DeVILBISS
A CARLISLE BRAND

HD-QCH : Quick Cleaner Head
HD-QCH-DX : Quick Cleaner Head and DX70 Diaphragm Pump Unit
Operator's Manual

Clean equipment extremely efficiently with less solvent

Quick Cleaner Head provides a means of cleaning the inside of material hose, fluid passageways of spray guns, and other paint equipment.
It is designed to mix solvents and compressed air to pressure flush paint lines and passages quickly and thoroughly, eliminating color contamination and saving time.

※ For HD-QCH-DX Quick Cleaner Head and DX70 Diaphragm pump customer, read DX70 Diaphragm Pump service manual as well.

HD-QCH

HD-QCH-DX

Important

1. Read and follow all instructions and SATETY PRECAUTIONS before using this equipment.
2. Retain for future reference.
3. The specification are subject to change without notice due to improvement of functional and safety.

Part Number

HD-QCH	Quick Cleaner Head
HD-QCH-DX	Quick Cleaner Head and DX70 Diaphragm Pump Unit

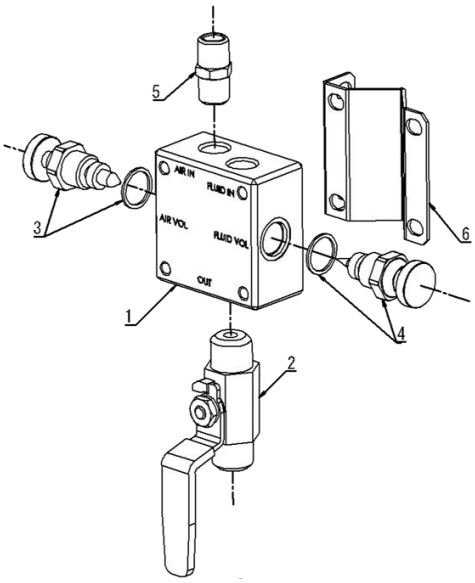
Specifications

Maximum Working Pressure(Air)：	0.69MPa
Maximum Working Pressure(Fluid)：	0.69MPa

Parts List

Ref. No.	Part Number	Description	Qty
1	-----	Quick Cleaner head	1
2	SSBV-6B-6TB-316	Ball Valve G3/8	1
3	HD-101	Air adjustment valve	1
4	HD-102	Fluid adjustment valve	1
5	Purchase locally	Check Valve R1/4	1
6	-----	Multi Bracket	1
-	Purchase locally	Bolt M6	4
-	Purchase locally	Nut M6	2

※ Multi brackets, bolts and Nuts are included.



Operating and Safety Precautions

Read, understand and follow this information to avoid injury and property damage.

■ Fire and Explosion

1. Do not place any unnecessary combustibles such as coating materials and solvents in the spray area.
2. No-smoking at painting area. It can cause a hazardous condition and result in fire of explosion.
3. Operators and objects in the spray area must be grounded securely. Grounding condition must be checked at least before starting operation every day.
4. Keep a fire extinguisher at painting area.
5. Sufficiently ventilate the spray area so that combustible solvent vapor does not stay.
6. Spray booth ventilation must be kept at the rates required by country and local codes.

■ Personal protective Equipment

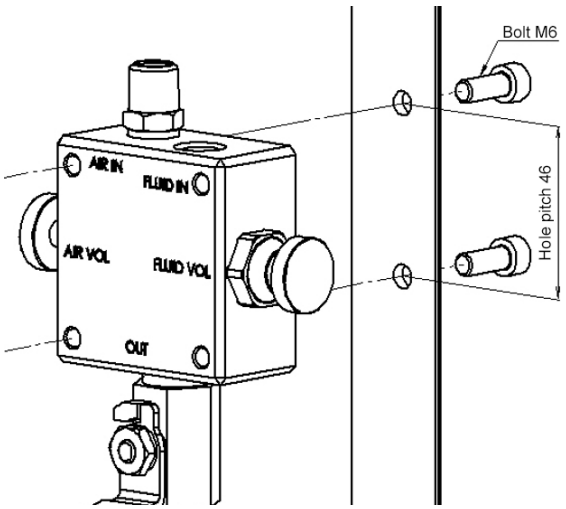
1. Toxic vapors - When sprayed, certain materials may be poisonous, create irritation or be otherwise harmful to health. The use of respiratory protective equipment is recommended at all times.
2. Wear safety glasses. Failure to wear safety classes with side shields could result in serious eye injury or blindness.
3. Hazardous fluid or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, injected or swallowed. Learn and know the specific hazards or the fluids you are using. Appropriate clothes and gloves must be worn for spraying or cleaning the equipment.

