

Airmatic

OPTIMA-201 FILTER-REGULATOR COMBINATION

MODEL : FR 201 Polycarbonate Bowl (Relieving)
FR 201 Polycarbonate Bowl (Non Relieving)
FR 210 Metal Bowl (Relieving)
FR 210 Metal Bowl (Non-Relieving)

TEMPERATURE AND PRESSURE RATING

SIZES	MODEL	BOWL	MAX.	MAX.
			PRESSURE	TEMP.
G1/8 / G1/4	FR 201	Polycarbonate	12 Kg/cm ² (160 psig)	50 ^o C
	FR 210	Metal	18 Kg/cm ² (250 psig)	70 ^o C

WARNING : Never use these polycarbonate plastic bowls on air supplied by a compressor lubricated with synthetic oils or oils containing phosphate esters or chlorinated hydrocarbons. They can carry over into the air distribution system and chemically attack and possibly rupture the bowls. On these applications use a metal bowl. Also do not expose these polycarbonate plastic bowl to materials such as carbon tetrachloride, trichloroethylene, acetone, paint thinner cleaning fluids, or other harmful materials, for they too will craze and/or rupture the bowl. If materials harmful to polycarbonate are present either outside or inside the bowl, use a metal bowl.

INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS

INSTALLATION

Before installing, blow out pipe line to remove scale and other foreign matter. This unit has DRYSEAL pipe threads; use pipe compound or type sparingly to male threads only. Install item in pipe line so that air will flow in direction of arrow stamped on body, install as near as possible to equipment serviced. FR-combination must be installed with bowl in a vertical position.

REDUCED PRESSURE ADJUSTMENT

To adjust reduced pressure settings, pull the red locking upwards to unlock knob then turn knob clockwise to increase pressure setting and counter clockwise to lower pressure setting. With relieving-type combination, which are used for air service, the reduced pressure follows adjustment of the screw, with non-relieving combination adjustment for lower reduced pressure will not be obtained until the reduced pressure system is "bleed off" or until flow starts.

MAINTENANCE-CLEANING

REGULATOR

To clean it is not necessary to remove FR-combination from line. Refer to drawing as guide in reassembly. If the air supply is kept clean, the FR-combination should provide long periods of uninterrupted service. Erratic combination operation or loss of regulation is mostly always due to dirt in the disc area. To clean,

shut off and depressurize air line and disassemble the FR-combination. Refer to drawing as a guide to disassemble and subsequent reassembly. Clean parts with household soap water and blow out body with compressed air.

When reassembling, make sure the disc is firmly in place and insert diaphragm assy in to center hole of seat. Make sure the PTFE backup ring must be kept between diaphragm and bonnet, tighten bonnet slightly more than hand tight (to 45 inch pounds torque).

FILTER

To maintain maximum filtering efficiency and to avoid excessive pressure drop the filter must be kept clean.

Press drain valve to remove any bowl accumulation before it reaches level of lower baffle. A visible coating of dirt or condensate on filter element or excessive pressure drop indicates filter element cleaning is necessary.

To clean, depressurize air line and remove bowl. Follow drawing guide for disassembly and reassembly.

Wash Porous filter elements with kerosene or soap water. Blow out body with compressed air. **CLEAN BOWL ONLY WITH HOUSEHOLD SOAP WATER.**

SEE OTHER SIDE FOR REPLACEMENT PARTS LIST.

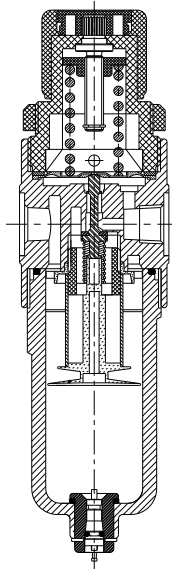
AIR PROCESSING PRODUCTS

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MODEL - FR 201 / FR 210 REPLACEMENT PARTS ORDER BY SIZE AND KIT NUMBER



CONSISTS OF PART NAME	KIT NAME	KIT No.
Filter Element	Element Kit	25 Micron F201-E25
		* 40 Micron F201-E40
Bowl with Drain Cock	Bowl Replacement Kit	* Plastic F201-BAP
		Metal F201-BAM
Diaphragm Assy. Seat with Rubber	Service Kit	* Relieving FR201-SKR
		Non-Relieving FR201-SKNR
Bowl 'O' Ring D/C Assy		
Adj. Knob PTFE Washers Adj. Knob Lock Ring Adj. Screw with circlip Adj. Tensioner Nut Bonnet	Bonnet Assy	R201-B
Diaphragm Assy.	Diaphragm Assy. Kit	* Relieving R201-DAR
		Non Relieving R201-DANR

* STANDARD