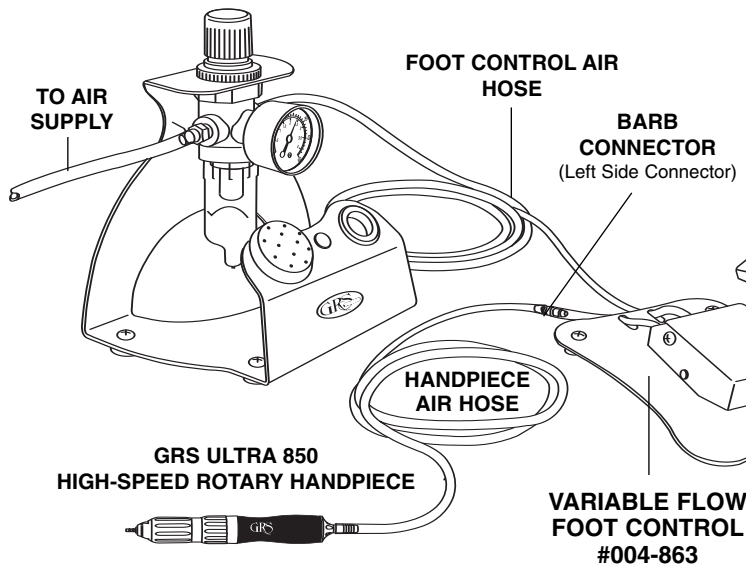
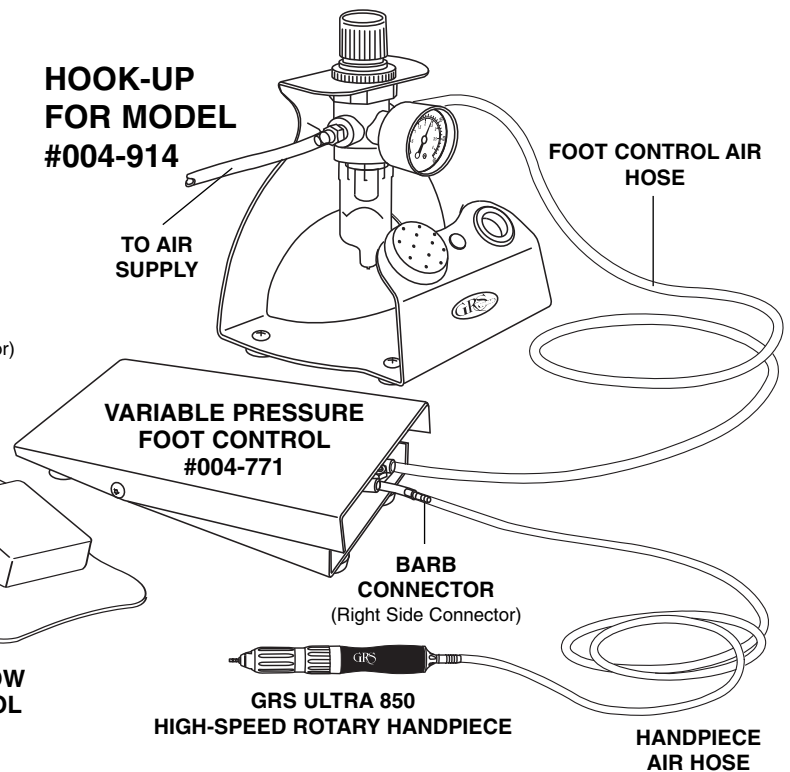


## HOOK-UP FOR MODEL #004-861



## HOOK-UP FOR MODEL #004-914



## Hook-Up

The Ultra 850 Rotary System consists of three main parts: (1.) the GRS Ultra 850 High-Speed Rotary Handpiece; (2.) the GRS Variable Flow Foot Control #004-863 that comes with system #004-861 **—OR—** the GRS Variable Pressure Foot Control #004-771 that comes with system #004-914; and (3.) the Air Filter/Regulator and Stand.

### 1. HANDPIECE

Locate these items in the plastic box that the 850 handpiece is in: 850 Rotary Handpiece, Air Hose, Clamp Ring and HANDPIECE INSTRUCTIONS. (You will find the instructions inserted into the lid of the plastic box.)