■ Equipment Misuse

1. Operator training. All personnel must be trained before operating finishing equipment.
2. Never aim a spray gun at any parts of the body.
3. Don't clean suction or gravity feed spray gun with HD-QCH.
4. Connect the air hose firmly using a spanner to prevent leaking. A loose air hose may cause it to come off, resulting in damage to personnel, workpiece and peripheral equipment.
5. Replacing spring-loaded and compressed air contained parts may result in safety hazards to personnel.
6. Always use under this maximum pressure (0.69MPa).

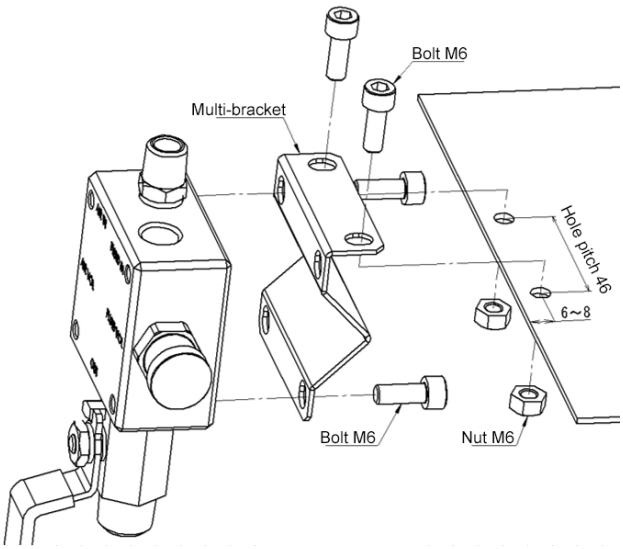
Installation

1. This equipment must to be fixed at stable place otherwise it could cause serious inquiry.



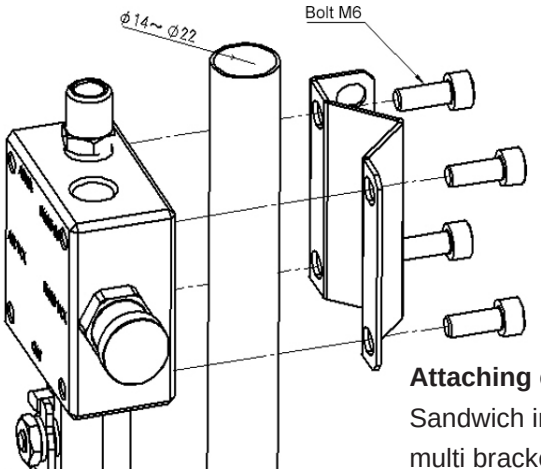
Attaching example 1 :

Make two or more holes of between φ6.2 to 6.5 such as in the frame of the mount pad, then thread bolts into the screw holes on the device to tighten it.



Attaching example 2 :

Make two holes of between φ 6.2 to 6.5 on the top plate of the mount, attach the multi bracket to the device, and then tighten the top plate and the multi bracket with bolts and nuts.



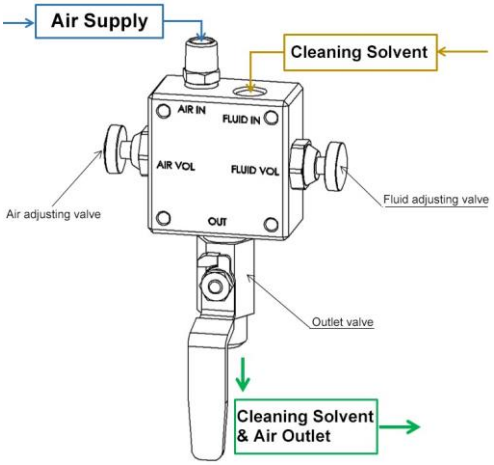
Attaching example 3 :

Sandwich in the round pipe of the mount between the device and the multi bracket, and tighten them with four bolts in a well- balanced way.

