

# HSD - HEAD SPACE DEHYDRATOR

Stop Water Contamination  
Before It Happens!

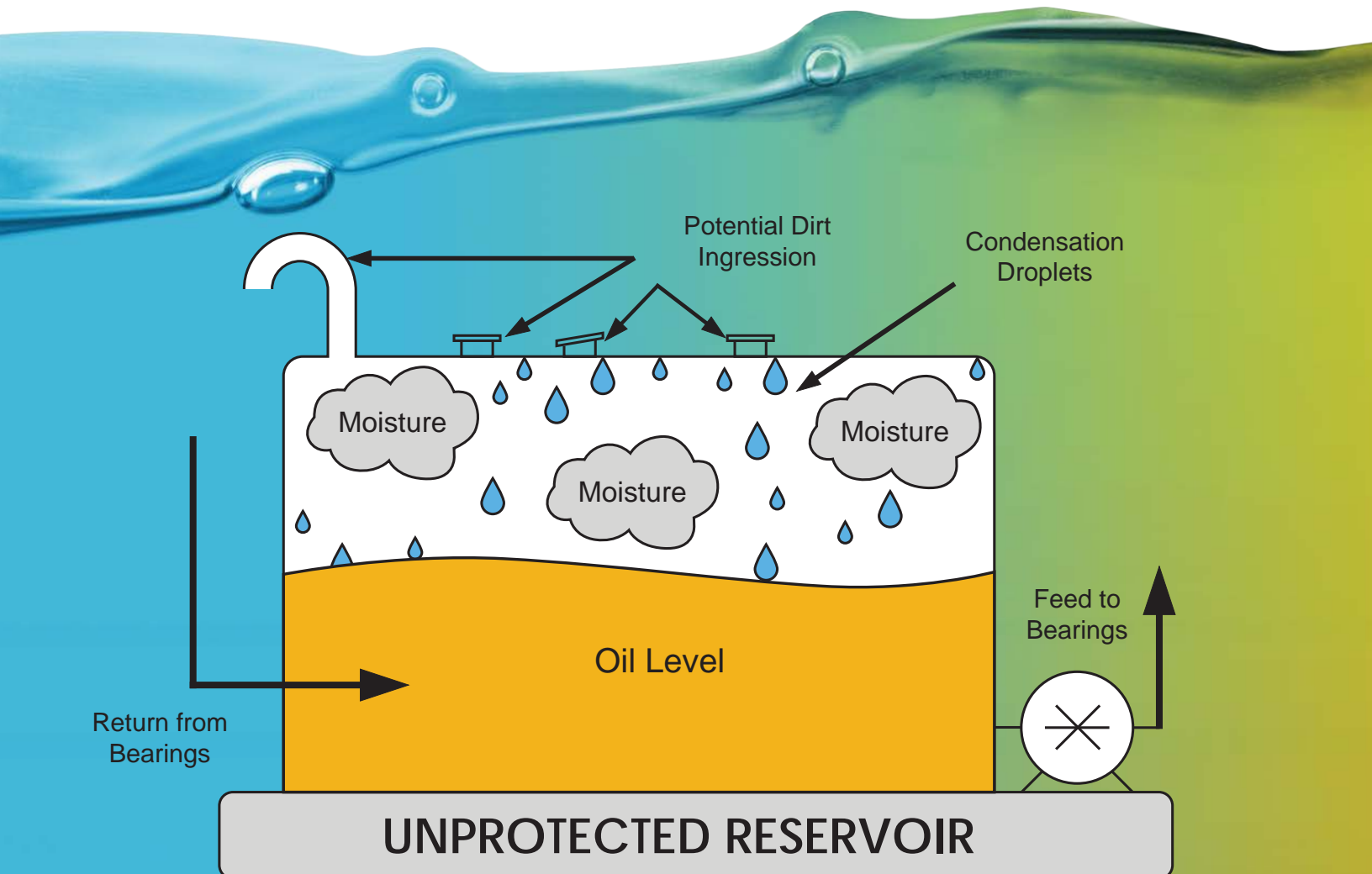


## Contamination Central: Humidity In The Head Space

Most hydraulic reservoirs feature a pocket of open space between the fluid level and the top of the reservoir. This open space, known as **head space**, fills with moisture as humid air ingresses via faulty seals, vents, and other entry points.

As moisture builds in the head space, water condenses at the top of the reservoir, eventually coalescing and falling into the oil. This water contamination can cause a range of serious problems which can impact your equipment's efficiency and may require repairs, including:

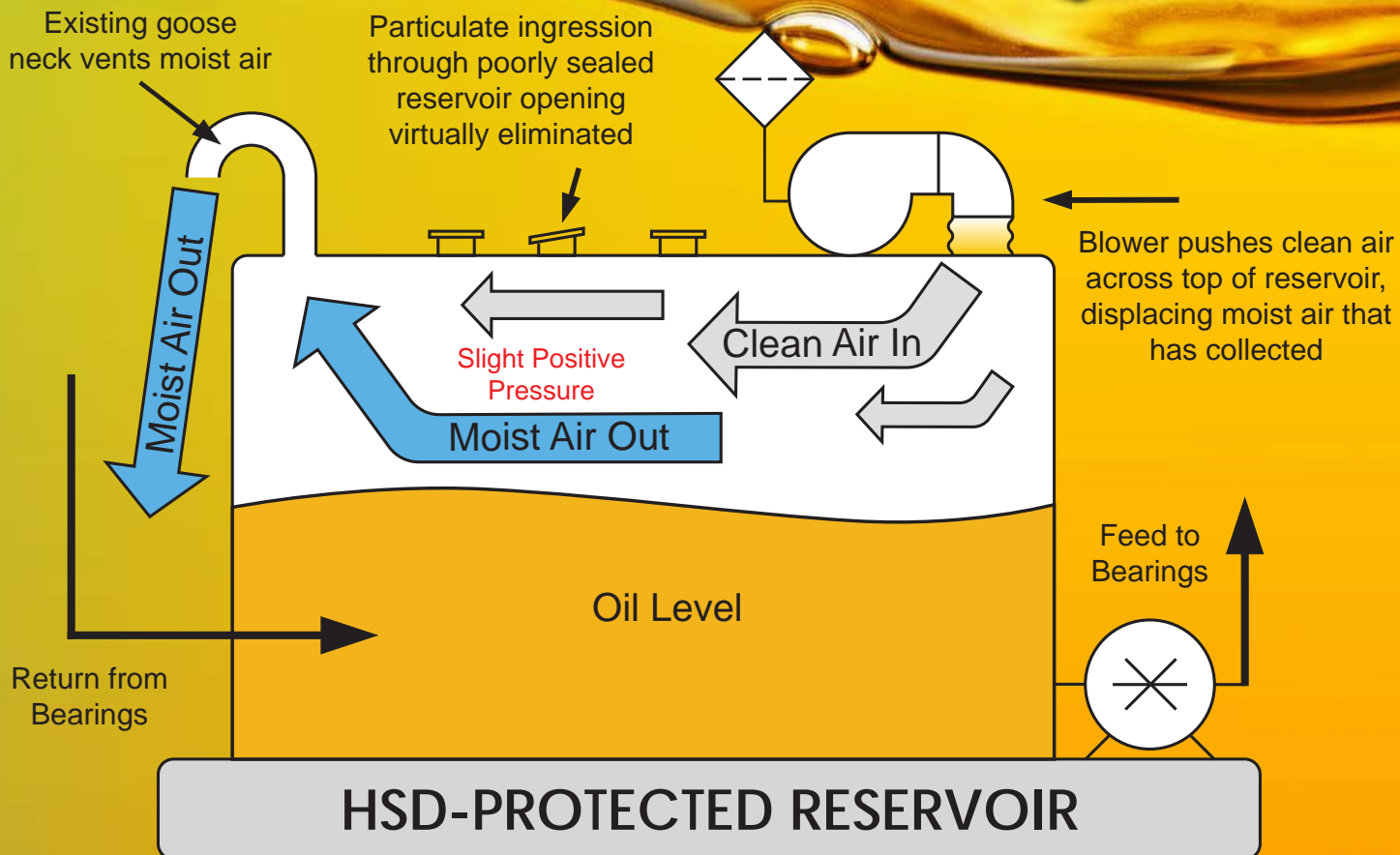
- ◆ Rust
- ◆ Cavitation
- ◆ Sensor failures
- ◆ Reduced oil lubricity



## Head Space Dehydrator (HSD): How Does It Help?

The new Head Space Dehydrator is designed to combat moisture in the head space of a hydraulic reservoir before it contaminates the oil. This unit is permanently installed on a hydraulic reservoir so that humidity inside the reservoir can be managed continuously. Here's how it works:

- 1 The Head Space Dehydrator assembly pulls ambient air into the chamber through a series of particulate breathers.
- 2 The clean, dry air is then blown through the head space above the fluid level, displacing and venting the moist internal air through existing ventilation points.
- 3 As the moist air is displaced, the opportunity for water contamination via condensation is reduced.



## HSD Technical Specifications:

Type Fluid:	Max flow rate 282 cfm (7985 lpm)
Blower:	1/2HP blower with 220-275/380-480V-60Hz-3 phase motor
Breathers:	Uses 4 breathers which include -0.5 psi (-0.035 bar) differential pressure indicators

## HSD Markets & Applications:

Ideal for industrial applications where water contamination may be introduced to the reservoir head space, particularly:

- Steel & Primary Metals
- Bulk Storage
- Pulp & Paper Production
- and more!

## HSD Features & Benefits:

- ✓ Cost effective, reliable, proactive solution for water ingress in the hydraulic reservoir
- ✓ Improved oil cleanliness & reduced oil waste
- ✓ Increased lifespan of oil and components

## Struggling with Saturation? Schroeder Industries Has Water Removal Solutions That Work!

The impacts of water contamination can be serious, even potentially irreversible! In addition to the HSD, Schroeder Industries offers a variety of products and services engineered for effective dehydration that protects your vital equipment, including:



### Triton Dehydration Stations®

These dewatering units utilize highly effective, patented mass transfer dewatering technology to eliminate 100% of free water and up to 90% of dissolved water.

### Aqua-Excellement® High Efficiency Media

Specialized filter media engineered to excel at removing both free water & solid particulates from petroleum-based fluids.



Discover More Dehydrating Solutions!



Find a licensed → Schroeder Industries distributor near you!



Scan Me

[schroederindustries.com/resources/distributor-locator/](https://schroederindustries.com/resources/distributor-locator/)

Scan Me



For more information and a complete listing of Schroeder's Filter Systems & Diagnostic solutions, visit: [schroederindustries.com/filter-systems-and-diagnostics-iot/](https://schroederindustries.com/filter-systems-and-diagnostics-iot/)

580 West Park Road | Leetsdale, PA 15056, USA

724.318.1100 phone | 724.318.1200 fax

[sisales@schroederindustries.com](mailto:sisales@schroederindustries.com)

An ISO 9001:2015 Certified Company | © 5.2021 All rights reserved.

