www.adsdental.com

Installation Manual of Cabinet mount rear left/right swing delivery system

P/N: 8500966 Version：D Date：2024-10-08

Copyrights

ADS makes no warranty of any kind with regard to this material , including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. ADS shall not be held liable for any errors contained herein or any consequential or other damages concerning furnishing, performance or use of this material. The information in this document is subject to change without notice . If you find any problems in the documentation, please report them to us in writing. ADS does not warrant that this document is error-free.
No part of this document may be copied, reproduced, altered, or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without prior written permission from ADS.
The document is intended to be used in conjunction with the equipment.

Comments and feedback

Please contact us if you have any feedback and opinions on this document：
Add: 1590 S Milliken Ave., unit A, Ontario, CA 91761
Tel: (626) 620 0456
E-mail : sales@adsequip.com
http://www.adsequip.com/

Product service

If you want to get service information, please contact the local dealer authorized by ADS company.
Technical suopport tel：800 488 9708

C O N T E N T S

1 Compositions……5

2 Sizes……8

3 Installation……8

4 Operations……9

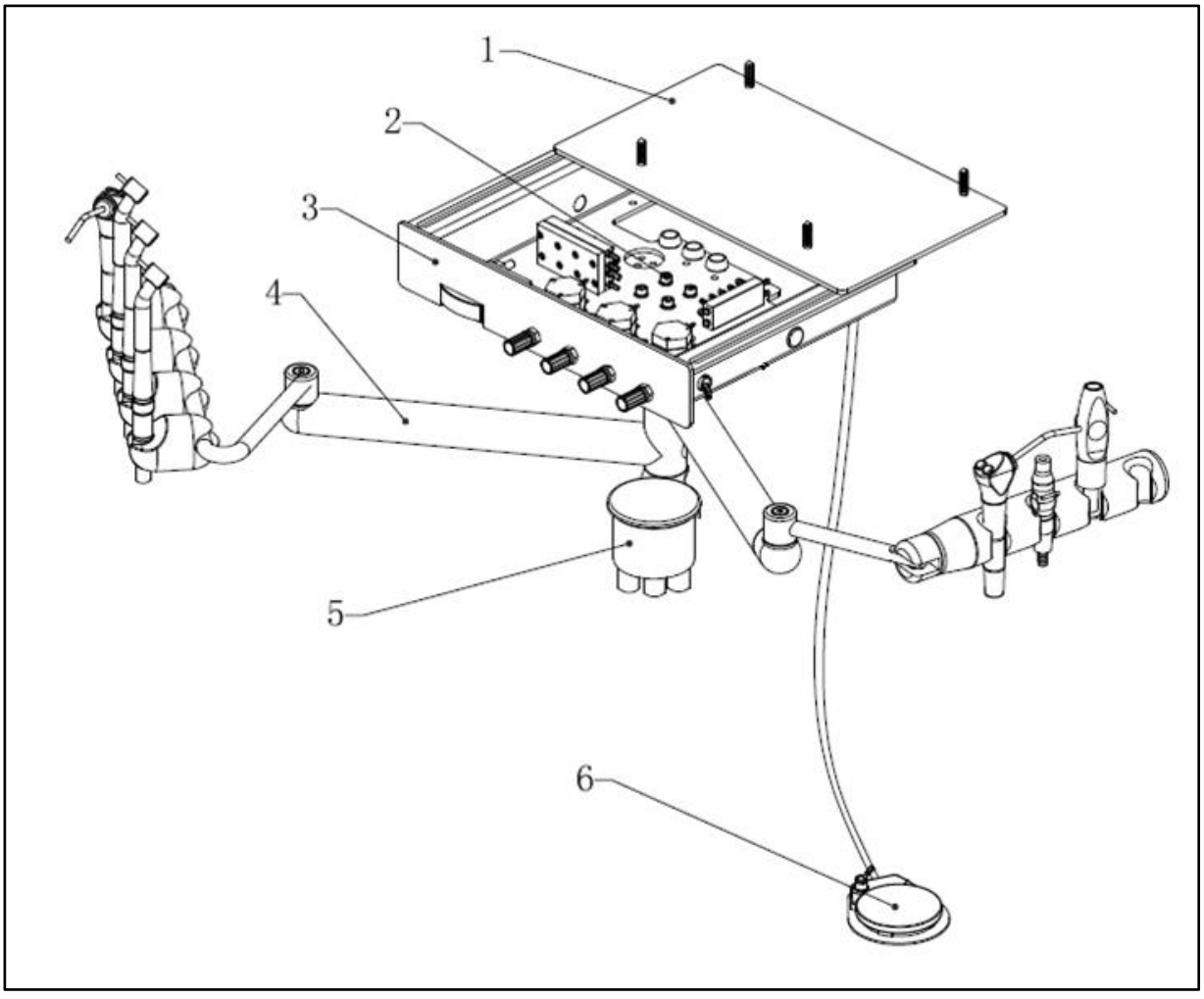
4.1 Functions introduction……10

4.2 Foot control……11

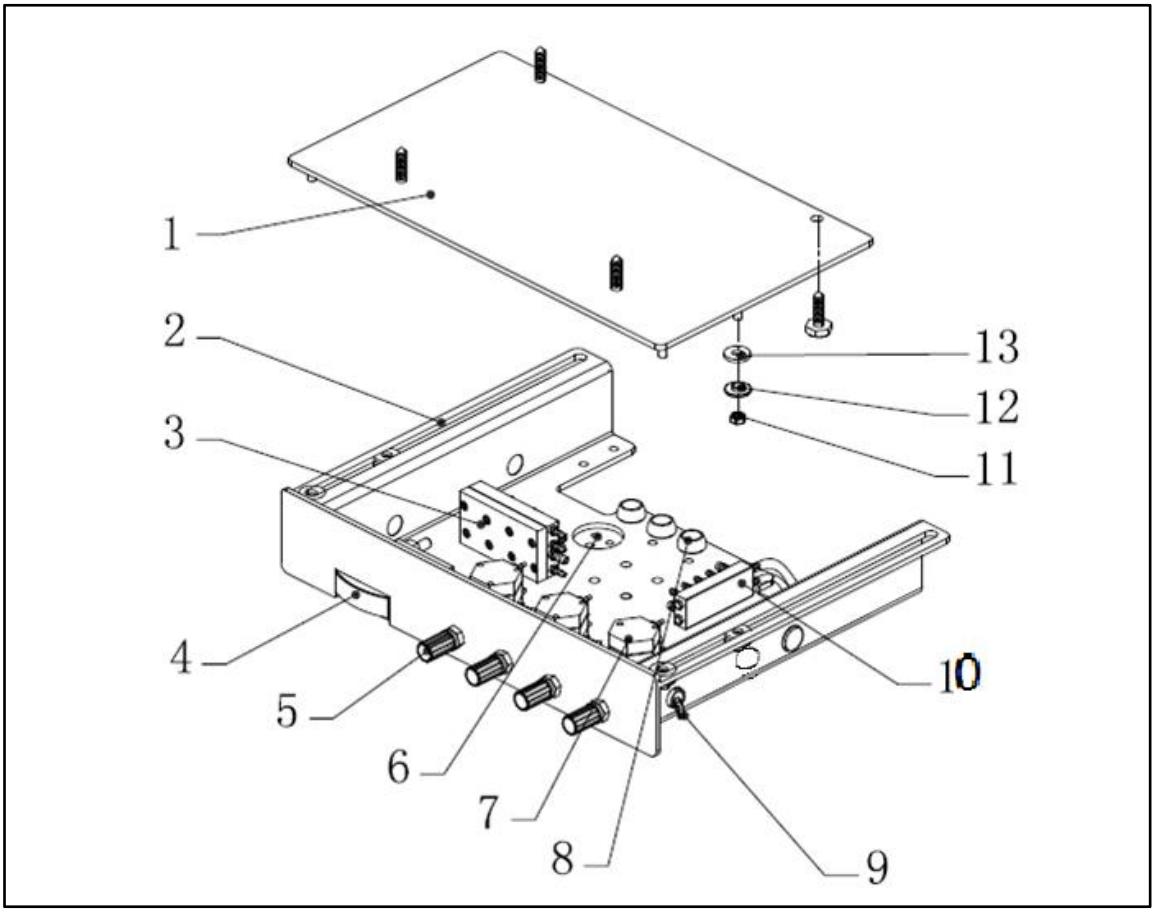
5 Maintain 3-ways syringe……12

6 Water diagrams……14

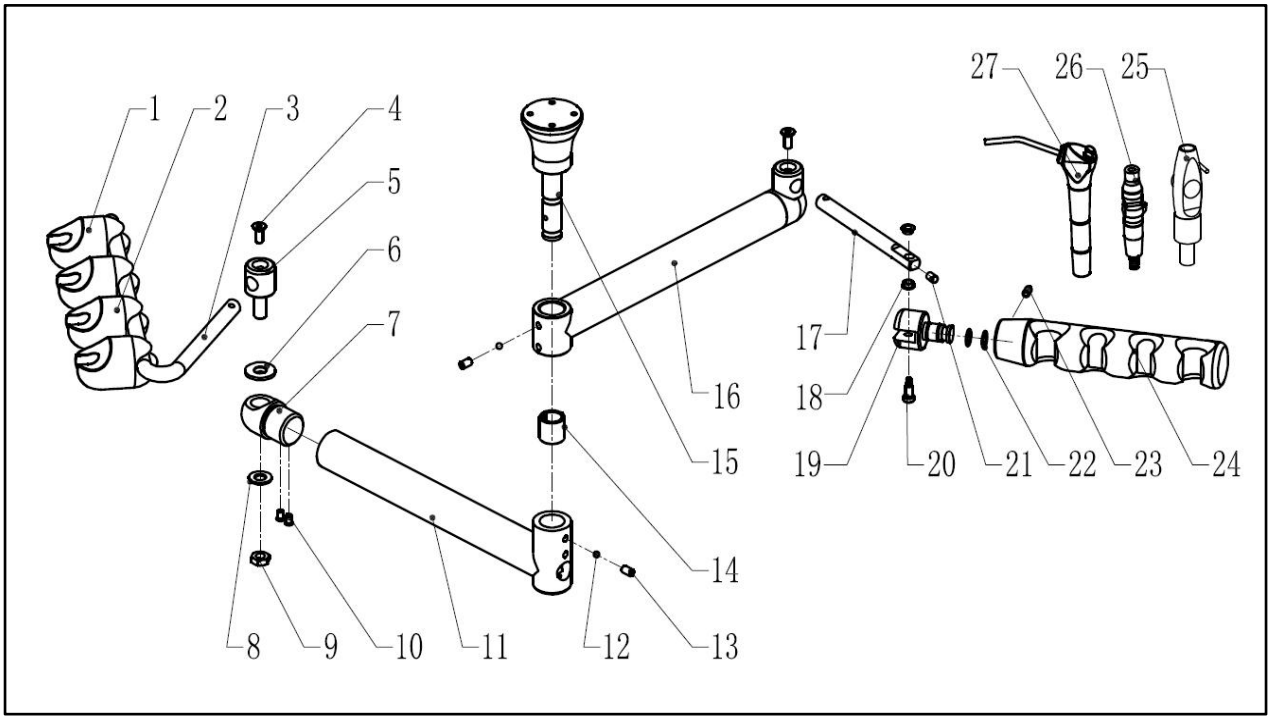
1. Compositions



1	Slide mount top plate	4	Swing duo arm assembly
2	5*16 Hex cap screw assembly	5	Vacuum canister kit
3	Rear delivery head assembly	6	Foot control

