

ARV™ Active Reservoir Vent™



The Donaldson Active Reservoir Vent™ (ARV™) is an effective dry air purging system for minimizing water contamination in fluids. It continuously supplies dry air to reservoirs and other vented components. Slight pressurization of the reservoir head space with dry air prevents ingress of humidity, thereby, eliminating a common source of water contamination. In addition, as dry air sweeps over the surface of the oil, water evaporates and the oil dries to beneficial low levels. Through efficient and user-friendly water contamination control, the ARV's unique dry air purging system provides a wide range of benefits, including longer component life, extended fluid change intervals, and greater system uptime and reliability.



Do you have challenges with water in oil?

- Is your operation in a high humidity environment?
- Do you operate around wash water, spray down maintenance, or marine and off-shore environments?
- Do you get regular condensation in your reservoirs?
- Are you using a desiccant breather now?
 - How often do you change your desiccant?
 - Do you require frequent service maintenance / short life with your desiccant?
 - Are you concerned that your desiccant is saturated with water until it is too late?

Water is a frequent and damaging contaminant in hydraulic and lubrication systems, and water contamination causes a host of problems including corrosion, component seizure, microbial growth, additive dumping, and accelerated oil oxidation. The ARV will help prevent the chain of damage caused by water contamination.

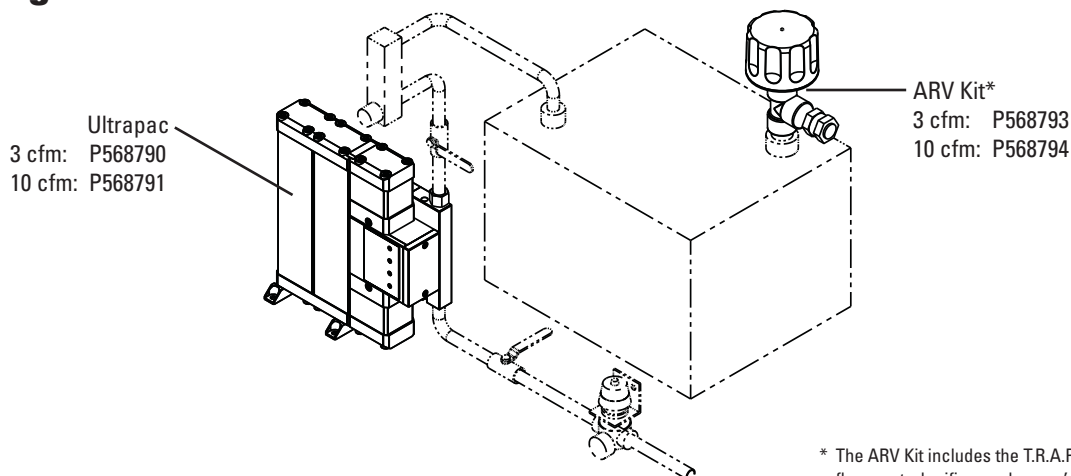
Features	Benefits
Purges wet, humid air from reservoir head space	Greater uptime, longer bearing life, lower energy consumption, fewer parts replacement, and greater machine efficiency
Minimal annual maintenance	Low maintenance costs
Prefilter and afterfilter for particle removal	Added protection from particulate wear

Applications	
Hydraulic System Reservoirs	Small Storage tanks
Gear boxes	Multiple Tanks
Lube System Reservoirs	Lube Rooms

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Ordering



* The ARV Kit includes the T.R.A.P. breather assembly, flow control orifice, and a user's manual.

Specifications

Ultrapac

Part Number	Flow Rate (scfm)	Recommended for Reservoir Size (gallons)	NPTF Connection (inches)	Dimensions (inches)			Weight (lbs)
				Height	Width	Depth	
P568790	3	up to 600	1/2	13.7	11.8	4.7	15
P568791	10	up to 2000	1/2	34.8	34.8	34.8	33

- Electrical Requirements: 110 V/50-60 Hz AC, Approx. 4 W
- Medium: Compressed air/nitrogen
- Operating Pressure: 100 psig (60 psig min)
- Medium Temperature: maximum = 122F
- Ambient Temperature: minimum = 39F; maximum = 122F

ARV Kit** Breather Assembly

Part Number	Flow Rate (scfm)	Recommended for Reservoir Size (gallons)	NPTM Connection (inches)	T.R.A.P. Breather Assembly (inches)		
				Height	Width	Depth
P568793	3	up to 300	1	9	6.5	4.5
P568794	10	up to 1000	1	9	6.5	4.5

** Kit includes breather assembly, flow control orifice, and user's manual.

Replacement/Maintenance Parts & Schedule

Description	Recommended Change Interval	Part Number
T.R.A.P. breather	6 months	P564669
Ultrapac 2000 Carepack (prefilter element, afterfilter element, desiccant cartridges, set of seals) for Ultrapac adsorption dryer	1 year	ARV-3: P568796 ARV-10: P568797



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