

IIoT TECHNOLOGIES



OPTIFY™ Breather

Maximize gearbox life, the smart way



New!

The connected solution

The OPTIFY Breather is the next generation of desiccant breather, allowing you to tap into the power of the OPTIFY condition monitoring platform to remotely monitor breather status—enhancing gearbox reliability and streamlining maintenance.

Gearboxes play a critical role in the production and profitability of your operations. To accommodate natural changes in pressure and environmental conditions, gearboxes are designed to breathe. Without proper filtration, this process draws water and solid particles into the gearbox reservoir—leading to oxidation, corrosion, and premature failure.

While typical maintenance practices focus on mitigating issues caused by contamination, the most effective practice is preventing contaminants from entering your gearbox in the first place. The OPTIFY Breather is a connected solution engineered to eliminate contamination and extend gearbox life.



Sensor technology provides precise measurement of asset-specific data, from rate and direction of saturation to battery life and airflow temperature

**IP66
RATED**

Proprietary, detachable sensor module features a built-in antenna for data collection via OPTIFY Gateways from up to 800 feet

Internal foam filter captures oil mist for reduced contamination and prolonged breather life while dispersing passing air evenly across the desiccant media

Silica gel beads eliminate moisture contamination by holding up to 40 percent of their weight in water, providing a higher capacity and longer life than standard color-changing desiccant media

Naturally aspirated with no fixed volume, preventing the build-up of pressure for increased seal effectiveness

Polyester filter elements reduce airborne solid particle contamination to a three-micron absolute and evenly distribute incoming outside air across the desiccant media

Recessed umbrella check-valves isolate breather elements from ambient conditions for prolonged life

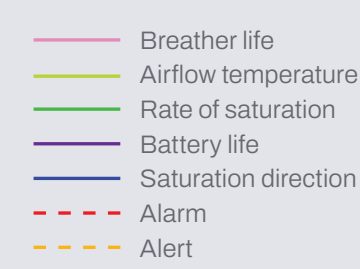
Monitor gearbox health from anywhere, anytime

OPTIFY, our innovative Industrial Internet of Things (IIoT) solution for complete powertrain condition monitoring, allows you to easily monitor the health of your equipment plant-wide. The breather seamlessly connects to our easy-to-use web and mobile platform, providing you with accurate health indicators and robust data analytics at your fingertips. With OPTIFY, you are equipped with critical insight to maximize gearbox life and diagnose gearbox failure before it happens—empowering you to operate safely, improve reliability, and maximize uptime.



Breather health status

View breather life, airflow temperature, rate of saturation, battery life, and saturation direction to efficiently monitor plant-wide gearbox health

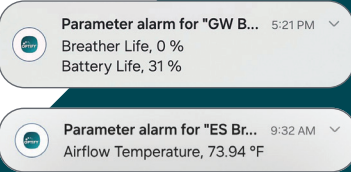


Plant-wide inventory management

Simplify your cartridge replacement ordering process with data-driven recommendations and predicted inventory needs

Automated notifications

System-generated alerts and alarms for real-time notifications of critical actions



Complete powertrain condition monitoring

Use the breather with our Performance Sensor and Intelli-Lube® for complete drive package condition monitoring and streamlined maintenance across your operations



Scan to access OPTIFY or visit dodgeoptify.com



The OPTIFY app is available at:



Selection and ordering

Initial order

Based on your gearbox, determine the appropriate breather size for your application. Order the starter kit, which includes couplings, extensions, and adapters to fit most gearbox configurations.

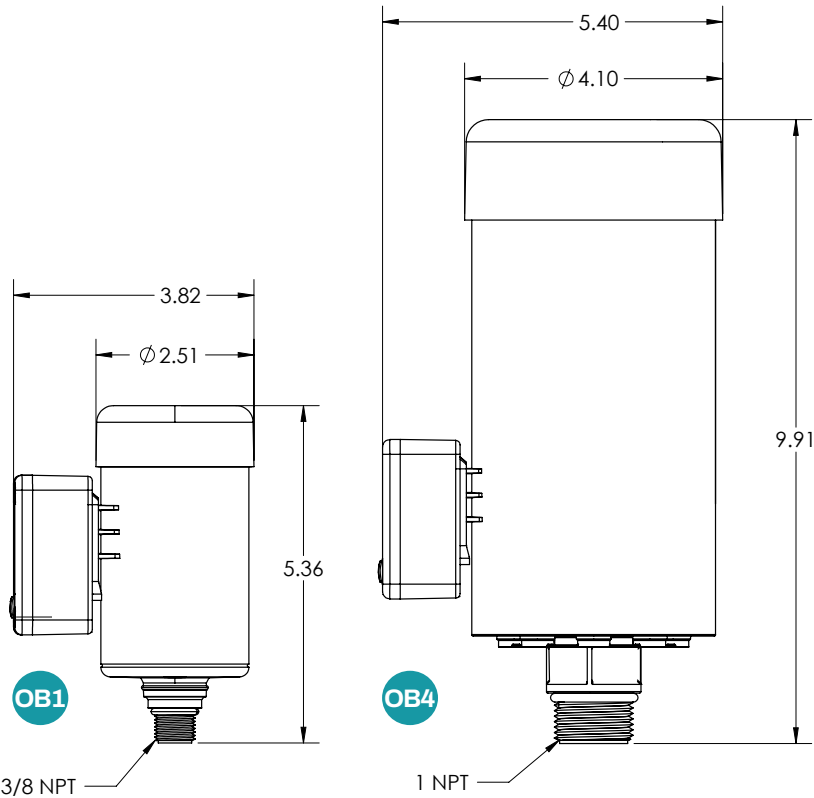
Replacement cartridge

Order replacement cartridges as needed or when prompted in the OPTIFY platform.

Note: Some applications may require additional fittings to work around guarding or structure.



For additional information, refer to the instruction manual at dodge.ptplace.com



Note: All dimensions are in inches

OB1		
Part numbers	Component	Compatible with Dodge® reducers
Starter kit 750020	Replacement cartridge 750015	Desiccant cartridge
		AAA batteries (x3) for sensor module
		Sensor module
		3/8 inch NPTF to 3/8 inch NPTF coupling
		3 inch—3/8 inch NPT pipe extension
		Hex 3/4 inch NPT to 3/8 inch NPTF reducer
		Hex 1/2 inch NPT to 3/8 inch NPTF reducer
		• Quantis® 48—168 • Maxum® XTR 50—80 • TXT® 1—9 • Torque-Arm II 0—9 • Motorized Torque-Arm 2—8

OB4		
Part numbers	Component	Compatible with Dodge reducers
Starter kit 750021	Replacement cartridge 750017	Desiccant cartridge
		AAA batteries (x3) for sensor module
		Sensor module
		1 inch NPTF to 3/4 inch NPTF coupling
		3 inch—3/4 inch NPT pipe extension
		• Maxum XTR 90—130 • TXT 10—12 • TDT™ 13—15 • Torque-Arm II 10—12 • Motorized Torque-Arm 9—12 • MagnaGear® XTR 100—920

