

EXPANSION TANK

The Runarsson expansion system is mainly used in large combined heat and power plants and district heating plants. It is used to control boiler water pressure in the heating system due to water thermal expansion caused by temperature changes.

This system consists of an expansion tank, pump control and working pressure maintain system. The operating pressure is maintained at a fixed level and is independent of the water level in the expansion tank. The flexible membrane minimizes the oxidation of boiler water, thus preventing corrosion and extending the service life of the entire system. Proper tank selection ensures efficient use of tank's volume, and the pressure control system is used to accommodate water which volume has increased, which prevents the entire system from exceeding the set working pressure level.

Advantages:

- minimum pressure fluctuations
- no water evaporation
- lower load on pipes and fittings
- easy mounting
- adjusted tank size
- minimal maintenance costs



EXPANSION TANK



- 1 Control panel
- 2 Pressure switch
- 3 Water level indicator
- 4 Pressure indicator
- 5 Filter
- 6 Pressure regulation
- 7 Solenoid valve
- 8 Check valve
- 9 Pump
- 10 Non-return valve
- 11 Drain valve
- 12 Level sensor
- 13 Water inlet
- 14 Heating system connection

Technical Data

Type	Diameter height mm	Gross volume, litter	Net volume, litter	Weight kg
JM – 500 – 3.5	955/1500	1071	892	151
JM – 800 – 3.5	955/1500	1071	892	151
JM – 1000 – 3.5	955/1500	1071	892	151
JM – 1200 – 3.5	1270/1500	1911	1590	209
JM – 1500 – 3.5	1270/1500	1911	1590	209
JM – 2000 – 3.5	1270/1600	2000	1720	219
JM – 2500 – 3.5	1270/2000	2548	2230	257
JM – 3000 – 3.5	1270/2400	3060	2740	297
JM – 4000 – 3.5	1270/3200	4075	3690	372
JM – 5000 – 3.5	1590/2500	4972	4475	393
JM – 6000 – 3.5	1590/3000	5967	5470	453