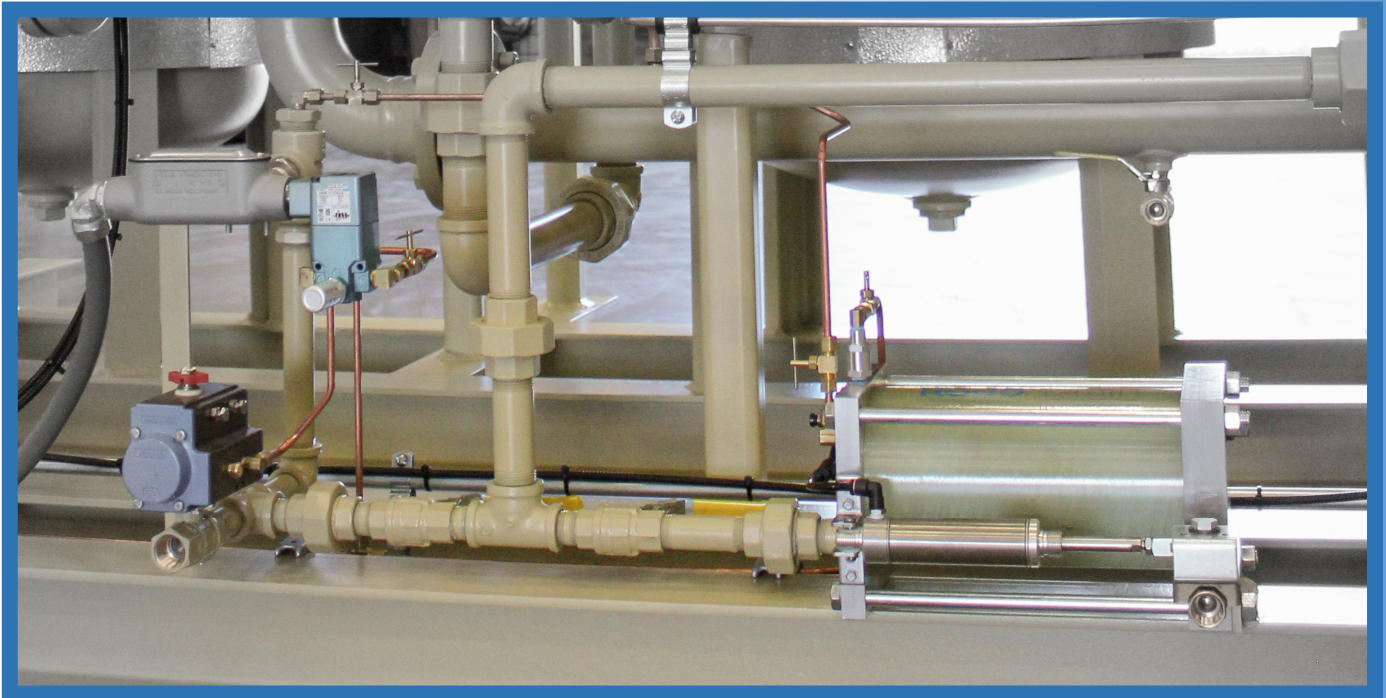


DDT-504

Automatic Dual Drain Trap



Henderson Engineering Co.
815.786.9471 800.544.4379



Provides Sahara's Compressed Air Dryer System with:

Reliable Corrosive Defense

Liquid Water Prevention

Two Traps in One

Improves Total System Performance





World Leader in Regenerative Dryer Technology



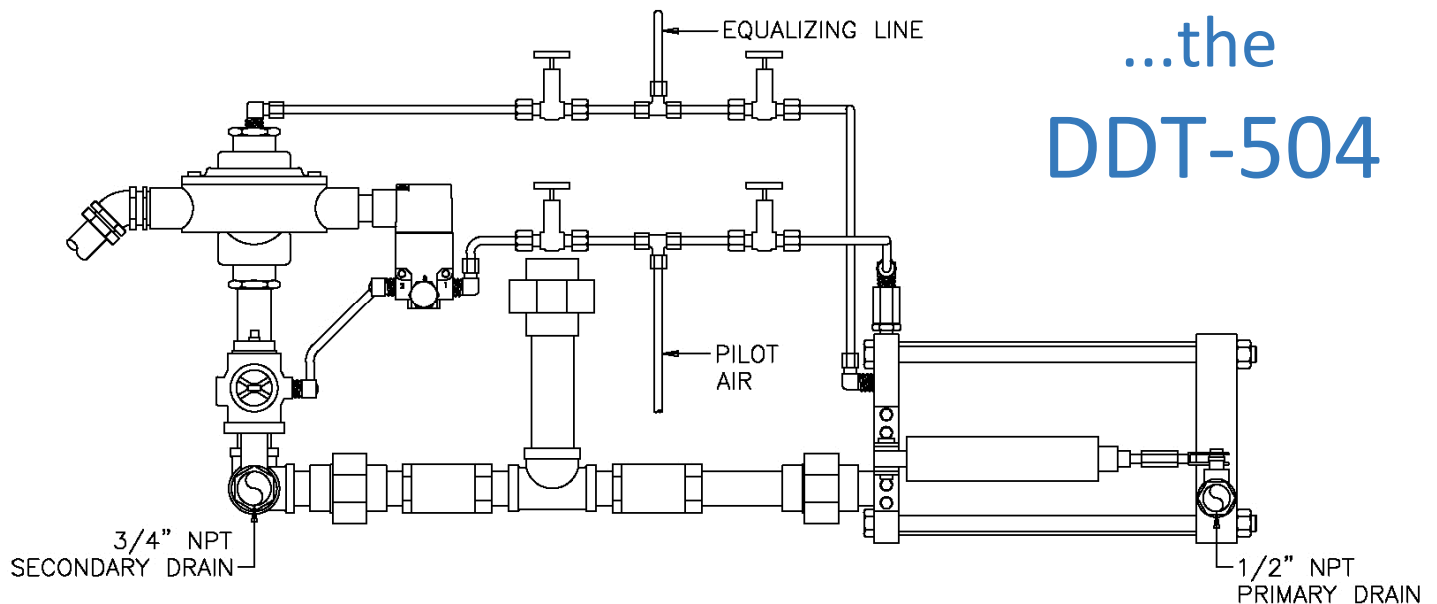
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A drain trap's job is to prevent liquid water, collected from wet compressed air, from invading the compressed air system. It is the system's last line of defense against the corrosive effects of moisture.

Most conventional drain traps suffer two main drawbacks: lack of reliability and no alarm or back-up in case of failure. Some try to solve these problems with a timer. This solution only works depending on the accuracy of the timing cycle to account for different moisture levels caused by fluctuations in the system's air flow, temperatures, pressures, and other factors. Since these fluctuations cannot be predicted, the timer-operated trap usually ends up either wasting compressed air or causing a water back-up into the system.

The Right Solution to an Old Problem...