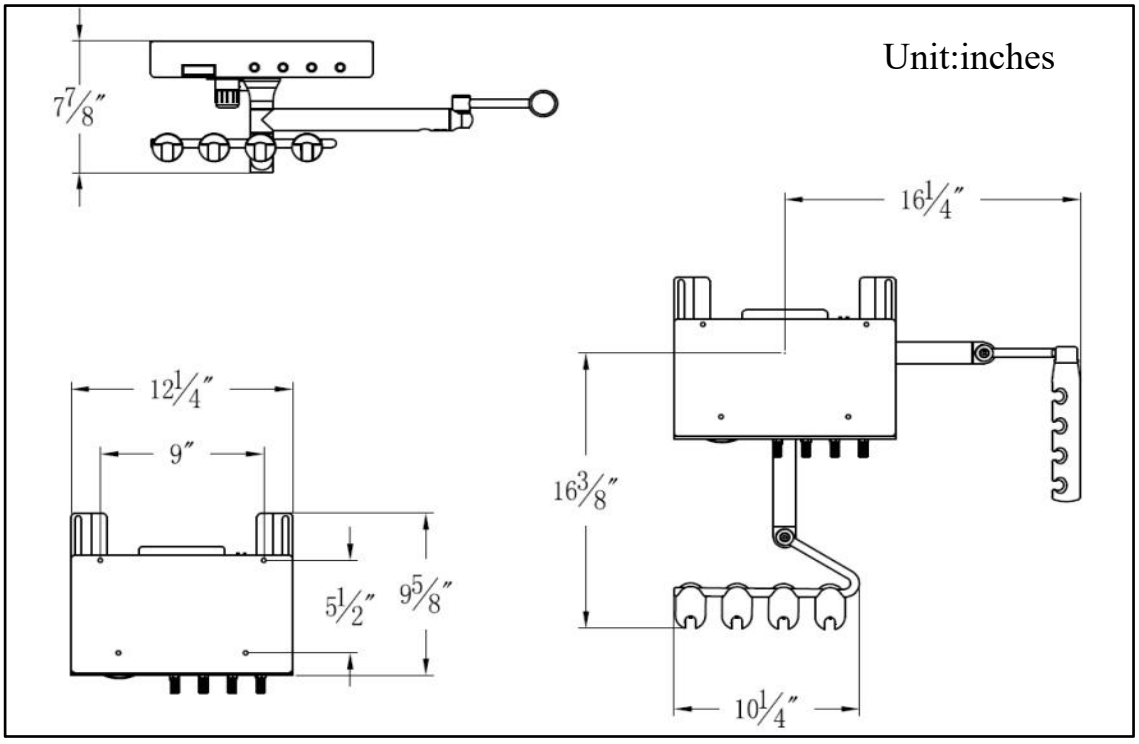


1	Slide mount top plate	8	H.P hose holes
2	Chassi	9	3-Way toggle valve
3	Control block	10	Manifold block
4	Air pressure gauge	11	M5 Locking nut
5	Needle flow valves	12	Flange washer
6	Dirty collector	13	Delrin spacer
7	Water controlled valve		

