Air & Dirt separator

Product Description

The Air & Dirt separator purifies the water in the working system. The more efficient operation of heating and cooling systems depends to a large extent on the cleanliness of the water in the working system. The presence of impurity particles in the system can cause many problems, such as: increased equipment wear, frequent breakdowns, etc. Due to the presence of corrosion in the system, pump wear and reduced efficiency, will lead to increased maintenance costs.
The Air & Dirt separator has a unique device that removes the smallest particles from the system, making it completely free of impurities.



Product Features

The unique structure of this product is similar to a spiral degasser valve. The specially designed spiral tube is located in the center of the spiral deslagger, which creates a stationary zone within the spiral deslagger, allowing time for all particles, large and small, to settle to the bottom of the unit and collect in the sediment chamber.
The pressure drop in the spiral cleaner remains constant while the particles are separated from the system, so no clogging occurs. During normal operation of the system, impurities can be discharged from the system via a drain valve. The unit is equipped with a large impurity chamber and only needs to be drained periodically.
1 Impurities can be removed while the system is running.
2 The system removes all impurities without the need for maintenance or backup filters
3 No bypass or isolation valve is required, and the pressure drop is so small that it does not impede the flow of fluid.

Ordering Information

For example:TS-100
indicates the Beite Air & Dirt separator, the inlet and outlet water caliber size is 100 mm.

Model	Cylinder diameter (DN)	Max. Flow Rate (m3/h)	Water inlet and outlet (DN)	Drain Valve Size (DN)
TS-32	219	5.5	32	32
TS-40	219	7.5	40	32
TS-50	219	12.5	50	32
TS-65	219	20	65	32
TS-80	273	27	80	32
TS-100	250	47	100	32
TS-125	300	72	125	40
TS-150	300	108	150	40
TS-200	400	180	200	50
TS-250	450	288	250	50
TS-300	500	405	300	50
TS-350	600	50	350	50
TS-400	600	650	400	50
TS-450	800	850	450	50
TS-500	1000	1060	500	80
TS-600	1200	1530	600	80
TS-700	1400	2000	700	80
TS-800	1600	2600	800	80
Operating pressure options:10bar, 16bar				
Fluid temperature range:0~110 deg C				
304 stainless steel filtration precision:1000um				
Copper core filtration precision:5um				