**IMPORTANT:** Do not operate a rotary handpiece until you are thoroughly familiar with proper operating procedure. READ THE INSTRUCTIONS THAT COME WITH THE ROTARY HANDPIECE CAREFULLY.

Attach the air hose to the handpiece as shown in the instructions that come with the handpiece. Then attach the other end of the air hose to the **short hose with the barb connector** located on the foot control.

- On the Variable Flow Foot Control this short hose is located on the left side.
- On the Variable Pressure Foot Control this short hose is located on the right side.

### 2. VARIABLE FLOW FOOT CONTROL for Model #004-861

Connect the long hose (which should already be attached on the right side of foot control) to the “outlet” port (right side) on the air filter/regulator.

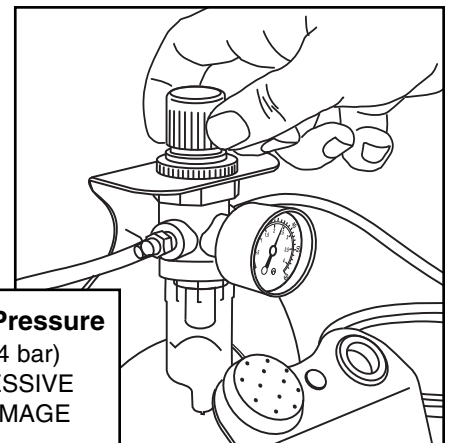
### VARIABLE PRESSURE FOOT CONTROL for Model #004-914

Connect the long hose to the left side of the foot control then to the “outlet” port (right side) on the air filter/regulator.

## 3 AIR FILTER / REGULATOR

Attach your air supply to the inlet of the Air Filter / Regulator. Unit requires minimum compressed air capacity of 1.34 CFM (38  $\ell$ /min) at 30-35 psi (2.1-2.4 bar). Air source supply to be equipped with a filter to deliver clean, dry air to the regulator. Install a filter at the compressor or in the air line in such a location that it can be checked and purged of accumulated liquids as frequently as necessary. We recommend a filter with a bowl capacity of 1/2 pint (.47mL) or larger. The filter regulator on the unit itself is designed as a final filter, and is not intended to, or capable of, removing large amounts of water, etc. It should be checked and purged daily, and more frequently during high humidity atmospheric conditions.

After you have connected everything and read the 850 Handpiece instructions, you are ready to turn on your air supply. Check for any air leaks and correct if needed. Adjust the air pressure on the regulator by lifting the knob and turning left or right (see Fig. at right) Refer to 850 handpiece instructions for correct pressure setting. You are ready to test the handpiece.



