



BF5A200 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:

BF5A200-6
BF5A200-8

THANK YOU!

You have just purchased a quality 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. Install the Filter as near as possible to the device it is to serve.
4. Install the Filter so that air flows from inlet to outlet as shown on the head.
5. The Filter must be installed vertically with drain mechanism at the bottom.
6. Filters should be installed upstream of any Regulators or Lubricators in the airline.

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 Element when dirty. If pressure differential reaches 8 psid, element MUST be replaced.

TO CLEAN OR REPAIR:

1. Depressurize and lockout air pressure.
2. Remove Bowl Ring and Bowl Assembly by turning counter-clockwise.
3. Remove Lower Baffle by turning counter-clockwise. Then remove Lower Baffle Seal and replace.
4. The Filter Element can now be removed. Do NOT clean elements, they must be replaced.
5. If needed, replace Upper Baffle Seal. To do so, remove Upper Baffle. Then remove Upper Baffle Seal and replace.
6. 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.
7. Remove Drain Nut by turning counter-clockwise. The Float Drain can now be removed from Bowl.
8. Both the Float Drain and Bowl can be cleaned. (*For instructions to repair Float Drain see STU-A027.*)
9. When re-assembling, be sure all o-rings are correctly located. Lubricate o-rings with Lithium grease. Torque Drain Nut 5-15 in-lbs. Torque Lower Baffle 50-75 in-lbs. Torque Bowl Ring hand tight.
10. If the Filter cannot be repaired by cleaning with soap and water, the parts should be replaced.

Replacement Parts

| DESCRIPTION | PART NUMBER |
|---------------------------------|--------------|
| Float Drain Metal Bowl Assembly | ABF5A114-126 |
| Float Drain Kit | A802-42 |

| DESCRIPTION | PART NUMBER |
|--------------------|-------------|
| Element Kit - 40µm | A114-106E3 |
| Element Kit - 5µm | A114-106E5 |



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Parts Listing

| KEY | DESCRIPTION |
|-----|-------------------|
| 1 | Head |
| 2 | Stud |
| 3 | Upper Baffle Seal |
| 4 | Bowl Ring |
| 5 | O-Ring |
| 6 | Upper Baffle |
| 7 | Filter Element |
| 8 | Metal Bowl |
| 9 | Lower Baffle Seal |
| 10 | Lower Baffle |
| 11 | Float Drain |
| 12 | Drain Nut |
| 13 | Drain Knob |
| 14 | Drain Clip |

