



R158

**Description**

The R158 draught regulator is a control device for temperature adjustment in solid fuel boilers.

The thermostat sensor measures the water temperature and then adjusts the air flow by altering the ventilation opening via a lever and chain. The draught regulator can be adjusted within the range of 30÷100°C.

**Versions and product codes**

Product code	Connections	Calibration temperature [°C]
R158Y001	3/4"	30÷100

**Technical data**

- Max. working pressure: 10 bar
- Calibration range: 30÷100°C
- Max. working temperature: 120°C (sensor)
- Fluids: water, glycol solution (max. 50 % glycol)
- Connections: male threaded connection G 3/4" (ISO 7/1)
- Housing length: 62 mm
- Chain length: 1200 mm
- Chain stroke: 10 mm every 10°C
- Maximum load on the chain: 0,85 kg
- Hexagonal lever: - angular, 120°  
- dimensions: 115x145 mm

**Materials**

- Regulator body: zama alloy
- Stem: steel
- Knob: PPO
- Sensor-holder housing: brass UNI EN 12164 CW614N
- Draught lever and chain: galvanised iron
- Wax thermostat sensor

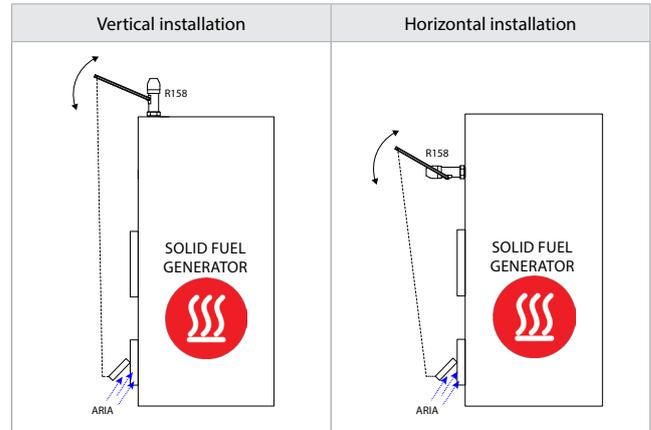
**Operation**

The regulator works on the draught value of the solid fuel generator, modifying the open section and hence the combustive air flow rate.

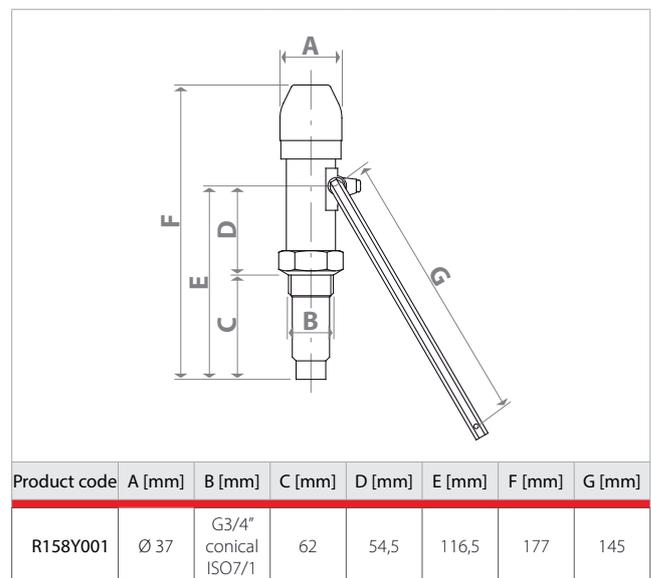
As the temperature of the system water in the generator changes via the command stem and chain mechanism, the draught regulator modifies the opening of the combustive air transfer hatch. When the water temperature falls below the calibrated value, the regulator raises the chain and increases the hatch opening to let more air into the combustion chamber. Vice versa, if the water temperature increases, the regulator lowers the chain and closes the hatch to limit the amount of combustive air. This system controls the combustion process, supplying the right amount of air to ensure a constant system water temperature and avoid overtemperatures and excessive fuel consumption.

**Installation**

The R158 draught regulator can be installed on generators and domestic solid fuel devices with natural draught. It can be installed horizontally or vertically.



