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# RVLM SERIES

## RUBBER SEAT POPPET DESIGN

The compact RV poppet regulators are designed primarily for main burner and pilot load applications. Typical applications include residential and commercial cooking appliances, barbecues, hearth products, and pilot lines. Maxitrol rubber seat poppet models offer the ultimate in design features and performance capabilities to meet your specific appliance or utility requirements.

### Specifications

- **Pipe Sizes:** Rp 1/8 to Rp 3/8 threaded connections according to ISO 7-1/EN10226-1
- **Housing Material:** Aluminum
- **Internal Components Material:** Steel, aluminum, elastomer
- **Mounting:** Suitable for multi-positional mounting. Other than upright position will result in a slight difference in outlet pressure. Install with gas flowing as indicated by the arrow on bottom casting.
- **Construction and Design/Certifications:** According to the Gas Appliances Regulation (EU) 2016/426 and EN 88-1
- **Fuel Gases:** Suitable for gases of EN 437
- **Maximum Inlet Pressure:** 10 kPa
- **Ambient Temperature Range:** -15 °C to 80 °C
- **Capacities:** See flow chart, page 18

### Model Designations

Models having a suffix letter or a combination of suffix letters listed below indicates the design modifications described.

- **C.....** Convertible regulators\*; preset to deliver outlet pressures for either natural or LP gases (RV20, RV47, RV48).
- **L .....** Integral vent limiting orifice as the breather hole – with dust cap.
- **M ...** “Rp” parallel thread conforms to ISO 7-1/EN10226-1, where pressure tight joints are made on the threads.
- **SR...** Side pressure tap; right side\*\* 1/8 NPT (RV20, RV47, RV48).
- **S .....** Side pressure tap; left side\*\* 1/8 NPT (RV20, RV47, RV48).
- **V.....** Threaded vent connector, 5/16-24 for Rp 1/8 tubing connection (RV20) – with dust cap.

\* Convertible regulators are designed to deliver either of two fixed outlet pressures for natural or LP gases.  
RV20C: 1.0 kPa (NG); 2.5 kPa (LP)  
RV47C, RV48C: 1.0 or 1.25 or 1.5 kPa (NG); 2.5 or 2.75 kPa (LP)

\*\* Left and right is determined when viewing regulator from outlet side with stack up.

# GF1000 SERIES

## GAS & AIR FILTERS

Gas and air filters protect downstream controls (regulators, automatic shut-off valves) from particulate contamination. Recommended for use upstream of fittings, regulators, and controls. Applications for the residential, commercial cooking, process heating, and industrial burner industries.

### Specifications

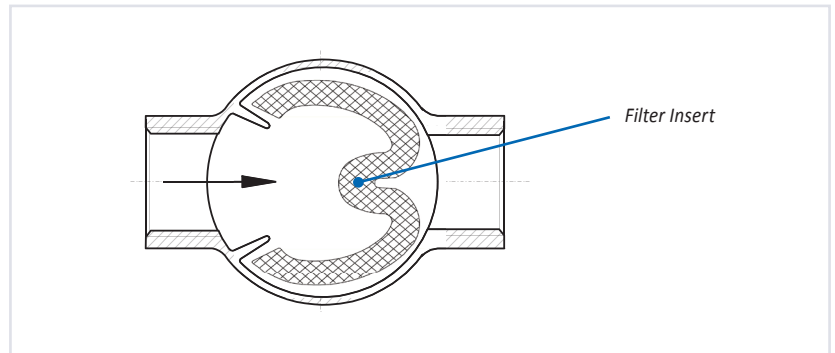
- **Pipe Sizes:** DN40 to DN65 flanged connections according to ISO 7005-2, PN 16
- **Housing Material:** Aluminum
- **Internal Components Material:** Aluminium, elastomer, galvanized wire mesh
- **Filter Insert:** Filter mat material will not allow particle infiltration equal or exceeding 50 µm (0.05 mm)
- **Filter Mat Material:** Polypropylene fleece
- **Mounting:** Suitable for multi-positional mounting, preferably with lid facing down or to the side to facilitate removal of debris during maintenance.
- **Construction and Design/Certifications:** Function according to DIN 3386, Gas Appliances Regulation (EU) 2016/426 and Pressure Equipment Directive 2014/68/EU
- **Fuel Gases:** Suitable for gases of EN 437
- **Pressure Tap:** optional (depending on selected model)
- **Maximum Inlet Pressure:** 100 kPa, 400 kPa, 600 kPa
- **Ambient Temperature Range:** -20 to 80 °C