2. Clean, moisture and oil free air supply is needed. Install mist separator or transformer at closer place as much as you can. Contaminated air may lead to problems with coating or coating equipment including this device.
3. Use cleaning solvent or water (hereinafter referred to as "cleaning solutions") to be supplied to this device. Running dirty cleaning solutions or paints may cause damage to this device or may result in poor cleaning.
4. Connect the cleaning solutions hose / air hose firmly. A loose hose may cause it to come off, resulting in damage to personnel, workpiece and peripheral equipment.
5. When installing the cleaning solutions hose / air hose, use sealing tape etc. and tighten with a tool. A loose hose may lead to problems with cleaning solution leaks or air leaks.
6. A check valve (R1 / 4, No. 5 on the parts list) is attached to the air supply side of this device. The cleaning solutions may flow back to the air circuit, causing peripheral equipment failures or malfunctions if the check valve is removed or still being used even after it has failed.
7. Operations can be made easily if you install ball valves or regulators on the air supply side and cleaning solutions supply side.

Operation

1. Do not run paints / dirty cleaning solutions for this device.
2. If the difference of supply pressure between the cleaning solutions and the air is large, mixing will be difficult, so adjust the pressure to the same level in advance.
3. Fully turn the fluid adjustment valve and air adjustment valve knob to the right to close it. *It does not stop completely.
4. Open the "outlet valve" and supply the cleaning solutions first and air in order.
5. How to adjust the cleaning solutions flow rate and air flow rate.
   a For both knobs, turn clockwise to decrease the flow rate or turn counterclockwise to increase the flow rate.
   b First, turn the fluid adjustment valve knob to adjust the flow rate of the cleaning solutions.
   c Next, turn the air adjustment valve knob to mix the air with the cleaning solutions.
   d Adjust the flow rates of cleaning solutions and the air till the efficient cleaning can be made possible.
6. Shut off the supply of air first and then the cleaning solutions in order after the cleaning process is finished, close the outlet valve.
7. The settings for the fluid adjustment valve and air adjustment valve can be used as they are from the next time if the supply is controlled by a ball valve or a regulator. * Please configure again if the supply pressure has changed.



Operation

1. Perform daily cleaning to ensure the best usability and performance of this device.
2. Never completely immerse in any cleaning solutions as this is detrimental to the lubricants and life of the spray gun. Immersing this device in liquid may deteriorate the seal, resulting in cleaning solutions leaks or air leaks.

Parts Replacement

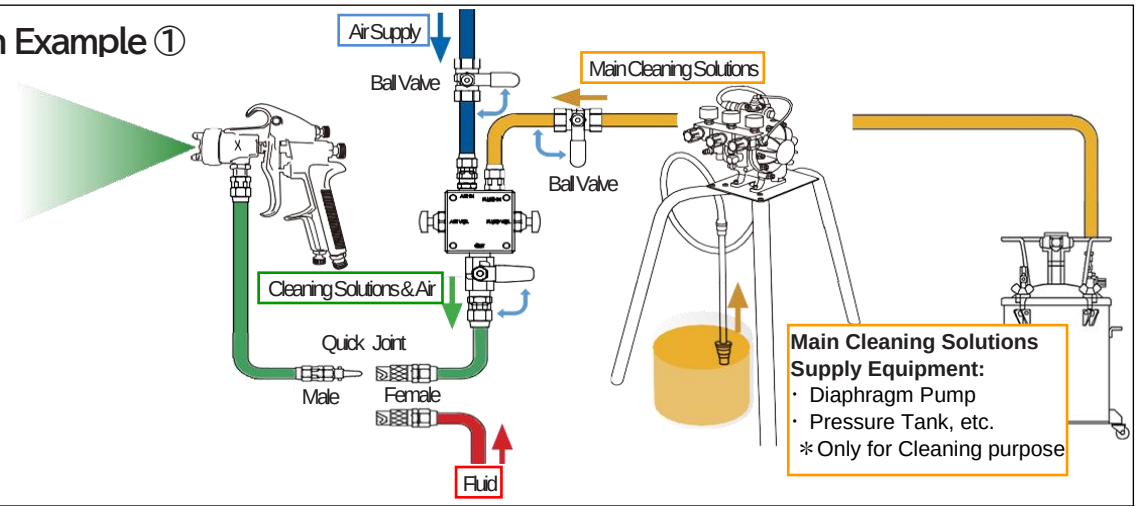
Before replacing parts, drain the cleaning solutions and dry first, then remove all hoses.
Please perform this task in a flat and clean place. Wear safety glasses and use appropriate tools as specified.