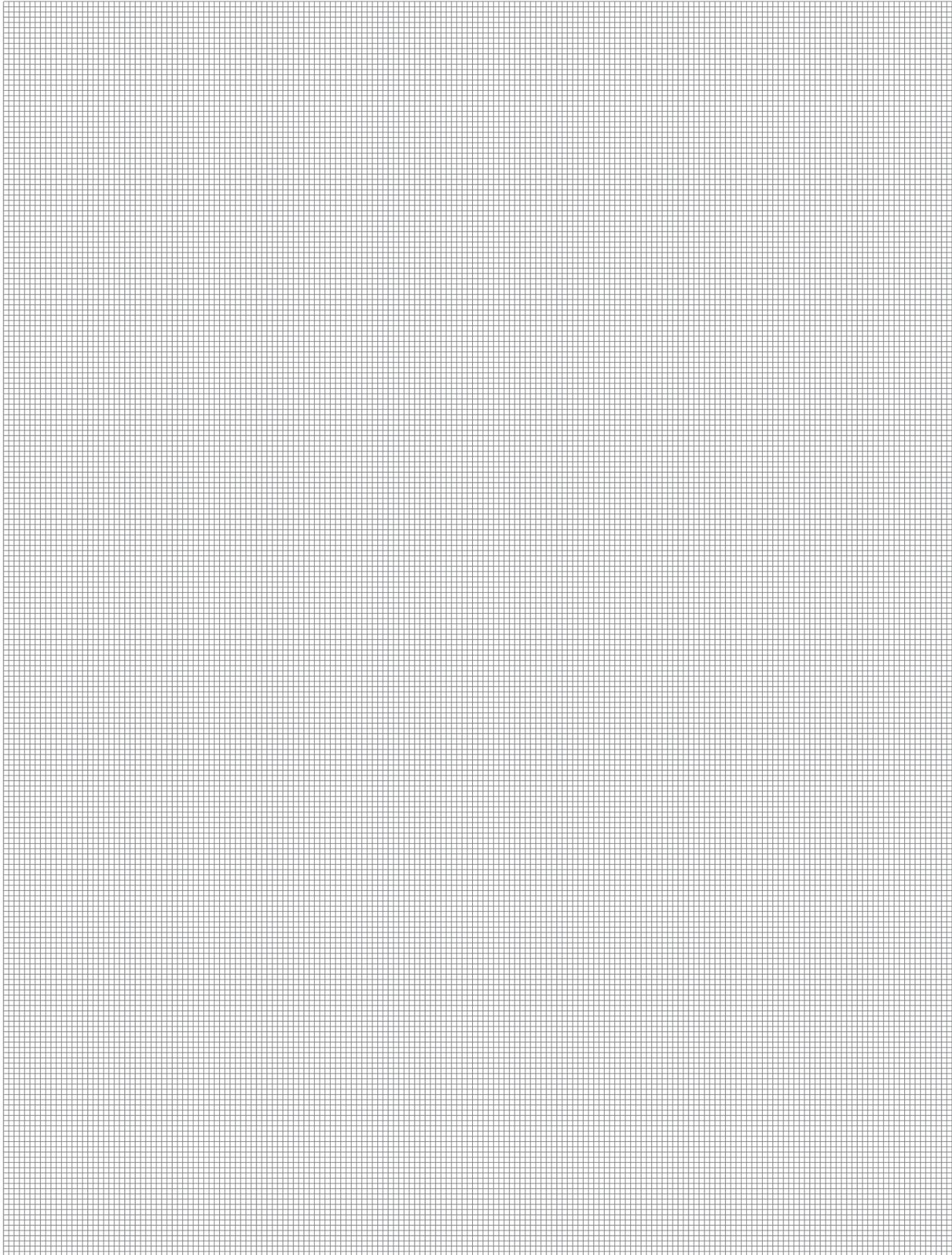
**Dimensions**



**Product specifications**

**R158**

Draught regulator for solid fuel generators. 3/4" M connection (ISO 7/1). Regulator body in zama alloy, knob in PPO. Draught lever and chain in galvanised iron. Wax thermostat sensor. Fluids used: water and glycol solutions. Maximum glycol concentration 50 %. Max. working temperature (sensor) 120 °C. Temperature range 30÷100 °C. Max. working pressure 10 bar. Housing length 62 mm. Chain length 1200 mm. Maximum load on the chain 0,85 kg.



**Additional information**

For additional information please check the website [www.giacomini.com](http://www.giacomini.com) or contact the technical service: ☎ +39 0322 923372 📠 +39 0322 923255 ✉ [consulenza.prodotti@giacomini.com](mailto:consulenza.prodotti@giacomini.com)  
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Giacomini S.p.A. Via per Alzo, 39 - 28017 San Maurizio d'Opaglio (NO) Italy