### Gas Filter Service Kit

(incl. Insert, Gasket, and Screws)

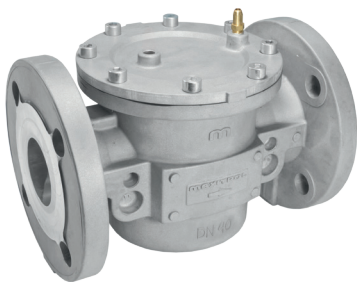
Model	Service Kit Number	Min. Order Quantity
GF1000MF40...	KIT-GF1000MF	Upon request
GF1000MF50...		
GF1000MF65...		

### Filter Insert

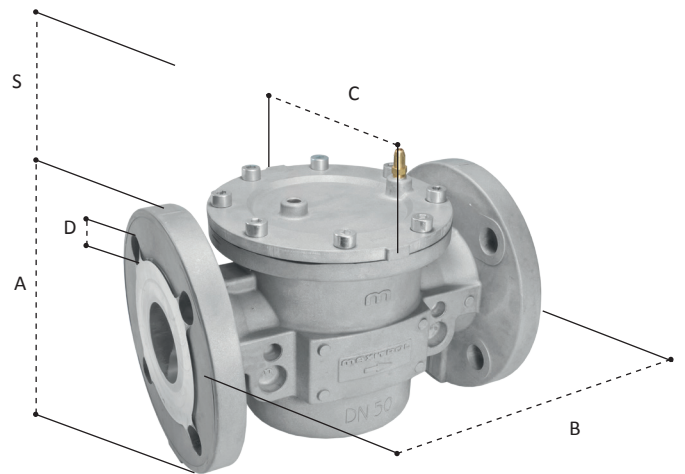


## Dimensions

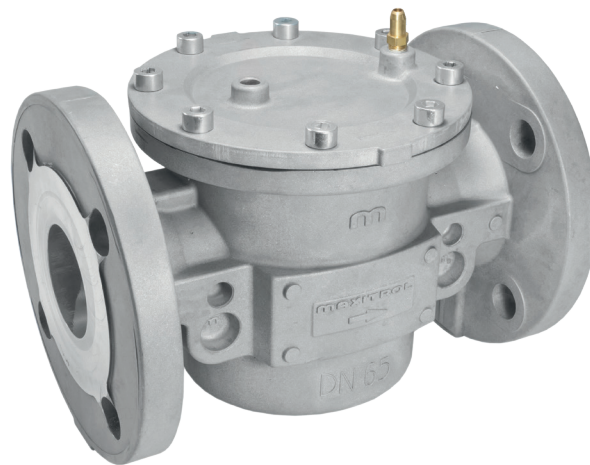
Model	Connection	Pipe Size	Space for filter mat replacement S	Dimensions			
				A	B	C	D
GF1000MF40...	Flange	DN40	150 mm	159 mm	230 mm	160 mm	18 mm
GF1000MF50...		DN50	150 mm	168 mm	230 mm	160 mm	18 mm
GF1000MF65...		DN65	150 mm	185 mm	230 mm	160 mm	18 mm



