



# SUPER TRAP

Motorized Ball Valve type  
Zero Air Loss Condensate Drain



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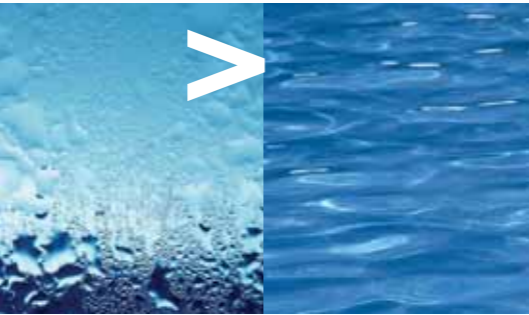


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Motorized Ball Valve Type  
Zero Air Loss  
Condensate Drain

## Super Air Compressor Technology Co., Ltd.

Locates in Taiwan and start business from technical service for compressed air systems since 1988. We provide customized solutions and continuous improvement. We involved in compressor energy-saving industry and have a leading position on R&D and manufacturing capability in the field of Taiwan. Promoting industrial sustainable development and the implementation of cleaner production concept of green. Unquestionably, Super-Trap is the best representative product in this concept.



**Stainless steel as main part of Zero Air Loss condensate drain provides comprehensive protection, reduce corrosion effect and extend the operating life**

- Business philosophy |**
- ✓ Professional Dedication
  - ✓ Sustainable Development
  - ✓ Energy Saving
  - ✓ Leading Innovation

**Mission |** Provide the best energy-saving solutions of compressed air system

**Vision |** Become the best Industrial partner of energy-efficient compressed air system



# Primary Factor Affect Quality and Function -- Condensate



Condensate causes poor adhesion between body part and coating.  
This cause rough surface and filter fail due to the water contents in the air.  
The equipment rusts occurred once the humidity of the compressed air is over 40%.  
It also wears out and reduces your competitiveness.



## Malfunctions Reasons

- Clog easily
- Complex Operation
- Curved discharge channel
- Smaller drainage channel
- Loose parts immersed in condensate
- Too much loose parts & operate frequently



# Compressed Air Is Not Free

Atmospheric air is free and can be found everywhere.  
It will be turned into compressed air as our energy through some equipment investment, complicated procedure and with much lower compressed efficiency. Therefore, compressed air is not free and to be the most expense resource of energy.

## Energy Saving



Zero air loss = saving energy

## High Efficiency



Maximum drain volume  
+ super design  
= easy operation & long life span

## Reliable



No loose parts inside tank,  
extremely low break down rate

## Safe

Remote monitor when  
clogged or overload

## Certificate& Patent



## Features

- Stainless steel vessel
- Dust & Water prevented
- Zero Air Loss –Energy saving
- Cost Saving– Without diaphragm cost
- Manual test button and discharge impurities
- Safe & Reliable – remote monitor is available
- Large discharge channel – Without contaminate accumulate
- Manual operate when power failed – Flexible, Reliable and Safe
- Discharged when pressure zero – Compressor can as usual operated
- Straight discharge channel –contaminant discharged with condensate

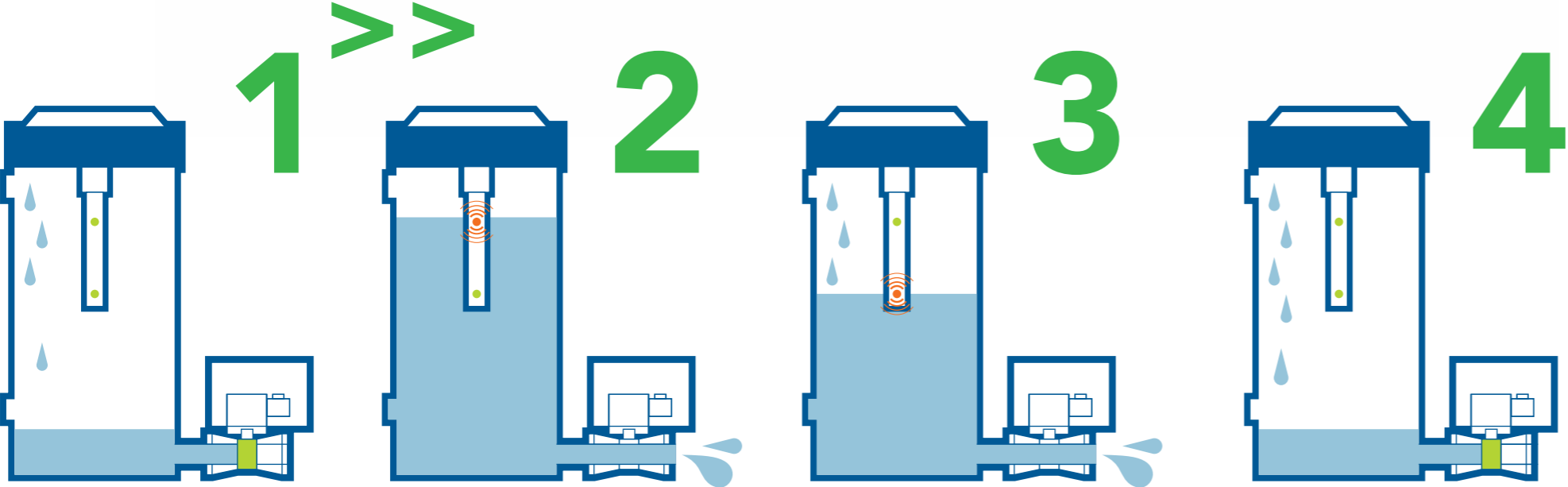
## Ø 10mm Channel

The diameter of the discharge channel inside the ball valve is 10mm. Even iron filings can be discharged easily and without Y type filter. Super Trap is the most workable condensate drain on the market.



