

## **MOVING BIOGAS?**

## ROTRON<sup>®</sup> Regenerative Blowers Are The Best Choice

- Designed by AMETEK Dynamic Fluid Solutions specifically for corrosive and hazardous applications
- Suitable for up to 1500 cubic feet per minute and up to a maximum pressure of 7 PSIG
- More corrosion resistant than competitive brands
- Explosion-proof motor options meet your needs AND stringent safety regulations
- Unparalleled sealing options to reduce leakage for optimal gas usage and safety



### More Corrosion Resistant Than Competitive Brands



#### **ROTRON®** Regenerative Blowers...

are made of aluminum, which is spark and corrosion resistant. Competitive blowers are made of steel or other materials which are subject to corrosion.



#### Oxidation...

doesn't stand a chance with the stainless steel nuts, bolts and other hardware that come standard on all ROTRON<sup>®</sup> Chemical Processing blowers. Competitive blowers use cheap zinc-plated fasteners that are prone to corrosion.



#### Chem Tough<sup>™</sup>...

a proprietary process — combines the advantages of aluminum oxide ceramic and selected fluorocarbons to give ROTRON<sup>®</sup> blowers unparalleled levels of chemical resistance, hardness, resistance, permanent lubricity, and more.

#### ROTRON<sup>®</sup> Blowers'...

full C face motors are designed to protect motor windings and bearings from corrosive gases and the airstream. Competitors often use half motors exposing these parts to corrosive gases, which can lead to blower downtime.

# Reduce Leakage for Optimal Gas Usage and Safety



#### Lo-Leak<sup>™</sup> Lip Seal...

prevents leakage at the motor shaft. RTV sealing compound is used to cut off all leakage paths at the blowers' metal-to-metal surfaces.



#### Double-Faced Carbon Seal...

prevents further gas leakage at the motor shaft via a pair of face seals working against each other on opposite sides of a common mating ring.



#### Hermetically Sealed Mag Drive Seal...

has been an alternative for complete gas containment.



#### LEARN MORE AT AMETEKDFS.COM/BIOGAS

## **MOVING BIOGAS?**



Meet Your Needs and Stringent Safety Regulations with ROTRON<sup>®</sup> Regenerative Blowers' Explosion-Proof Motors

#### Safest in the Market



ROTRON<sup>®</sup> explosionproof motors are rated for Class 1, Division 1, Group D areas at a minimum, making the

motors the safest in the market. Most competitive blowers use Division 2 rated explosion-proof motors, which are not as safe as Division 1 motors.

#### **Thermal Protection**



All ROTRON® explosion-proof motors have thermal protection, which shuts the motor off

at specific temperatures via the customers' control circuits.

#### Most Complete Variety



AMETEK DFS strives to provide the most complete variety of explosionproof motors, including Inverter-Duty motors that are ideal when using a

VFD (Variable Frequency Drive) and Chemical-Duty XP motors that are perfect for handling corrosive and explosive gases.

ROTRON <sup>®</sup> Regenerative Blowers Meet the Demands of Non-Hazardous, Hazardous and Corrosive Applications			
	DR Industrial	EN Environmental	CP Chemical Processing
Spark resistant aluminum housings, covers, impellers, muffler towers and manifolds	✓	✓	✓
Motor-less operation	$\checkmark$	$\checkmark$	$\checkmark$
VFD ready motors	standard	optional	optional
Heavy-duty cast aluminum manifolds		$\checkmark$	$\checkmark$
Teflon lip seal in a stainless-steel case rated at 25cc/min		✓	✓
Explosion-proof motors		$\checkmark$	$\checkmark$
Chem Tough <sup>™</sup> corrosion resistant treatments			✓
Chemical-duty motors			$\checkmark$
Stainless steel hardware			$\checkmark$
Nickel plated flanges and muffler retainers			$\checkmark$



- Made in the USA
- Compact construction
- Non-sparking materials
- Aluminum castings
- Permanently sealed motor bearings
- Multiple sealing options
- Explosion proof motors (optional)

#### **Other Benefits**

- Long life
- Low acoustical noise
- No maintenance requirements
- High reliability
- Unparalleled sealing options





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