Expansion Tank

Product Description

Expansion pressure tank is an energy storage device composed of steel shell and rubber diaphragm inner tank. The rubber diaphragm completely separates the water chamber from the air chamber. The air in the tank is compressed. According to Boyle's gas law, the gas is compressed to a small volume, and the pressure rises to store energy. The expansion of the compressed gas can press the water in the rubber diaphragm out of the tank. equipment is simple and can be widely used for the preparation of softened water for industrial and civil applications such as steam boiler feed, heating and air conditioning, pools and other water systems.



Features

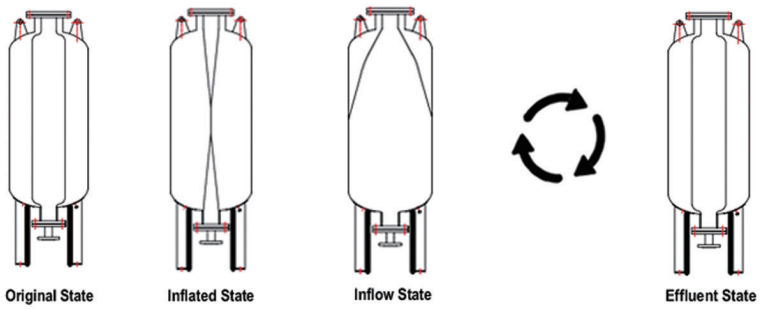
1.Good sealing performance: the tank is a closed device, no contact with water, to ensure that the water is not polluted by the outside world.

2. The use of a long time: rubber can stretch more than 200,000 times, an inflatable can maintain long-term use.

3. Eliminate noise: can effectively calm the pressure fluctuations in the water system, automatically eliminate the noise of the pipe network.

4. Safety elements: diaphragm for food-grade natural rubber sanitary diaphragm, can be applied in the drinking water system.

Specification



Schematic Diagram of Working Change of Rubber Diaphragm in Tank

Type	DN	Work Pressure	Volume	Adjust Volume	Dimensions（mm）		
	(mm)	(MPa)	(m3)	(m3)	Φ	H	DN
NZG400	400	0.6/1.0/1.6	0.12	0.054	400	1260	50
NZG600	600	0.6/1.0/1.6	0.35	0.125	600	2000	50
NZG800	800	0.6/1.0/1.6	0.85	0.35	800	2340	50
NZG1000	1000	0.6/1.0/1.6	1.56	0.5	1000	2480	50
NZG1200	1200	0.6/1.0/1.6	2.65	0.75	1200	2830	50
NZG1400	1400	0.6/1.0/1.6	3.61	1	1400	2970	50
NZG1600	1600	0.6/1.0/1.6	4.95	1.95	1600	3065	80
NZG1800	1800	0.6/1.0/1.6	7.06	2.12	1800	3170	80
NZG2000	2000	0.6/1.0/1.6	9.23	3.65	2000	3320	80