

# TACOSSETTER INLINE 130

## BALANCING VALVE



Direct regulation, indication and isolation of flows in systems.

### DESCRIPTION

Direct hydraulic balancing and control of flows at the intake manifold of circulating pumps. Balancing valves offer an easy and accurate method of adjusting the flow rates through heating, ventilation, air conditioning and cooling systems.

Correct balancing of hydraulic circuits ensures optimum energy distribution, resulting in more efficient and economical operation in accordance with the energy saving regulations provided for by legislation. With TacoSetter Inline 130 balancing valves, any qualified fitter can set the appropriate flow rate on the premises in question, thus avoiding investments in training and costly measuring devices.

### INSTALLATION POSITION

The valve can be installed in a horizontal, vertical or inclined position. Care should be taken to ensure that the arrow is pointing in the direction of the flow.

The TacoSetter Inline 130 can be built into the 1" threaded pump connection to the intake manifold of the circulating pump thanks to its special housing design.

### OPERATION

The flow measurement is based on the principle of a baffle float with return spring. The flowmeter is built into the housing.

### ADVANTAGES

- Accurate and fast adjustment with scale and without the aid of diagrams, tables or measurement devices
- Direct reading of the set volume flow in l/min with glycol scale
- Temperature-resistant up to 130 °C
- Direct connection to circulating pump, variable installation position
- Flow control with setpoint adjuster
- Regulating valve with isolating facility (rest leakage possible)

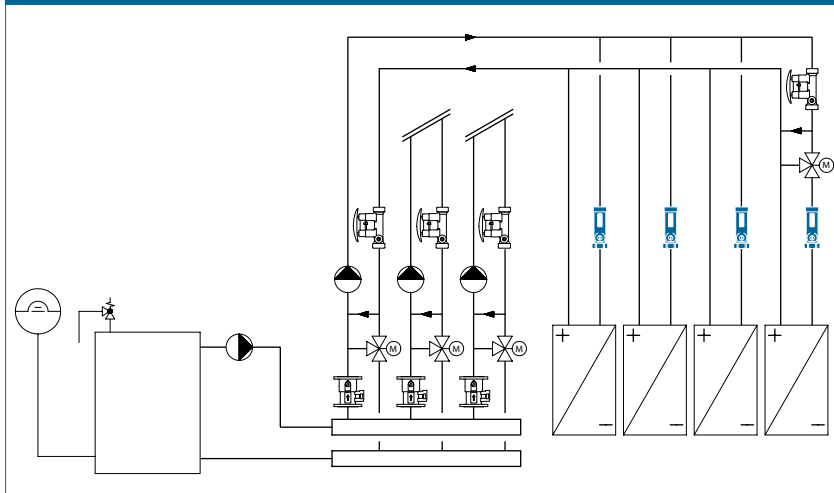
The balancing can be carried out with a screwdriver at the adjusting screw. The reading position is the bottom line of the baffle float.

### BUILDING CATEGORIES

For pipe installations in heating area:

- Apartment blocks, housing estates, multiple dwelling units
- Residential care facilities and hospitals
- Administration and service buildings
- Hotels and restaurants, industrial kitchens
- School buildings and sports facilities
- Commercial and industrial buildings
- Facilities with partial use, such as barracks, camping sites

### SYSTEM/BASIC DIAGRAM



### NOTE

#### Important when using glycol

The system medium must be allowed to flow through the measuring body for at least 2 hours prior to reading the flow rate when performing the initial start-up or refilling the system

# TACOSSETTER INLINE 130 | BALANCING VALVE

## SPECIFICATION TEXT

See [www.taconova.com](http://www.taconova.com)

## TECHNICAL DATA

### General

- Operating temperature  $T_{0 \text{ max}}$ : 130 °C
- Operating pressure  $P_{0 \text{ max}}$ : 10 bar
- Measuring accuracy: ±10% of the indicated value
- 1", flat-sealing connector
- Thread G (cylindrical) acc. to ISO 228

### Material

- Housing: brass
- Inside: stainless steel, brass, plastic
- Sight glass: borosilicate
- Seals: EPDM
- Flat-sealing connections

### Fluids

- Heating water (VDI 2035; SWKI BT 102-01; ÖNORM H 5195-1)
- Potable water (DIN 1988-200)
- Water and proprietary additives used against corrosion and freezing up to 50%

