

Product note

Gearing

Dodge® Hydra-Lock desiccant breathers

When a standard breather is not enough

The Dodge line of Hydra-Lock desiccant breathers deliver maximum protection for Dodge gearing operating in harsh environments. This breather protects lubricants from humidity and keeps out even the smallest particulates that can destroy the effectiveness of your reducer. Ideal for use on Dodge Motorized Torque-Arm®, Torque-Arm II®, and MagnaGear reducers, a Hydra-Lock desiccant breather will reduce wear, extend oil and filter life and provide maximum uptime.

Ideal for:

- Higher humidity environments
- Washdown applications
- Reducers in storage
- A higher level of contaminant protection

Specifications:

- Integrated nylon standpipe
- Interior check valves create a nearly sealed system
- Clear polycarbonate casing allows for greater chemical compatibility and vibration resistance
- Multi-tiered filtration process

Benefits:

- Eliminates rust-forming condensation
- Prevents sludge deposits and water-contaminated oil
- Provides longer oil and filter life
- Reduces equipment wear for longer life

Foam pad

Reduces oil mist exhalation. Ensures outgoing air is evenly disbursed through the filters and desiccant.

Resilient

polycarbonate body

Shock absorbing, clear casing provides reliable service and easy maintenance.

Desiccant material

Silica gel absorbs water from incoming air. Indicates condition by change of color from blue to pink.

Filter element

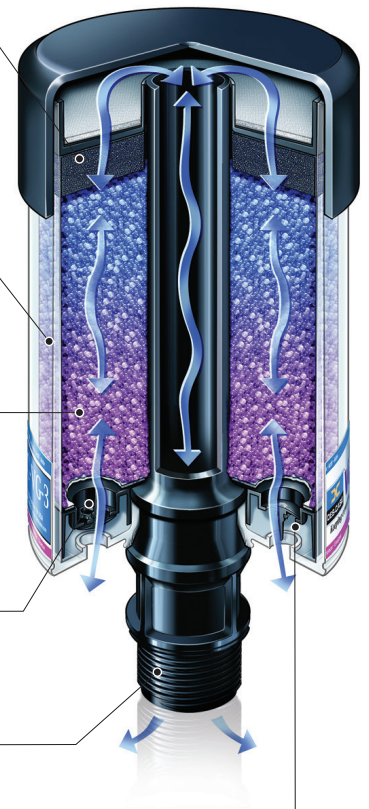
Patented polyester filter removes contamination to 3-micron.

Threaded mounting

Easily replaces standard filter/breather cap with one of several adapters.

Interior Check Valve System

Provides system pressurization, protecting system integrity and reduction of particle contamination. Plugs keep unit inactive until use.



Product Specifications	HL0	HL1	HL2	HL3	HL4
Assembly part number	964372	964364	964366	964368	964370
Unit height (in/mm)	3.90"/99.06 mm	5.31"/135 mm	6.125"/155.6 mm	8.125"/206.4 mm	10.125"/257.2 mm
Unit diameter (width in/mm)	2.52"/64.01 mm	2.52"/64 mm	4"/101.6 mm	4"/101.6 mm	4"/101.6 mm
Adsorption capacity (fl oz/ml)	0.79 fl oz/23.3 ml	1.68 fl oz/49.6 ml	4.00 fl oz/118.2 ml	7.45 fl oz/220.3 ml	11.3 fl oz/333 ml
Filtration	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)	3μ absolute (β ₃ ≥200)
Operating temp. range (°F)	-20 to +200	-20 to +200	-20 to +200	-20 to +200	-20 to +200
Operating temp. range (°C)	-29 to +93	-29 to +93	-29 to +93	-29 to +93	-29 to +93
Thread Connection Size (NPT)	3/8"	3/8"	1"	1"	1"
Recommended for	TA0107-TA3203	TA4207-TA9415	TA10507-TA12608	MagnaGear 525-920	MagnaGear extreme
Dodge reducer sizes:	MTA2&3	MTA4-8	MagnaGear 100-390		duty applications

A breather for every application

From a standard filter breather to a fully enclosed chamber breather, customers can choose their desired level of protection.

Standard filter breather

- Unconstrained capped filter element
- Larger opening screen below the filter
- Taller overall height helps to avoid dust buildup around opening



Hydra-Lock desiccant breathers

- Internal check valve system creates a nearly sealed system
- Integrated nylon standpipe and clear polycarbonate casing allow for greater chemical compatibility and vibration resistance
- Filter element captures particles at 3 micron absolute



Ceramic filter breather

- 40 micron filter
- Metal cap
- Corrosion resistant



Totally enclosed metal breather

- No outside air enters the reducer
- Chamber expands and contracts with pressure
- Good for high humidity or wet environments



Product specifications	Standard filter	Ceramic	Hydra-Lock desiccant	Enclosed metal
Filtration	N/A	40μ ($\beta_3 \geq 200$)	3μ ABSOLUTE ($\beta_3 \geq 200$)	totally enclosed
Thread connection size (NPT)	3/8"	3/8"	1"	1"
Assembly part number	900287	430048	964372	240050
for Dodge reducer sizes:	TA0-TA3, MTA2&3	TA0-TA3, MTA2&3	TA0-TA3, MTA2&3	TA0-TA3, MTA2&3
Assembly part number	904287	430049	964364	240051
for Dodge reducer sizes:	TA4-TA12, MTA4-8	TA4-TA12, MTA4-8	TA4-TA9, MTA4-8	TA4-TA12, MTA4-8
Assembly part number for Dodge reducer sizes:			964366 TA10-TA12 MagnaGear 100-390	
Assembly part number for Dodge reducer sizes:			964368 MagnaGear 525-920	
Assembly part number for Dodge reducer sizes:			964370 MagnaGear extreme duty applications	

For more information please contact:

<http://new.abb.com/mechanical-power-transmission>