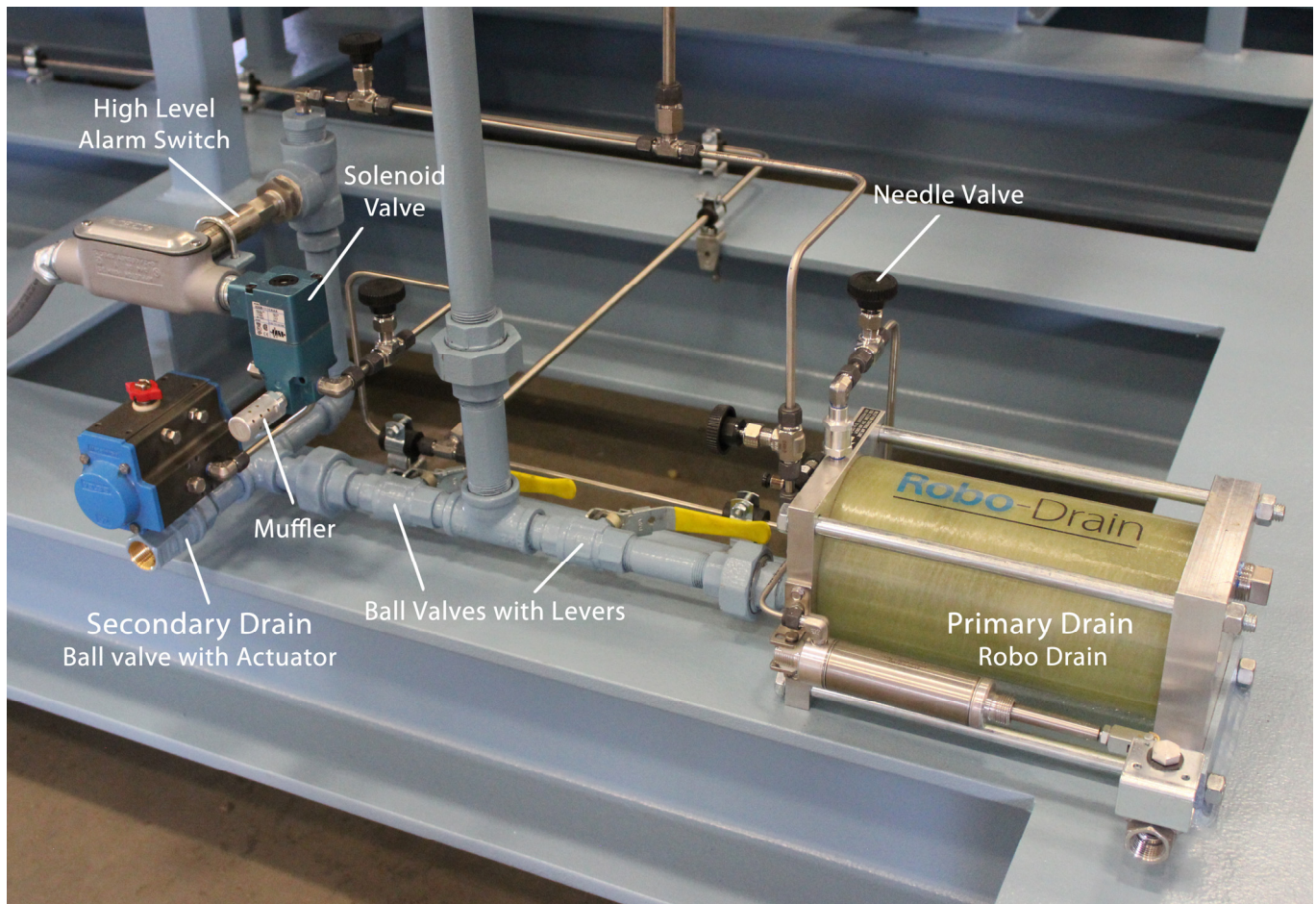
...the
DDT-504



- Fail-safe drain trap developed by Sahara Air Products
- Most reliable drain trap available
- Consists of two separate traps; a primary and a secondary
- Alarm in PLC, if primary drain fails
- Secondary drain continues to operate until primary drain is repaired

Improves Total System Performance

Designed by Sahara Air Products, our DDT-504 dual drain trap design is two traps in one. It takes the guesswork out of reliable draining by using a no air loss primary drain trap, a secondary back-up trap, and a primary drain failure alarm.



The primary trap features a see-through resin reservoir and mechanical float. Draining is accomplished by a full port ½" NPT ball valve that virtually eliminates clogging. Included is a magnetic switch that actuates the ball valve and a test push button. This simple and inexpensive component is capable of providing several years of trouble-free service. If the primary drain were to fail, water will back-up until it reaches a high level alarm switch which will send an electrical signal to a solenoid valve. The solenoid valve actuates a large two-way ball valve which, when open, drains the entire trap. As the level drops, the two-way valve closes. Additionally, a primary drain failure alarm on the PLC is activated every time the second float chamber is forced to operate. The primary trap may be isolated from the secondary and removed for cleaning without shutting down the air system.

Since the DDT-504 drains only water, and not air, it improves total system performance.

Its reliability and diagnostics can indeed provide true peace of mind.



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Custom Design

We can build a dryer to meet your strict performance requirements

The heart of our company has always been engineering; finding novel solutions to our customers' unique applications. Our reputation has been built by building dryers custom designed for each specific application a customer requires. We are one of the few dryer manufacturers who can completely design and fabricate a dryer to each and every customers specifications.

Dryers are purchased to solve plant air problems. The decision to buy is complex and involves many variables; initial price, vendor qualifications, delivery, performance, and operating cost, just to name a few. The selection of a SAHARA air dryer is a safe choice. Our sales engineers will help you select the right system for your application. They have the expertise to review your plant air system and design the optimum engineered solution. Quality and reliability are built into every SAHARA air dryer and performance is guaranteed.

Sahara Air Products

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Henderson Engineering Co., Inc., is proud to be certified to the ISO 9001 Quality Management System standards and guidelines