## APPROVALS / CERTIFICATES

- SVGW, KTW, W270

## TYPE OVERVIEW

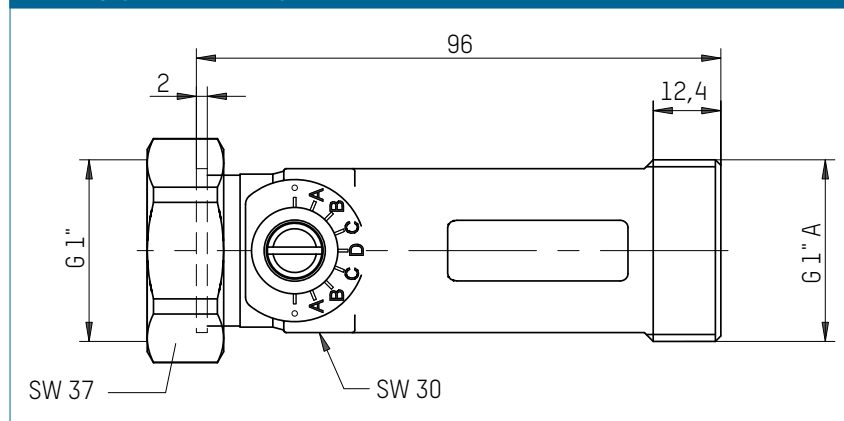
TacoSetter Inline 130 | Balancing valve with glycol scale

Order no.	DN	G × G	Measuring range (Glycol $\nu = 2.3 \text{ mm}^2/\text{s}$ )
223.7556.334	20	1" × 1" A	1,5 – 6,0 (l/min)
223.7566.334	20	1" × 1" A	4,0 – 16,0 (l/min)
223.7576.334	20	1" × 1" A	8,0 – 28,0 (l/min)

TacoSetter Inline 130 | Balancing valve with water scale

Order no.	DN	G × G	Measuring range
223.7586.000	20	1" × 1" A	10,0 – 40,0 (l/min)

## DIMENSIONAL DRAWING



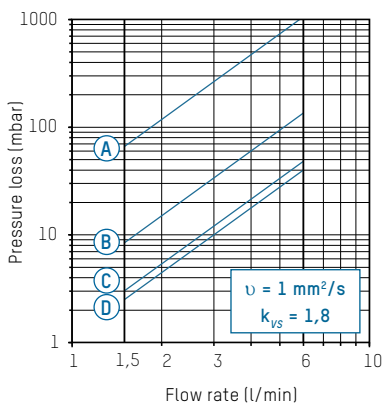
## ACCESSORIES

## CONNECTORS / ACCESSORIES

Order no.	Description
296.2334.000	Solar seal suitable 1" (glycol-resistant)
210.6632.121	Flat-sealing connector with R 3/4", male thread (glycol-resistant seal)

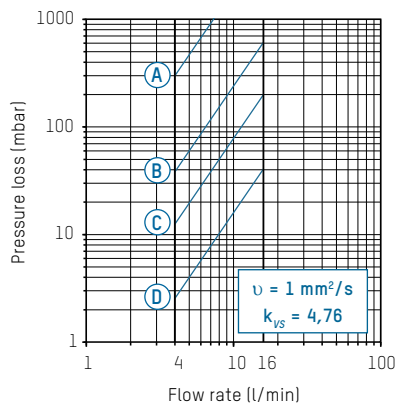
## PRESSURE LOSS DIAGRAMS

223.7556.334 (DN 20 | 1" | 1,5...6 l/min)



A – D Valve position

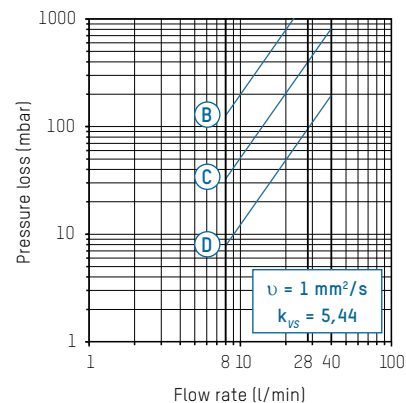
223.7566.334 (DN 20 | 1" | 4...16 l/min)



A – D Valve position

223.7576.334 (DN 20 | 1" | 8...28 l/min)

223.7586.000 (DN 20 | 1" | 10...40 l/min)



B – D Valve position

## CONTACT AND FURTHER INFORMATION

Taconova Group AG | Neunbrunnenstrasse 40 | CH-8050 Zurich | T +41 44 735 55 55 | F +41 44 735 55 02 | [group@taconova.com](mailto:group@taconova.com)

TACONOVA.COM