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Instructions

TURBO 1 and TURBO 2 – Self-Contained Handpiece Control Unit

Technical Facts

TURBO 1:
Maximum air pressure: 0-100 p.s.i.
Tubing: 1 handpiece and 1 air water syringe
Components: Integrated water bottle, air regulator and foot pedal

TURBO 2:
Maximum air pressure: 0-100 p.s.i.
Tubing: 2 handpieces
Components: Integrated water bottle, air regulator and dual control foot pedal

Air Requirements: Clean filtered moisture free air recommended.

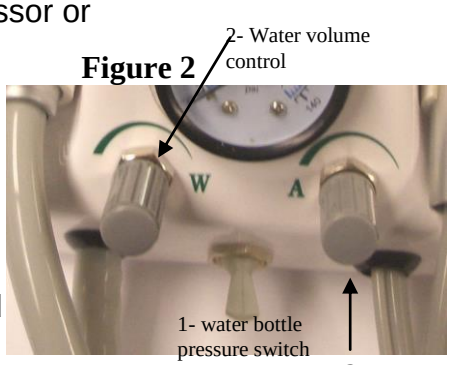
Figure 1

Initial Set-up:
Units come as a complete kit ready to hook up to any air compressor or air line.

Connecting to air source: Unscrew silver tubing fitting on back of unit [fig. 1]. Slide clear tubing (supplied) or other appropriate sized air tubing through hole in unscrewed cap and then slide tubing firmly onto the tubing fitting. For ease of insertion, place end of clear

plastic tubing into warm water for 1 minute. Screw cap on tightly to compress tubing and hold in place. The opposite end of clear tubing can then be put onto a compressor directly or air line. You may need special brass fittings (not supplied) to connect the air tubing to your air source depending on the size and set up of your compressor or air lines.

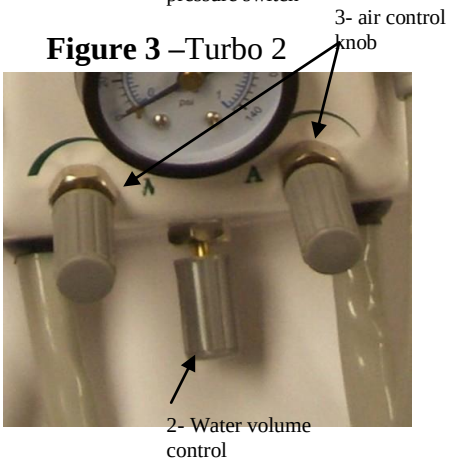
Figure 2



Filling/ Using Water Bottle:
Water bottle can be installed and removed by simply screwing it onto or off the bottle fixture. Note: water bottle can not be removed when pressurized.

The on/off bottle bottle pressurization switch (located behind the regulator on the Turbo 2 [fig. 1] and in the front fo the unit on the Turbo 1 [fig. 2]) must be off to remove or install the bottle. Once installed, flip the switch to pressurize the bottle and enable water function. Water can be disabled by leaving switch off.

Figure 3 –Turbo 2



The water bottle fixture comes with threaded holes to enable ease of installation/mounting in a hanging position.

Water Control: The quantity of water coming through the tubing can be controlled by the water spray control knobs labeled W1. Turning the knob clockwise will increase the spray. The knob can be turned counterclockwise until it can go no further to stop all water flow.

Water Problems? If no water is spraying, check to be sure the water bottle is full, the water bottle pressurization switch is on and the water control knob is on an open posititon. Lack of water through a handpiece could also mean there is a clog in the handpiece. Without a handpiece connected, press foot control to see if water is flowing.

Air Pressure/ Air Regulator:
The unit comes with a built in air regulator, but air flow can also be regulated by the convenient air control knob (s) located on the front of the unit labelled A1 (A2) [fig. 2&3]. For convenience, we recommend on initial set up to open the regulator to allow full air pressure and then manually adjust the desired air pressure with the air control knobs.

Figure 4

The regulator can be adjusted by firmly lifting up the black control until it clicks [fig. 4]. Turning the regulator clockwise increases teh flow of air. When finished adjusting the regulator, press the knob back down into place. Air flow to the tubing can be increased by turning the air control knob (s) clockwise.

Foot Controls:
The foot control is pre-installed for your convenience. The more pressure applied to the foot pedal, the greater flow of air will go to the tubing giving the user an additional means to control air pressure. For the dual foot control Turbo 2 [fig. 5], each pedal independently operates the associated handpiece tubing. The left pedal (A1) will operate the tubing on the left (A1) and the right pedal (A2) will operate the right tubing (A2). The air/water syringe on the Turbo 1 operates independently of the foot control.

Figure 5

Exhaust Air:
The small tube (s) partially revealed out of the back of the unit are the air exhaust tubes from the handpiece tubing. They are extending out purposefully in case you desire to exhaust the air further away from the unit (user) which will reduce the sound of a handpiece as it runs. You can connect the exhaust tube to an additional legnth of tubing to exhaust in a different location if desired.

Cleaning and Care

Your Johnson-Promident handpiece control system is a high quality intricate instrument. Incorrect maintenance and care can shorten the life of this product.

External Cleaning
Disconnect handpiece or motor from hose and clean the external surface of the unit and tubing thoroughly using soap, alcohol or a mild disinfectant. DO NOT USE ABRASIVE CLEANERS OR BRUSHES AND DO NOT IMMERSE UNIT UNDER WATER. Wipe dry with a clean cloth.

CAUTION

Follow all handpiece manufacturer guidelines regarding proper and safe air pressure to operate motors and handpieces. Failure to follow the guidelines can cause damage to the handpiece and create a dangerous situation for both the patient and user.

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