

# Float-valve level regulator VAFLO



## USER MANUAL

**BAMO** INTERNATIONAL

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Float-valve level regulator  
**VAFLO**

14-02-2022

M-527.01-EN-AA

**NIV**

**527-01 /1**

## 1. SAFETY INSTRUCTIONS

- The operation of the device must be in accordance with and strictly limited to the applications, as mentioned further on and on data-sheet.
- Ensure compatibility of the liquid with the chemical resistance of the controller's materials at operating pressure and temperature.

## 2. WARNINGS

To avoid causing the valve to operate incorrectly, the inlet flow must not exceed the values mentioned in the § "FEATURES". Otherwise, the liquid flowing through the orifice would have a force greater than that exerted by the float and the valve will not be able to close. The temperature of the liquid in which the float valve is used must not exceed 65 °C.

## 3. APPLICATIONS

- Automatic regulation of liquid level in a tank, without external power supply

## 4. DESCRIPTION

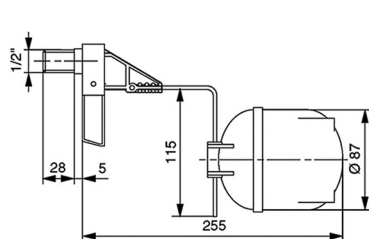
These valves have been designed for professional use; All components are made of materials known for their chemical compatibilities. Depending on the level of the liquid, the valve secured to the float, pivots on an axis and closes a nozzle. The setpoint level is adjustable over a range of 120 mm, allowing a correction when commissioning.

## 5. FEATURES

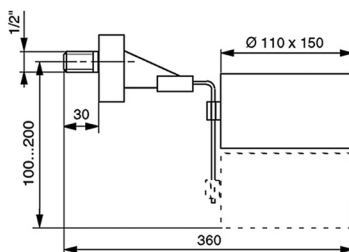
- Adjustable float stroke within 120 mm
- Flow: 1800 l/h with 1 bar – Pressure limit: 6 bar
- On request: Q=3600 l/h with 1 bar – Pressure limit: 4 bar

Reference	Float	Rod	Body	Seal	Fitting
VAFLO 15	Polyester	AISI 316 L	Hostaform	NBR	BSP-M 1/2"
VAFLO 20	PPH	Hastelloy B2	PPH	FPM	BSP-M 1/2"
VAFLO 25	PPH	Hastelloy B2	PPH	FPM	Flange ND15 (dim. PN10) with flat coupling

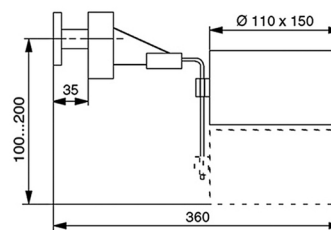
(Material of fittings: Identical to that of the valve body)



VAFLO 15



VAFLO 20



VAFLO 25

## 6. ASSEMBLY

The models VAFLO 15 and 20, are screwed to the side of the tank:

- Prepare a bore with a female coupling on the tank wall at the desired level for the location of the valve
- Use PTFE ribbon or any other insulation to seal the fitting
- Screw the valve from the inside of the tank ensuring that the float position is correct

The VAFLO 25 model is fixed using its flange:

- Prepare a Ø 20 counter flange to mount inside the tank
- Fix the valve ensuring the tightness of the fitting

Once the valve is mounted, it is possible to adjust the setpoint level over a range of 120 mm by sliding the float along the rod.

## 7. MAINTENANCE

Due to its design, the VAFLO float-valve does not require much maintenance. However, after intensive use, it is advisable to replace the seal of the orifice in order to maintain a good tightness of the system.

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