

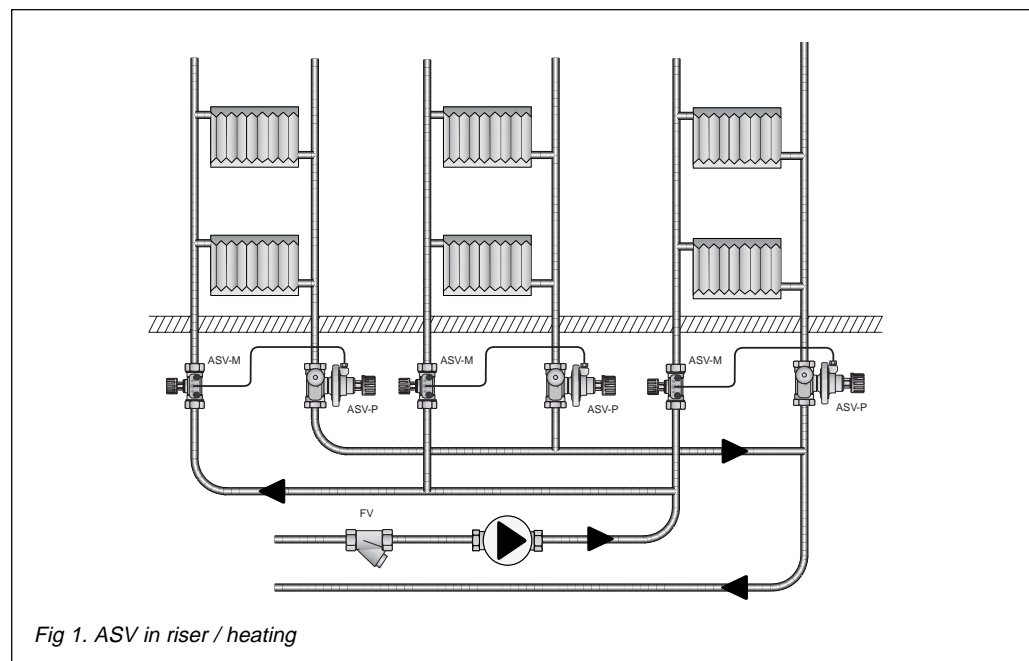
Description / Application
(continued)

ASV balancing valves are designed to guaranty a high quality of the automatic balancing by:

- a pressure released cone
- an adapted membrane for every valve dimension which provide constant quality performance for all sizes.

A 90° angle between all service features (shut-off, draining, setting, measuring) allows an easy access under any installing condition.

All the above-mentioned features and functions are realized in small build-in dimensions so it is easy to install the ASV also under worst installing conditions. The ASV valves are packaged in styropor (EPS) which can be used for insulation at temperatures up to 80 °C. An insulation cap is available as an accessory for insulation at higher temperatures (up to 120° C). The ASV valves are supplied with an internal or external thread. (ASV-PV Plus only with internal threads) If an external thread is chosen, a threaded or weld nipple can be supplied as an accessory.



ASV valves are to be used in radiator heating systems to control the differential pressure in risers. To limit the flow for every radiator, the thermostatic radiator valve with pre-setting facilities (feature) is used together with a constant pressure provided by the ASV, thus providing balanced heat distribution. Alternatively the flow in the riser can be limited by using setting function of the ASV-I.

ASV valves are performing pressure control not only at design conditions (100 % load) but also at all partial loads (to fulfill the requirements of DIN 18380 norms). By controlling pressure at a partial load one can prevent noise problems on thermostatic radiator valves which often occur in unbalanced systems.

By installing the ASV sets you may divide your heating system in pressure independent zones. This would allow a gradual connection of zones/risers to the main in new constructions or at renovation without the use of an additional balancing method. There is no need to perform a new commissioning every time the system is changed as the hydronic balancing is done automatically. Controlling differential pressure over the riser means also that the valve authority over the thermostatic radiator valves is high – which allows an accurate and stable temperature control and saves energy.