



FC380-E9 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

JM 01-22-03
Rev 10-01-08
(ECN 4472)

PRODUCT NUMBERS:

FC380-3E9
FC380-4E9
FC380-6E9

THANK YOU!

You have just purchased a quality Adsorber 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 Coalescent M/P Filter and conventional M/P Filter with standard 5 micron filter element should be installed immediately ahead of Adsorbing Filters to maximize the life of the element.
4. Install the Adsorber Filter as near as possible to the device it is to serve.
5. Install the Adsorber Filter so that air flows in the direction of the arrow on the head.
6. The Adsorber Filter must be installed vertically with drain mechanism at the bottom.
7. Adsorber Filters should be installed upstream of any Regulators or Lubricators in the airline.
8. If installing using modular clamp connections A118-105 or A118-105M, torque screws 30-40 in-lbs.

OPERATION:

1. For Manual Drain models: Periodically drain to discharge accumulated liquids by turning Drain Knob clockwise.
2. Replace Plastic Bowls with Metal if any signs of crazing or cracking is observed.
3. Replace Element every three months minimum.

TO CLEAN OR REPAIR:

1. Depressurize and lockout air pressure.
2. Remove Bowl Ring and Bowl Assembly by turning counter-clockwise.
3. Remove Bottom Cap by turning counter-clockwise.
4. The Element can now be removed. Do NOT clean elements, they must be replaced.
5. To service Manual 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.
6. Remove Drain Nut by turning counter-clockwise. The Manual Drain can now be removed from Bowl and disassembled.
7. The Manual Drain and Bowl can now be cleaned.
8. When re-assembling, be sure all o-rings are correctly located. Lubricate o-rings with Lithium grease. Torque Bottom Cap maximum 5 in-lbs. Torque Drain Nut 5-15 in-lbs. Torque Bowl Ring 30-50 in-lbs. When Bowl Ring is fully in place, there should be a gap between the Bowl Ring and Head of 0.020"-0.040". (See Sectional on next page.)
9. If the Adsorber Filter cannot be repaired by cleaning with soap and water, the parts should be replaced.

Replacement Parts

DESCRIPTION	PART NUMBER
Manual Plastic Bowl Assembly	AF115-109
Manual Metal Bowl Assembly	ABF115-116
Manual Drain Kit	A802-32

DESCRIPTION	PART NUMBER
Element Kit	A115-117E9
Extended Bowl Element Kit	A115-118E9



FC380-E9 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

JM 01-22-03

Rev 10-01-08

(ECN 4472)

Parts Listing

KEY	DESCRIPTION
1	Cap
2	Head
3	Stud
4	O-Ring
5	Upper Cap
6	Bowl Ring
7	Shatterguard
8	Plastic Bowl
9	Element
10	Bottom Cap
11	Manual Drain
12	Drain Nut
13	Drain Knob
14	Drain Clip