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Drainage schematic



Condensate flows into the Super Trap and the water level increases.

Sensor detects high water level and discharge condensate by opening the ball valve automatically.

Sensor signals the valve to close when discharged condensate down to low water level.

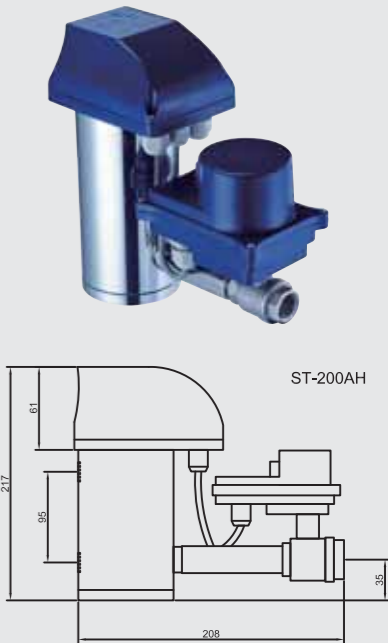
Water Seal prevents air leakage when the valve is closed.

\*Climate, equipment efficiency, installation and the rest of conditions will be the key affect that how much the condensate occurred. Please contact us or distributor nearby to find out suitable one of yours.

## Super-Trap Series

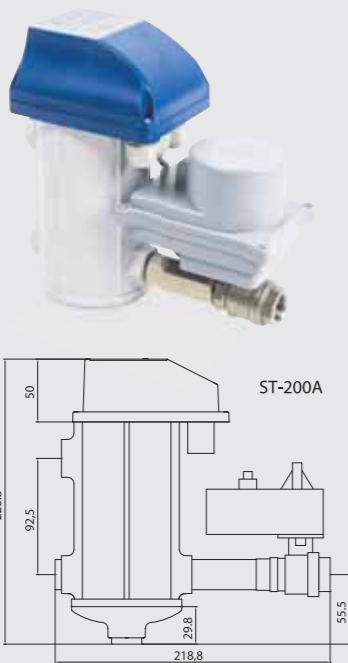
### ST-200AH(45 Bar)

Working Bar	0-45
Inlet (inch)	1/2
Outlet (inch)	1/2
Voltage AC (V)	110/220
Weight (Kg)	1.5
Compressor (M <sup>3</sup> /Min)(Max)	30
Dryer (M <sup>3</sup> /Min)(Max)	60
Filter (M <sup>3</sup> /Min)(Max)	300



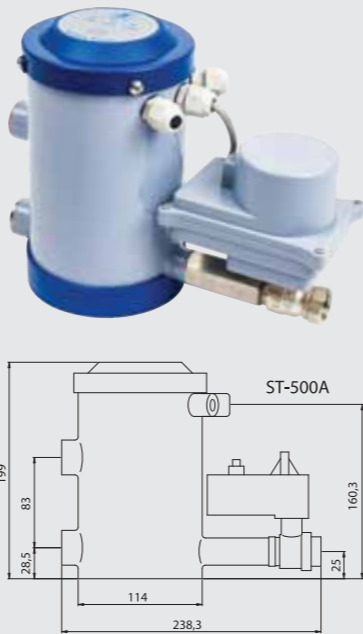
### ST-200A

Working Bar	0-16
Inlet (inch)	1/2
Outlet (inch)	1/2
Voltage AC (V)	110/220
Weight (Kg)	1.5
Compressor (M <sup>3</sup> /Min)(Max)	30
Dryer (M <sup>3</sup> /Min)(Max)	60
Filter (M <sup>3</sup> /Min)(Max)	300



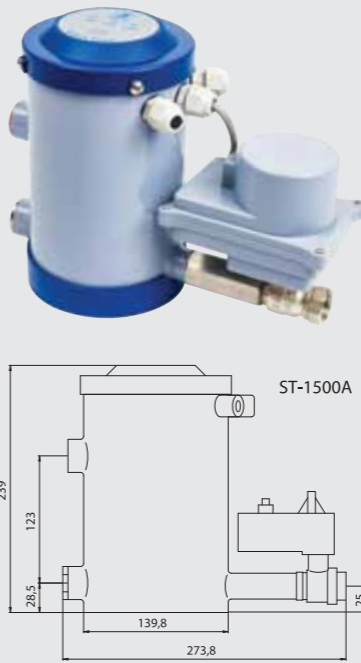
### ST-500A

Working Bar	0-16
Inlet (inch)	3/4
Outlet (inch)	1/2
Voltage AC (V)	110/220
Weight (Kg)	3.5
Compressor (M <sup>3</sup> /Min)(Max)	95
Dryer (M <sup>3</sup> /Min)(Max)	190
Filter (M <sup>3</sup> /Min)(Max)	1000



### ST-1500A

Working Bar	0-16
Inlet (inch)	3/4
Outlet (inch)	1/2
Voltage AC (V)	110/220
Weight (Kg)	4.5
Compressor (M <sup>3</sup> /Min)(Max)	300
Dryer (M <sup>3</sup> /Min)(Max)	600
Filter (M <sup>3</sup> /Min)(Max)	3000



### ST-3500A

Working Bar	0-16
Inlet (inch)	1
Outlet (inch)	1/2
Voltage AC (V)	110/220
Weight (Kg)	8
Compressor (M <sup>3</sup> /Min)(Max)	700
Dryer (M <sup>3</sup> /Min)(Max)	1400
Filter (M <sup>3</sup> /Min)(Max)	7000

