TC910N #48	BASE	1
22	TC910N #22	COMPRESSION RING	1	49	TC910N #49	SPRING	6
23	TC910N #23	BLOCK	1	50	TC910N #50	NUT	6
24	TC910N #24	SCREW	1	51	TC910N #51	COVER	1
25	TC910N #25	CYLINDER	1	52	TC910N #52	HANDLE	1
26	TC910N #26	FRONT COVER	1	53	TC910N #53	HOLDER	2
27	TC910N #27	RETAINER RING	1				