### Recommended Air Pressure

30 - 35 psi (2.1-2.4 bar)  
DO NOT USE EXCESSIVE PRESSURE OR DAMAGE CAN OCCUR

**AIR PRESSURE  
REGULATOR KNOB**

**AIR PRESSURE GAUGE**

**Recommended Air Pressure**  
30 - 35 psi (2.1-2.4 bar)  
DO NOT USE EXCESSIVE  
PRESSURE OR DAMAGE  
CAN OCCUR

**HOLES TO  
ATTACH UNIT  
TO WALL**

**HANDPIECE  
SEAT RING**

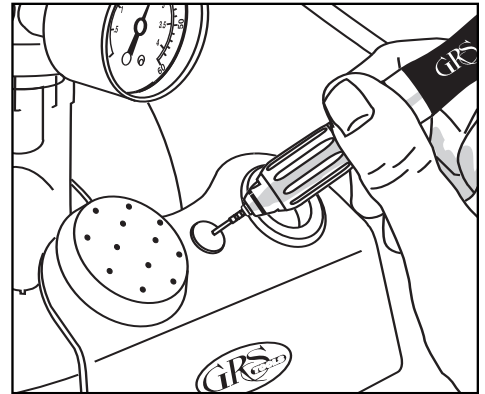
**AIR FILTER**

**HOLES TO  
SECURE UNIT  
TO TABLE TOP**

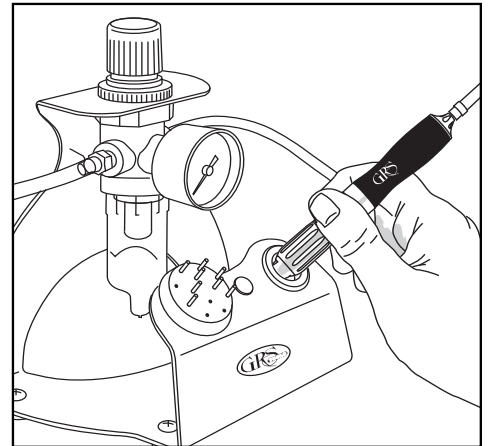
**BUR  
HOLDER  
(REMOVABLE)  
CAN BE  
PLACED ON  
EITHER SIDE  
OF UNIT**

**BUR PAD  
SEE  
ILLUSTRATION  
ABOVE RIGHT**

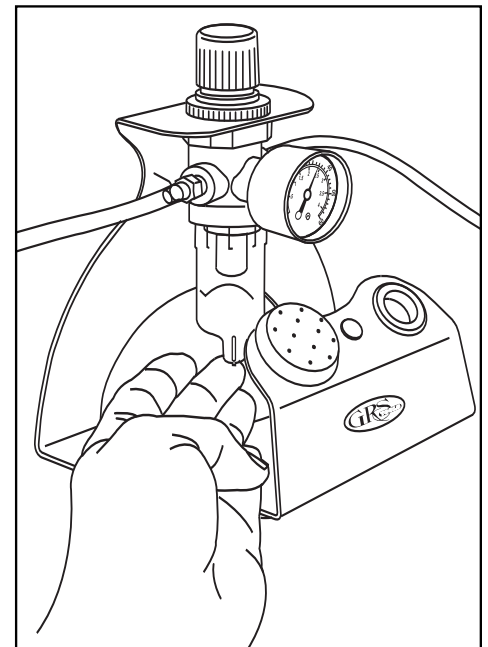
NOTE: IF YOU LEAVE THE  
RUBBER FEET ON, DO NOT  
OVERTIGHTEN SCREWS.



**BUR PAD - USED TO PUSH-IN BURS**



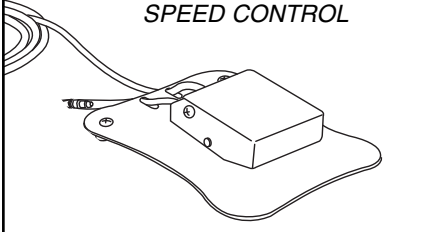
**UNIT HOLDS HANDPIECE FOR  
QUICK ACCESS**



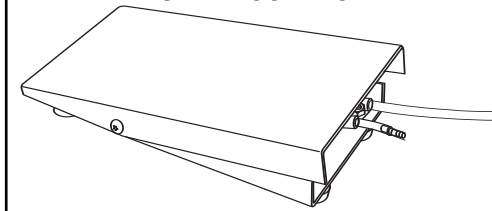
**REMOVE MOISTURE FROM FILTER  
BOWL BY PRESSING BUTTON ON  
BOTTOM OF BOWL. HAVE AIR  
PRESSURE TO UNIT ON.**

**FOOT CONTROLS AVAILABLE FOR THE 850 SYSTEM**

**VARIABLE FLOW FOOT CONTROL**  
#004-863 • ON / OFF WITH SOME  
SPEED CONTROL



**VARIABLE PRESSURE FOOT CONTROL**  
#004-914 • ON / OFF WITH MORE  
SPEED CONTROL



900 Overlander Road  
Emporia, KS 66801 USA

Toll Free: 1-800-835-3519  
Fax: 620-343-9640  
Tel: 620-343-1084  
e-mail: GRS@GrsTools.com



**IMPORTANT:**

Do not operate a rotary  
handpiece until you are  
thoroughly familiar with proper  
operating procedure. READ THE  
INSTRUCTIONS THAT COME  
WITH THE ROTARY  
HANDPIECE CAREFULLY.