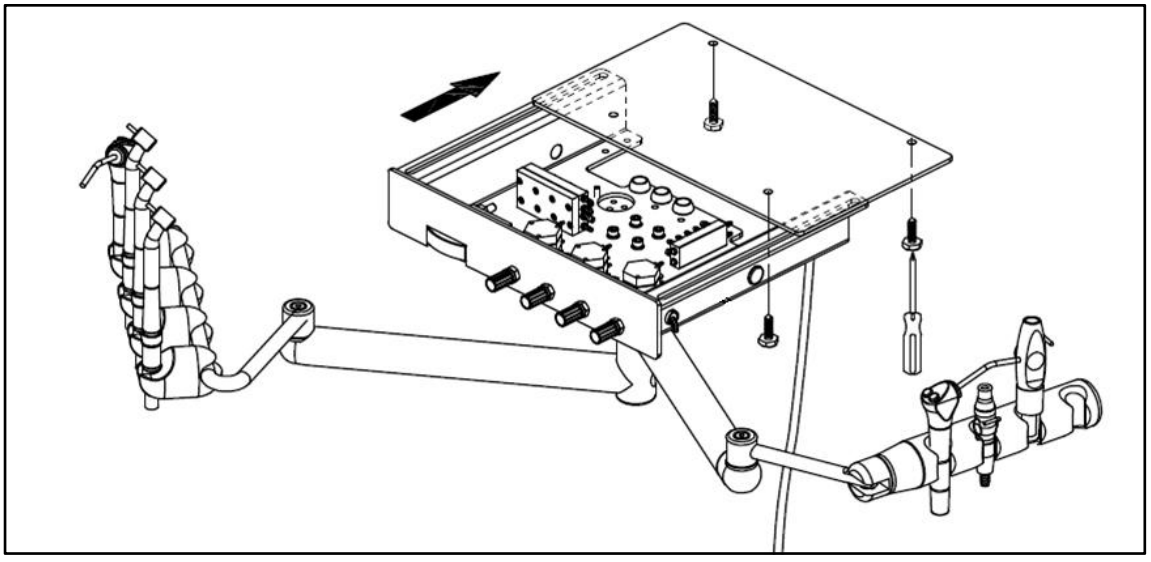


1	Molded syringe holder	15	Swivel collar pivot pin
2	Molded autoholder	16	Swing arm assembly upper
3	DE-6 Bent holder bar	17	Short bar
4	M6*16 Hex countersunk screw	18	Sleeve
5	Holder bar shaft	19	Assistant holder shaft
6	Washer	20	Φ6*16*M5 Shoulder screw
7	Holder bar shaf mount	21	M*5 Hex set screw
8	Washer	22	Φ12*Φ1.5 Metric seal ring
9	M10 Locking nut	23	M6*10 Hex jackscrew
10	M5*12 Philip's countersunk screw	24	Assistant holder
11	Swing arm assembly lower	25	Metal HVE valve with rotor
12	Φ5 Ball bearing	26	Metal SE valve with rotor
13	M6*8 Hex set screw	27	3-Way syringe
14	Φ16 Sleeve		