▲ GF1000MF40



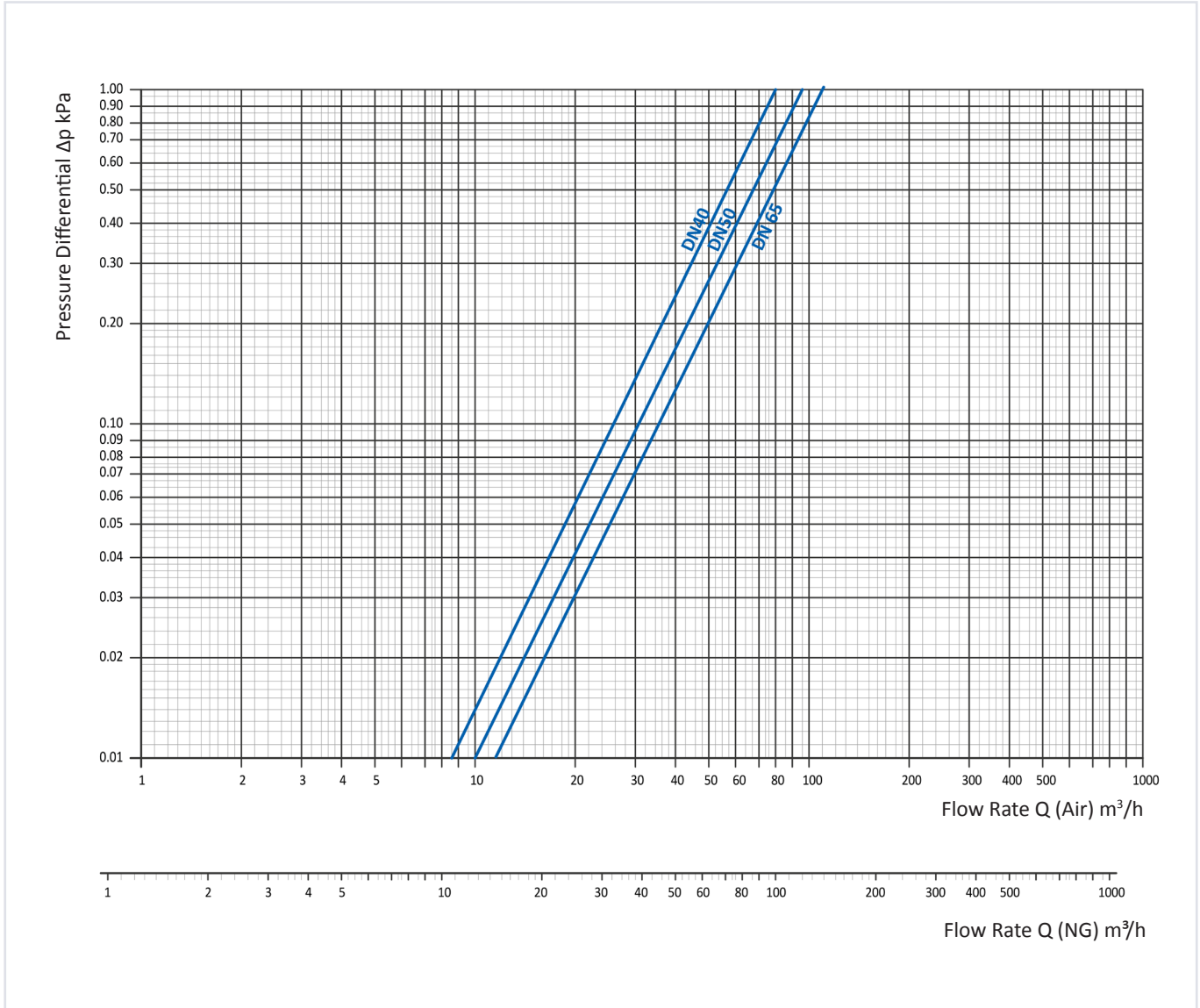
▲ GF1000MF50



▲ GF1000MF65

**NOTE:** Dimensions are maximums and to be used only as an aid in designing clearance for the filter. Actual production dimensions may vary somewhat from those shown.

## GF1000 Series



**NOTE:** The given flow rates are approximate values. Actual flow rates may vary somewhat from those shown.

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