RHD

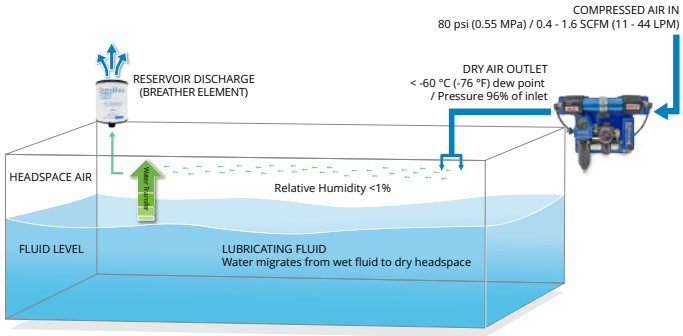
Reservoir Headspace Dryer

The Reservoir Headspace Dryer is our adaptable solution for moisture management in hydraulic and lubrication reservoirs. Available in two sizes, RHD is unique in its ability to properly match a range of reservoir capacities. RHD is both high quality and cost effective for purchase and ongoing maintenance. Through a highly effective, non-mechanical process, the Reservoir Headspace Dryer helps remove all 3 forms of water from lubricants and hydraulic fluids.

Donaldson HY-PRO™

hyprofiltration.com/

*Please check with your distributor on availability.



Remove water: protect your systems.

With the Reservoir Headspace Dryer, dry air is generated at the source, providing unlimited capacity to reduce existing moisture in the reservoir and oils. The water is released from the oil to the super dry air. The Reservoir Headspace Dryer is a maintenance solution that will maintain water at very low levels (<50 ppm total or in the ideal range between 200~300 ppm for EHC fluids), reducing the rate of lubricant break-down.

Eliminate water at its source.

Free flowing dry air is exhausted out of the breather element, reversing the typical flow configuration of reservoir air and eliminating one of the key ingression points for water and particulate contamination.

Extend your fluid life.

A properly sized Reservoir Headspace Dryer is designed to remove up to 100 ppm of water per day under normal operating conditions to minimize oxidation and fluid breakdown and extend the useful life of your oil while protecting your critical components.

RHD Specifications

Height[1]	**50** **300**	13.41" (34.1 cm) 13.41" (34.1 cm)			
Width[1]	**50** **300**	16.50" (41.9 cm) 16.80" (42.7 cm)			
Depth[1]	**50** **300**	6.59" (16.7 cm) 6.59" (16.7 cm)			
Approximate Weight[1]	<15 lbs (<6.8 kg)				
Inlet / Outlet / Drain Plug	¼" NPT				
Coalescer Drain	Automatic Float Type				
Max Working Pressure	100 psi (689.5 kPa / 6.89 bar)				
Max Operating Temperature	100°F (28°C)				
Mounting Bracket	Accommodates 1/2" hardware				
Inlet Conditions	232 psi (16 bar), 95°F (35°C)				
Outlet Pressure Dew Point		59°F (15°C)	37°F (3°C)	-4°F (-20°C)	-40°F (-40°C)
Percentage Purge		10%	14%	21%	29%
Inlet Air Flow scfm (slpm)	**50** **300**	1.8 scfm (50 slpm) 10.6 scfm (300 slpm)	1.3 scfm (36 slpm) 7.5 scfm (213 slpm)	0.8 scfm (24 slpm) 5.0 scfm (142 slpm)	0.6 scfm (17 slpm) 3.6 scfm (103 slpm)
Purge Air scfm (slpm)	**50** **300**	0.2 scfm (5 slpm) 1.0 scfm (29 slpm)			

[1]Dimensions & weights are approximations taken from base model and will vary according to options chosen.

RHD Part Number Builder

RHD - [ ]

Model

Model	**50**[2] **300**[2]

For all up to date option details and compatibilites, please reference our Contamination Solutions Price List or contact customer service.
[2]Reservoir Headspace should be calculated to ensure proper air flow for optimal drying in your application. Suggested replacement of pre filter every 6 months, more freaquent for extreamly dirty or wet conditions.

Want to find out more? Get in touch.
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Donaldson HY-PRO™

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