



MANIFOLD SYSTEM

New application for automatic balancing valves

- Independent System for all type of apartments
- All Elements in one Location for easy operation and maintenance
- Presetting, adjusting and measuring can be done outside the apartment

Additional advantages of using Automatic Balancing Valves in manifold system are :

- **RELIABILITY** - Optimal performance across the entire riser at all system conditions (set & forget)
- **SYSTEM FLEXIBILITY** – no re-adjustment when expanding your system
- **HIGH COMFORT LEVEL** – Optimizes performance on control valves, provides a constant room temperature and reduces the risk of noise on the thermostat valves
- **TOTAL COST REDUCTION** – Energy saving when pump load adjusting and minimize commissioning costs
- Controlling the differential pressure and flow limitation.

Manifold system The pressure controller keeps a constant differential pressure over the riser and hence over the radiator thermostat valves. Given that the differential pressure is constant over the radiator valve, the maximum flow is easily pre-set at each radiator thermostat valve by turning the valve pre-setting ring and reducing the Kv value. The Maximum flow is limited and optimal differential pressure maintained, to avoid noise and secure the authority on radiator thermostat valves . In this cause the thermostat valves can work with the highest efficiency.

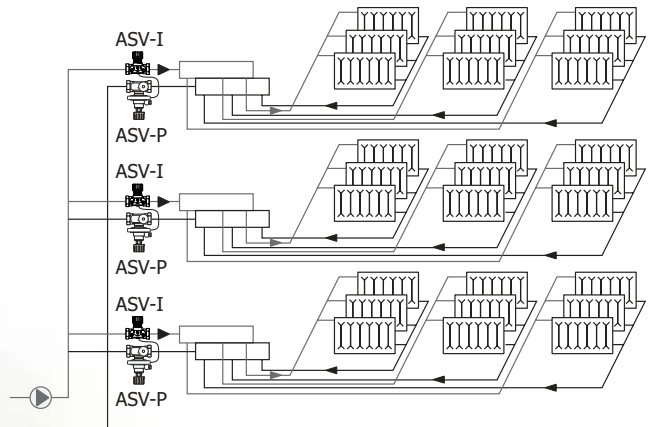
If the radiator thermostat valves have no pre-setting possibility, the maximum flow can be set and measured on ASV-I valve.

ASV-P is a balancing valve that maintains differential pressure across the riser fixed to 0,1 bar (10 kPa) and it is not adjustable. It incorporates a shut-off function and a drain cock like the ASV-PV/PV Plus.

ASV-PV controls the differential pressure between 0,05 and 0,25 bar (5 to 25 kPa). The factory setting is 0.1 bar (10kPa).

If a higher pressure is needed ASV-PV Plus, which provides a pressure between 0,2 and 0,4 bar (20 and 40 kPa) can be used. Factory setting is 0,3 bar (30 kPa).

ASV are delivered with styropor package as insulation cap.



Ordering: (automatic balancing valves)

ASV-P valve (10 kPa) inclusive 1,5 m impulse tube

ASV-P	DN	K _{vs} (m ³ /h)	Code No.
	15	1,6	003L7621
	20	2,5	003L7622
	25	4,0	003L7623
	32	6,3	003L7624
	40	10,0	003L7625

ASV-I adjustment valve, inclusive two measuring nipple

ASV-I	DN	K _{vs} (m ³ /h)	Code No.
	15	1,6	003L7641
	20	2,5	003L7642
	25	4,0	003L7643
	32	6,3	003L7644
	40	10,0	003L7645

ASV-PV Plus valve (20-40 kPa) inclusive 1,5 m impulse tube

ASV-PV Plus	DN	K _{vs} (m ³ /h)	Code No.
	15	1,6	003L7611
	20	2,5	003L7612
	25	4,0	003L7613
	32	6,3	003L7614
	40	10,0	003L7615

ASV-PV valve (5-25 kPa) inclusive 1,5 m impulse tube

ASV-PV	DN	K _{vs} (m ³ /h)	Code No.
	15	1,6	003L7601
	20	2,5	003L7602
	25	4,0	003L7603
	32	6,3	003L7604
	40	10,0	003L7605

ASV-M shut-off valve

ASV-M	DN	K _{vs} (m ³ /h)	Code No.
	15	1,6	003L7691
	20	2,5	003L7692
	25	4,0	003L7693
	32	6,3	003L7694
	40	10,0	003L7695

ASV valves can be used also for numerous other applications.