

BALANCING VALVE

Technical datasheet Nr 69

Hydraulic balancing valve and flowrate control, manual or with an automatic measuring device, for solar collector fields on solar primary circuit or for DHW secondary circuit (depending on model).

• TECHNICAL DESCRIPTION:

- Infinitely adjustable fine presetting using two scales (basic setting on longitudinal scal and fine setting on peripheral scale).
- The location of the functional components in one plane allows a simple assembly and easy operation.
- 5 functions: presetting, measuring, isolating, filling and draining (depending on accessories).
- The flow and return pipe can be marked by use of the colour rings supplied with valve ref. 70010124000.
- Low pressure loss thanks to oblique pattern.
- Suitable up to 50% of mono propylene glycol (correction factors).
- Install the valve preferably on the cold pipe and take care of the correct flow direction.
- 2 pressure test points 1/4".

• TECHNICAL SPECIFICATIONS:

Specifications	70010124000	70010124001	70010124002
Circuit	Solar primary (glycol)	Solar primary (glycol)	Domestic secondary (water)
DN (mm)	50	65	65
Diameter (mm)	2"	Flange 145	
Flow rate range (l/min)	40 to 100	80 to 280	
Temperature range (°C)	-20 to +150	-10 to +150	-20 to +150
PN (bar)	25	16	
Dimensions (mm)	D=2" - L=150 - H=148	L=290 - H=188 - d1=110 - D=185 - K=145 - nxd=4x19	
Materials	- Valve body, bonnet: bronze Rg5. - Disc, stem: dezincification resistant brass.	- Valve body: cast iron - Bonnet, disc, stem: bronze / dezincification resistant brass.	- Valve body, bonnet, disc: bronze. - Stem: stainless steel.
	disc seal: PTFE. stem seal: maintenance-free due to double O-ring.		
Setting ± Flowrate tolerance %	<1 ±20%, 1 ±8%, 2à3 ±6%, 4à10 ±5%	1 ±14%, 2 ±9%, 3 ±7%, 4 ±6%, 5 ±5%, 6 ±4%, 7 ±3%, 8 ±3%	
Kvs (m ³ /h)	38.78	98.00	
	70010124000	70010124001	70010124002
			
			