2. Sizes

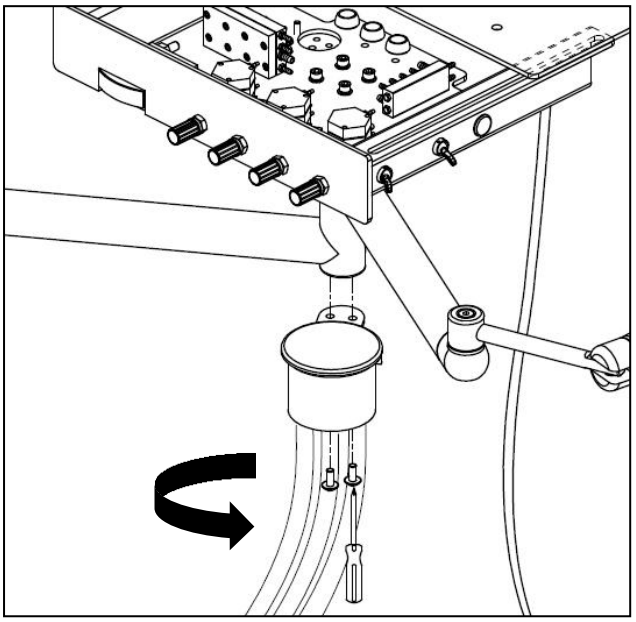


3. Installation



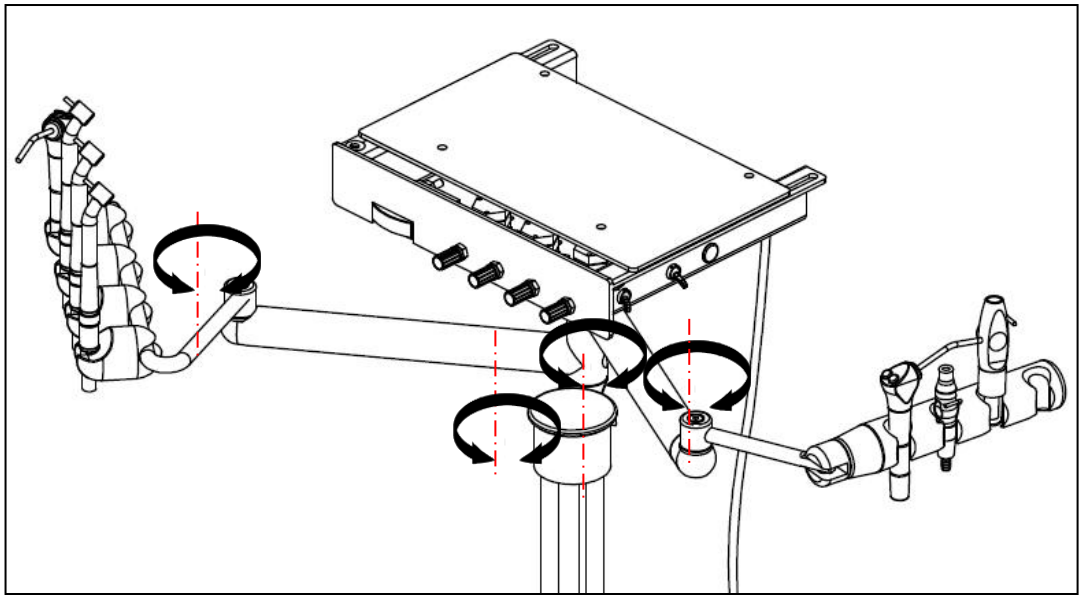
1. Slide and open the top plate, install the unit under the table, fix it with four M6*25 outer hex Philip's tap screws.

2. Install the vacuum canister to the lower part of the swing arm assembly, and fix it with two 5*12 outer hex Philip's screws

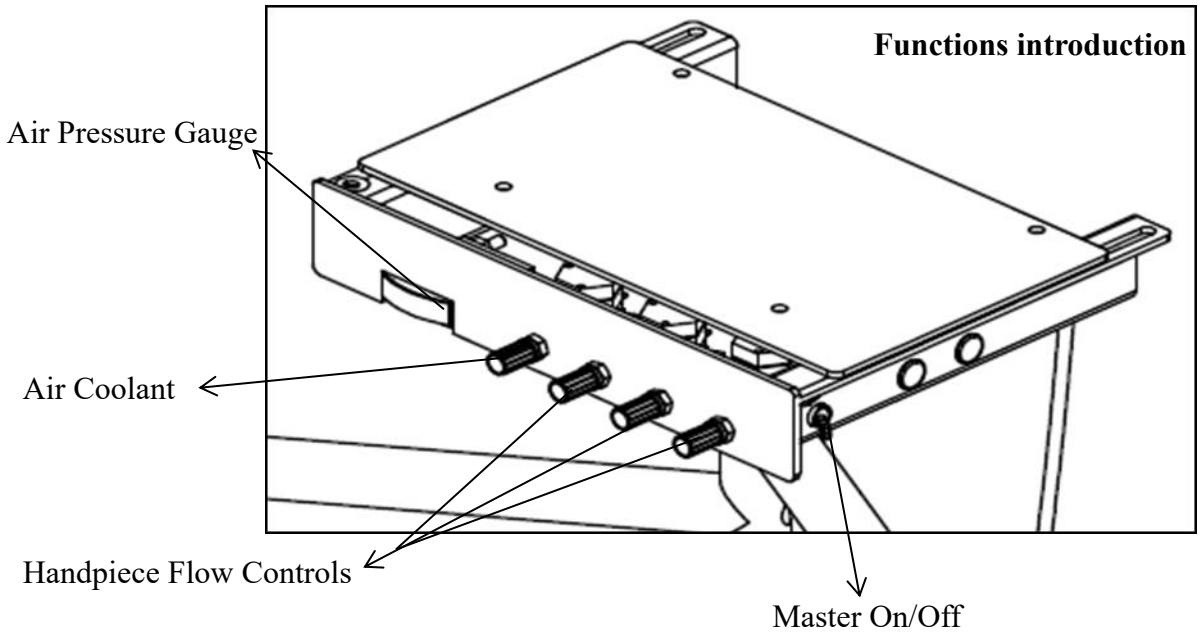


3. Connect the water/air strainer valve to the water/air supply.

4. Operations



The unit can swivel as the figure shown.



4.1 Functions introduction

Master On/Off: This toggle switch activater the air & water shut-off valves,which control the air and water supplies to the unit.

Air Coolant : This master control valve adjusts the amount of air coolant flow to all of the handpieces. Rotate in counterclockwise to increase flow, clockwise to decrease flow.

Handpiece Flow Controls: These individual control valves adjust the amount of water coolant supplied to its corresponding handpiese.Rotate the control valve counterclockwise to increases water coolant, clockwise to decreases water coolant.

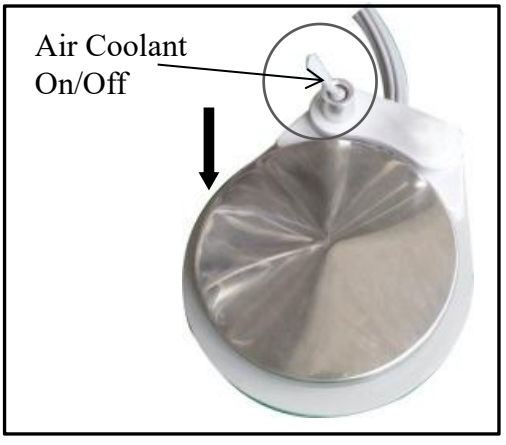
CAUTION: Only water bottles supplied by the manufacturer can be used .Do not use soft drink bottles which are thin walled and may rupture when under pressure.

CAUTION: Avoid operating the handpieses for extended periods longer than is required to check gauge pressure.Extended operation without load can damage the handpiece.Do not operate the handpiece without a burr in the chuck.

WARNING: Connect the polishing handpiece ONLY to the dedicated handpiece tubing (non-standard feature). Any damage caused by connecting to other handpiece tubing, such as valve clogging, is not covered under the warranty. For details of dedicated polishing handpiece tubing, contact dealers or the manufacturer.

4.2 Foot control

Delivery system is equipped with wet-dry, variable speed, disc type foot controls. Foot pressure on any part of the disc controls the flow of air to the active handpiece.



Water Coolant On/Off: This toggle interrupts the flow of water coolant to the handpieces when performing a procedure that requires dry cutting.

5 Maintain 3-ways syringe

To ensure the proper functioning and longevity of the 3-ways syringe, regular maintenance is necessary.

Maintenance Frequency: at least once a month.

Daily Usage Precautions:

- Before each use, perform a preliminary operation check away from the patient's mouth. If you notice any looseness, vibration, air leaks, or water leaks, stop using the device immediately and have it serviced by a professional from your dealer.
- Do not clean the tip or other components of the syringe with hydrogen peroxide or disinfectants, as this can cause corrosion of the parts.
- If air, water, or spray functions malfunction, stop using the device immediately and contact your dealer.

Warning！

- Do not use a deformed syringe tip! There is a risk of danger and damage to the product!
- Any form of dropping or impact can cause damage to the syringe. Avoid dropping or impacting the syringe!

Procedure

1. Turn off the air supply and water supply from the dental unit.
2. Use an M4 hex wrench to uninstall the tip locking retainer.
3. Remove remaining components, such as the O-ring and spring, in sequence.