- **Air adjustment valve (3) and fluid adjustment valve (4) replacement**
  1. Reasons to service valves : Cleaning solutions leakage, air leakage, not managing air and cleaning solutions.
  2. Using 19mm wrench.

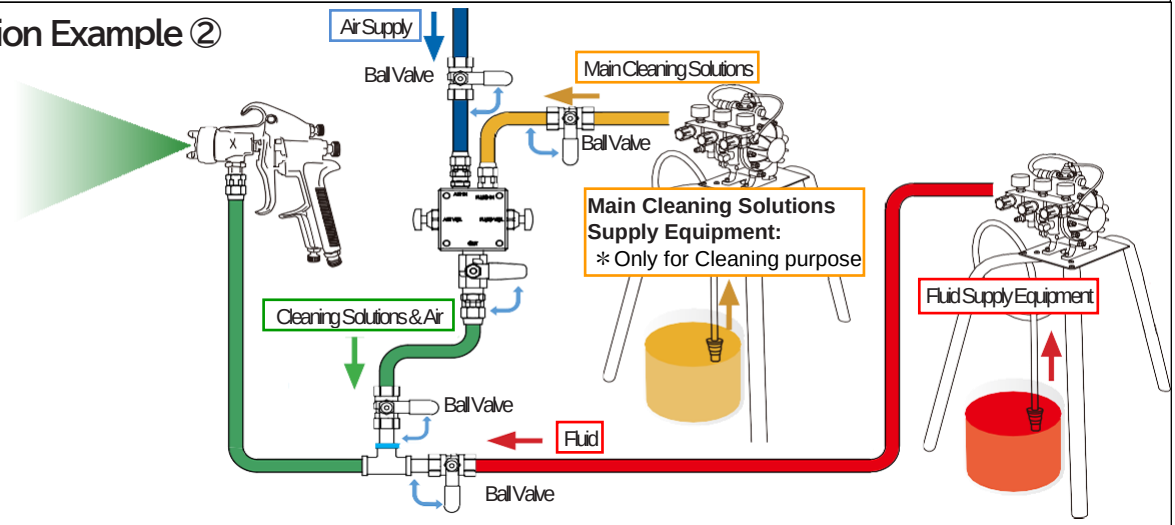
- **Check Valve R1/4(5) replacement**
  1. Using 14mm wrench.
  2. Remove the sealing tape left in the screw holes on the device, and wrap new sealing tapes on the parts replaced.

- **Ball valve G3/8(2) replacement**
  1. Using 7/8in wrench.
  2. Remove the sealing tape left in the screw holes on the device, and wrap new sealing tapes on the parts replaced.

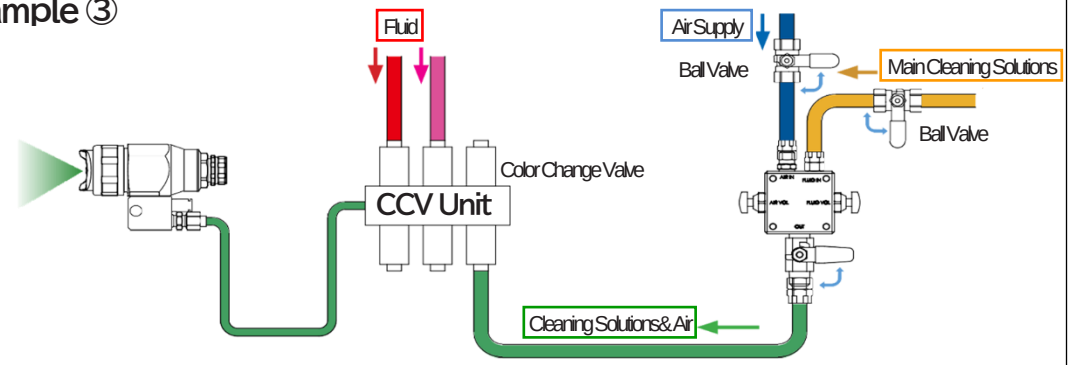
Connection Example ①



Connection Example ②



Connection Example ③



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