



FC5A101 Installation and Maintenance

MASTER PNEUMATIC - DETROIT, INC.

6701 -18 Mile Rd. | Sterling Heights, MI 48314 | Phone: (586) 254-1000 | Fax: (586) 254-6055 | Email: mp@masterpneumatic.com

PRODUCT NUMBERS:

FC5A101-2, FC6A101-2
FC5A101-3, FC6A101-3
FC5A101-4, FC6A101-4

THANK YOU!

You have just purchased a quality Coalescent Filter from Master Pneumatic.

With care in its installation and maintenance, you can expect it to have a long and economical service life. Before you go any further, please take a few minutes to look over this information, then save it for future reference and for the useful service information it contains.

Installation & Operation Procedures

NOTE: Read Warning Stuffer STU-A019 included in box with product before proceeding.

INSTALLATION:

1. Depressurize and lockout air pressure.
2. Upstream pipes must be free of excessive dirt and liquids.
3. A conventional M/P Filter with standard 5 micron filter element should be installed immediately ahead of Coalescing Filters to maximize the life of the coalescing element.
4. Install the Coalescent Filter as near as possible to the device it is to serve.
5. Install the Coalescent Filter so that air flows in direction of arrow on the head.
6. The Coalescent Filter must be installed vertically with drain mechanism at the bottom.
7. Coalescent Filters should be installed upstream of any Regulators or Lubricators in the airline.
8. If installing using modular clamp connection KA30-04, torque screws 15-20 in-lbs.

OPERATION:

1. Filter may be drained manually by turning Drain Knob clockwise until bowl drains. Return to full counter-clockwise position for automatic drain position. To install 3/16 flexible tubing, push Drain Knob up to expose the Drain Clip. Remove the Drain Clip and Drain Knob. Push tubing on Stem. A tube clamp should be used to retain tubing on drain stem.
2. Replace Plastic Bowls with Metal if any signs of crazing or cracking is observed.
3. Replace Coalescent Element when the pressure differential reaches 8 to 10 psid (0.55 to 0.69 bar).

TO CLEAN OR REPAIR:

1. Depressurize and lockout air pressure.
2. Remove Bowl Ring and Bowl Assembly by turning counter-clockwise.
3. Remove Coalescent Element Assembly by turning counter-clockwise. Do NOT clean elements, they must be replaced.
4. To service Float Drain, turn Drain Knob counter-clockwise until it stops. Then push Drain Knob up to expose Drain Clip. Remove Drain Clip and pull off Drain Knob.
5. Remove Drain Nut by turning counter-clockwise. The Float Drain can now be removed from Bowl and disassembled.
6. The Float Drain and Bowl can now be cleaned. (*For instructions to repair Float Drain see STU-A027.*)
7. When re-assembling, be sure all o-rings are correctly located. Lubricate o-rings with Lithium grease. Torque Coalescent Element Assembly hand tight. Torque Bowl Ring hand tight.
8. If the Coalescent Filter cannot be repaired by cleaning with soap and water, the parts should be replaced.

Replacement Parts

DESCRIPTION	PART NUMBER
Float Drain Plastic Bowl Assembly	A5AK103-6M
Float Drain Metal Bowl Assembly	ABFC5A103-117
Metal Float Drain Metal Bowl Assembly	ABFC6A103-117
Float Drain Kit	A802-42
Metal Stem Float Drain Kit	A802-49
Differential Pressure Gauge	103-151

DESCRIPTION	PART NUMBER
Element Kit - 0.3µm	A103-160S
Ext. Bowl Element Kit - 0.3µm	A103-160L
Element Kit - 0.01µm	A103-160SE8
Ext. Bowl Element Kit - 0.01µm	A103-160LE8



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Parts Listing

KEY	DESCRIPTION
1	Differential Pressure Gauge
2	Head
3	Upper Element Cap
4	O-Ring
5	Coalescent Element
6	O-Ring
7	Bowl Ring
8	Hex Cap Screw
9	Shatterguard
10	Plastic Bowl
11	Lower Element Cap
12	Float Drain
13	Drain Nut
14	Drain Knob
15	Drain Clip