Figure 1 Angled Syringe Tip Locking Retainer Uninstallation



Figure 2 Straight Syringe Tip Locking Retainer Uninstallation

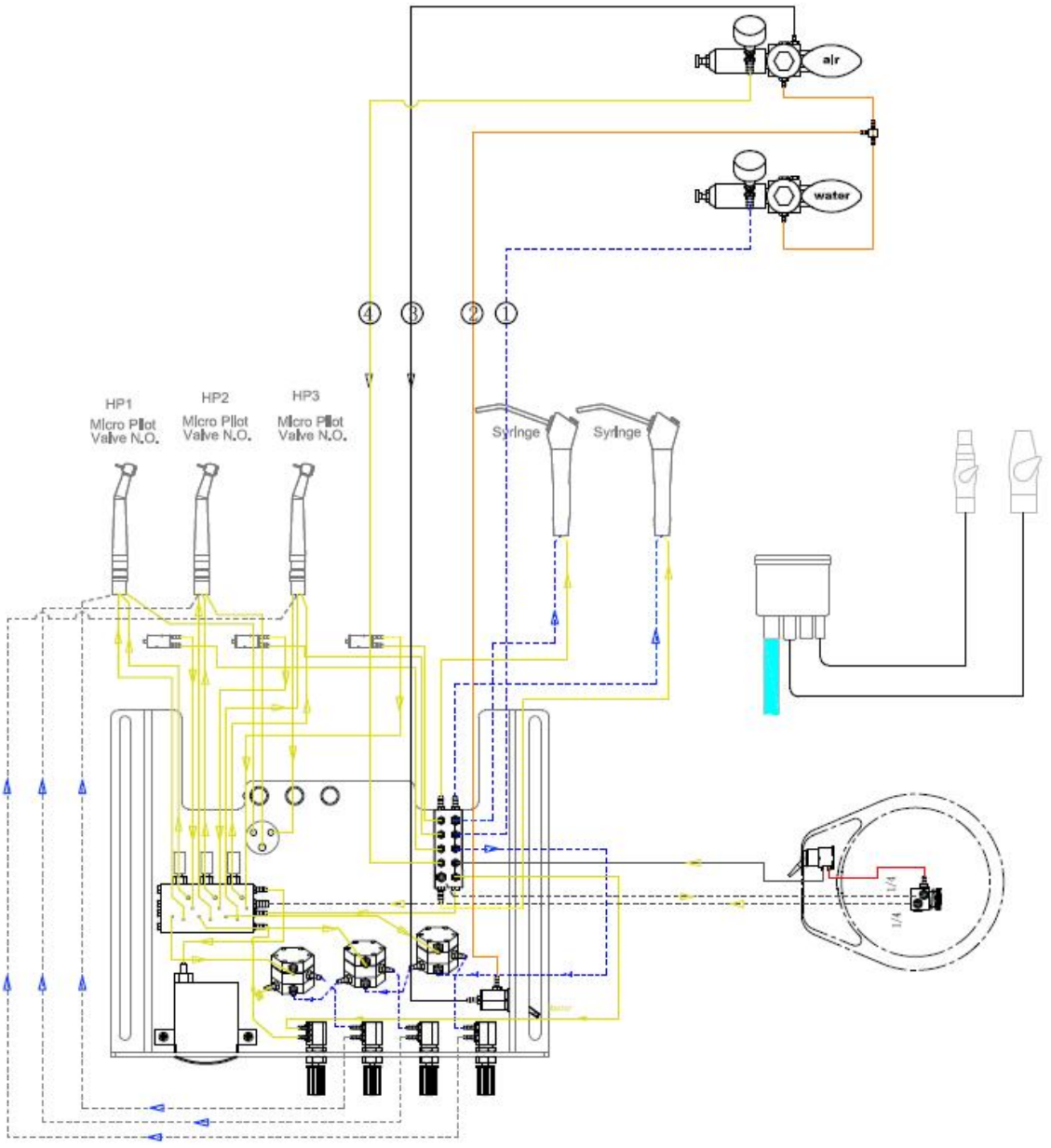
4. Push out the button retention pin. Figure 3 shows an example on the angled syringe.
5. Remove buttons and other components, such as the O-ring and spring, in sequence.



Figure 3 Syringe Button Uninstallation

6. Rinse the syringe components with purified water, which is to prevent blockages in the tubing, connectors, and seals.
7. Reinstall the components in reverse order.

6. Water diagrams



①Blue (1/8") water tube
②Yellow (1/8") main air supply tube
③Orange (1/8") the total switch back air path
④Black (1/8") the total switch supply air path
⑤Red (1/8") state valve
⑥Black (1/4") pedal drive air

We reserve the right to make any alteration which may be due to technical improvements.





ADS Dental System Inc.

Add: 1590 S Milliken Ave., unit A, Ontario, CA 91761
Tel: (626) 620 0456
E-mail: ads@adsdental.com
www.adsdental.com