

SOLAR BALANCING VALVE

Technical datasheet Nr 25

• DESCRIPTION:

Hydraulic balancing and control of flows directly on the main body or in a subsystem.

• TECHNICAL DESCRIPTION:

- Regulating valve with isolating facility with direct reading of the set volume in l/min.
- Automatic shut-off bypass operating in parallel to the main volume flow with measuring and indication elements.
- Flow measurement is based on the principle of a baffle float with return spring.
- The index mark is the lower edge of the float element.
- Accurate and fast adjustment with scale and without the aid of diagrams, tables or measurement devices.
- Minimal pressure loss.
- Insulation supplied.



• TECHNICAL SPECIFICATIONS:

- Admissible operating temperature and pressure: see pressure-temperature curve.
- Measuring accuracy:
 - Measurement range from 20 to 80 % = +/-5% of the indicated value
 - Measurement range < 20 or > 80 % = +/-10% of the indicated value
- Kvs value and measurement range: see tables.

• MATERIALS:

- Housing: brass
- Inner parts: stainless steel, brass and plastic
- Sight glass: heat- and impact-resistance plastic
- Sealing: EPDM
- Female cylindrical thread Rp to DIN 2999 / ISO 7

• FLOW MEDIA:

Water mixtures with typical anti-corrosion and anti-frost additives (see "Glycol Correction Curves").

• AVAILABLE MODELS:

Reference	DN	Ø	Measuring range (l/min)	Kvs (m ³ /h)
70010124720	20	3/4"	2 – 12	2.2
70010124721	20	3/4"	8 – 20	5.0
70010124722	25	1"	10 – 40	8.1
70010124731	32	1"1/4	20 – 70	17.0

• PRESSURE-TEMPERATURE CURVE:

