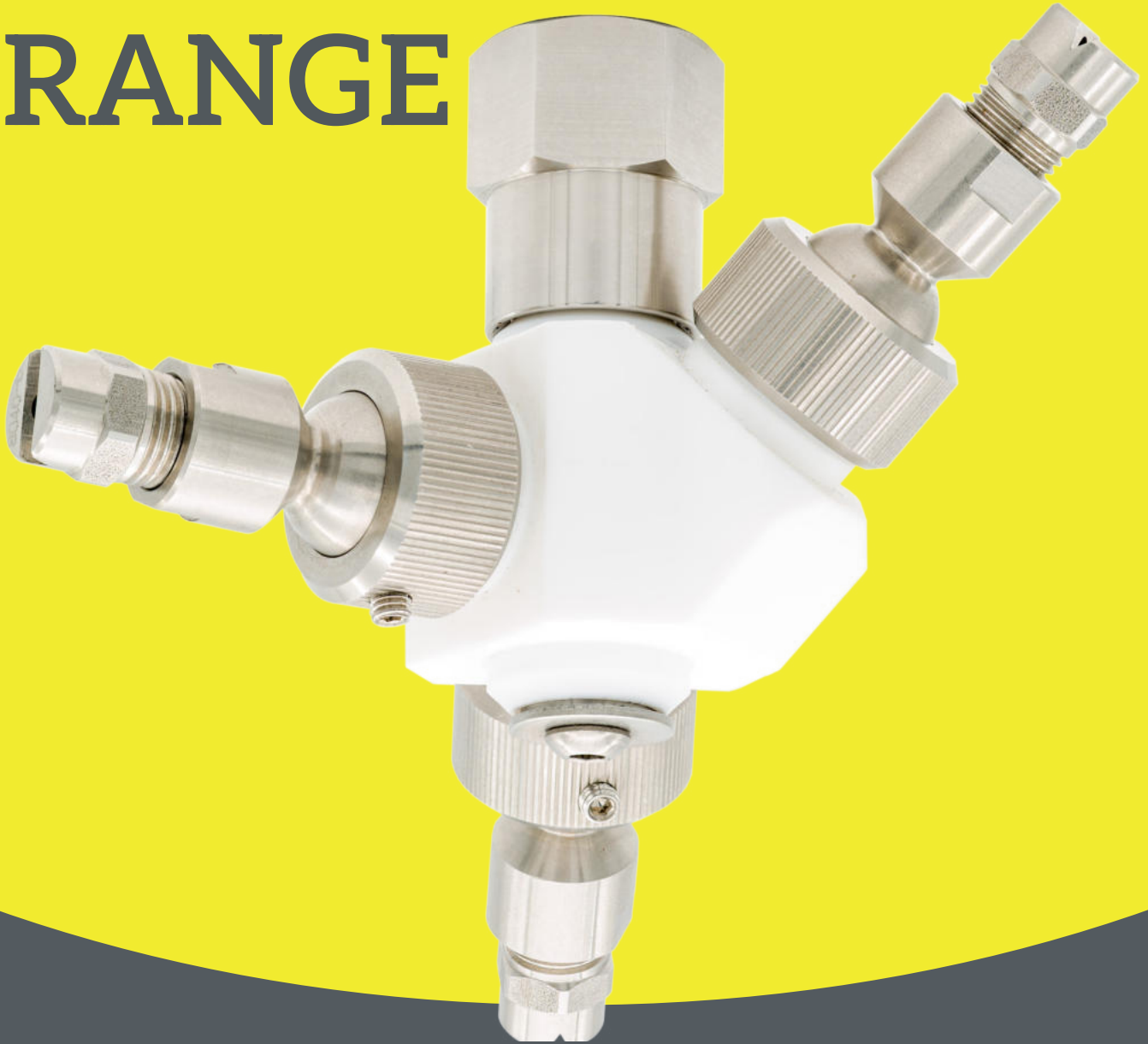




GYRAFLEX RANGE



- ✓ SAVE WATER, CHEMICALS & DOWNTIME
- ✓ CLEAN FASTER, PRODUCE FASTER
- ✓ CUSTOMIZABLE NOZZLES
- ✓ SELF-CLEANING, NO SEALS

INTRODUCTION

At ANRO Spray Solutions, innovation and reliability go hand in hand. For decades, we have been developing and supplying advanced spray technology that ensures efficiency, durability, and consistent performance across industries such as food, beverage, dairy, and chemicals.

In this brochure, we proudly present our core product range:

- Model Triple A
- Model V
- Model M
- Model Z
- Model T
- Model Mini Triple A
- Model Mini V
- Model Mini M

Each model has been designed with precision engineering and built to meet the highest standards of hygiene, reliability, and efficiency. Whether you need a high-performance nozzle for demanding processes or a compact solution for specialized applications, our product line offers the right fit for your needs.


For more detailed specifications, technical documentation, and additional models, please visit our website:

www.anro.eu

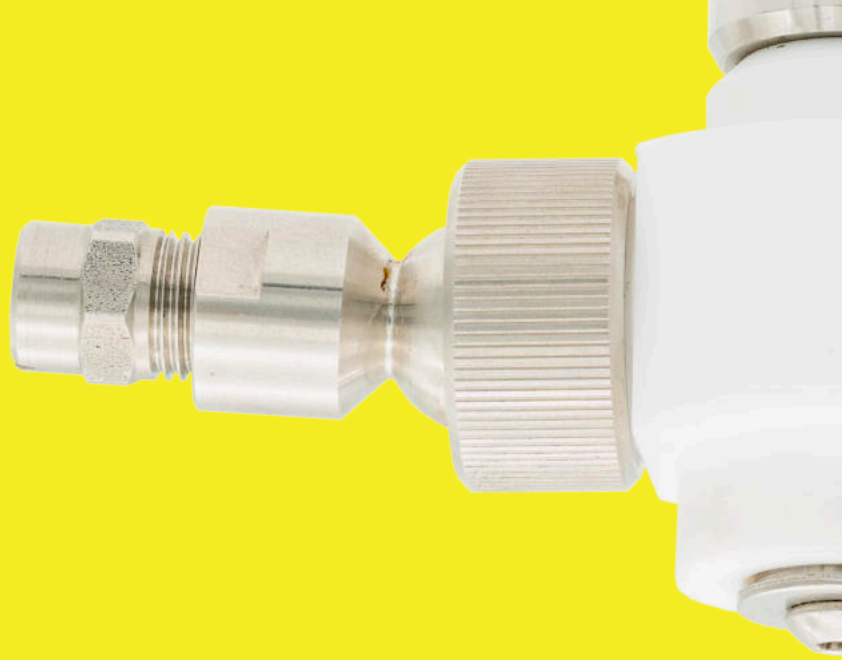
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OUR GYRAFLEX SOLUTIONS

The GyraFlex is available in nine models: each with specific spray angles, capacity, and other technical applications.

All versions are compatible with standard $\frac{1}{4}$ " or $\frac{1}{8}$ " flat spray nozzles and built with corrosion-resistant materials. The GyraFlex operates without seals, making it suitable for most high-temperature and chemical-resistant applications.

Its innovative rotating head uses the energy of the spray medium to achieve consistent, powerful cleaning even at low pressures or with foaming agents. GyraFlex units are highly flexible: spray direction, angle and rotation speed are

fully adjustable. The self-lubricating head is resistant to clogging and chemical wear, making it ideal for challenging environments.

These rotating nozzles are particularly suitable for CIP-systems and are commonly used in filling lines in the dairy and beverage industry, freezers, tanks, and ovens.

In the overview below you find a summary of technical specifications of all our models followed by the specific product pages.



Ideal for
CIP-Systems



Dairy & beverage
industry




Pharmaceutical
industry



Chemical
industry

OVERVIEW TECHNICAL DATA

	Triple A	V	M	Z	T	W	Mini M	Mini Triple A	Mini V
Pressure (bar)	2-20								
Temperature	Min: 2°C - Max: 200°C								
Materials	PTFE body with stainless steel 316 components								
Angle guide	<5 bar: 80° >5 bar: 65°	<5 bar: 95° >5 bar: 80°	<5 bar: 95° >5 bar: 80°	<5 bar: 95° >5 bar: 80°	<5 bar: 80° >5 bar: 65°	<5 bar: 80° >5 bar: 65°	<5 bar: 95° >5 bar: 80°	<5 bar: 80° >5 bar: 65°	<5 bar: 95° >5 bar: 80°
Cleaning	360°	180° downward	180° upward	270° upward or downward	Adjustable nozzles (90°) full rotation via liquid motion	360°	180° upward	360°	180° downward
Clearance (mm)	115-160	105-160	105-160	105-160	135-150	105-160	75-105	85-100	75-105
Spray Coverage (m)	6 wide 1.5 high	6 wide 1.5 high	6 wide 1.5 high	6 wide 1.5 high	6 wide 1.5 high	6 wide 1.5 high	3 wide 1 high	3 wide 1 high	3 wide 1 high
Compatibility	Model W	Model W	Model W	Model W	Model W	All Models	n/a	n/a	n/a
	¼" flat spray nozzles*	¼" flat spray nozzles*	¼" flat spray nozzles*	¼" flat spray nozzles*	All standard flat spray nozzles	¼" flat spray nozzles*	½" flat spray nozzles*	½" flat spray nozzles*	½" flat spray nozzles*
Industry	Food & beverage, CIP installations, large tanks/ vessels	Food & beverage, CIP installations, tank cleaning	Food & beverage, CIP installations, tank cleaning	Tank cleaning, CIP installations, Food (spiral freezers)	Dairy, beverage, CIP installations	Food & beverage, CIP installations, deep tanks / large industrial vessels	Food & beverage, Pharma, CIP installations, small tank cleaning	Food & beverage, CIP installations, tank cleaning up to 2m diameter	Food & beverage, Pharma, CIP installations, tank cleaning

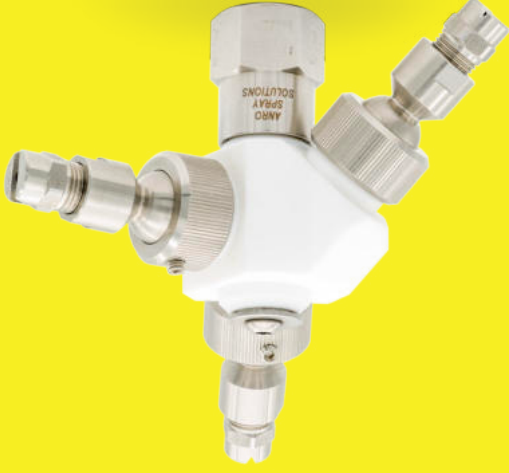

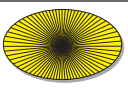




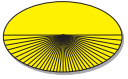
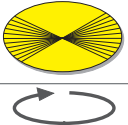
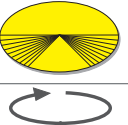
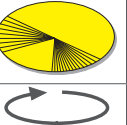
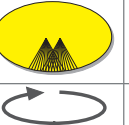
MODEL V & MODEL V MINI

ANRO SPRAY SOLUTIONS




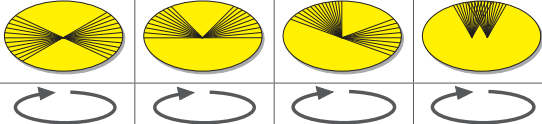






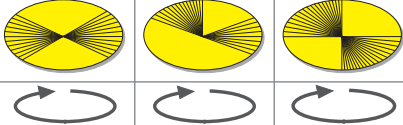
GYRAFLEX

	<h2>MODEL TRIPLE A</h2>		
	<p><i>Spray pattern:</i> Optimized for 360° cleaning</p>		
	<ul style="list-style-type: none"> • No internal parts or seals; high reliability, low maintenance 		
	<ul style="list-style-type: none"> • Controlled rotation; consistent, efficient cleaning 		
	<ul style="list-style-type: none"> • 3 adjustable nozzles (vertical, 45° up, 45° down); 360° coverage 		
	<ul style="list-style-type: none"> • Ideal for large tanks (up to 3 m diameter) 		
	<ul style="list-style-type: none"> • Great for full-coverage cleaning with foam or water 		
	<ul style="list-style-type: none"> • Our best-selling model 		
	<ul style="list-style-type: none"> • Widely used in tunnel freezers within the potato industry 		
	<ul style="list-style-type: none"> • Long lifetime and reliable performance in demanding environments 		
			
<p>360° round</p>			

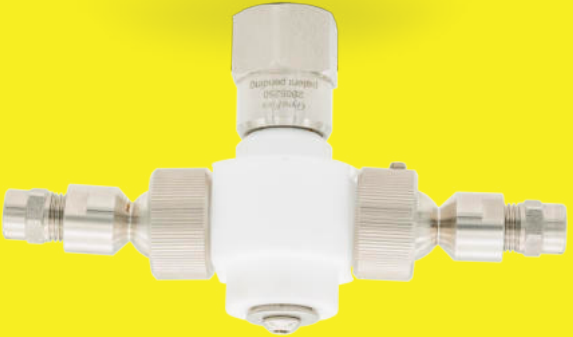










	<h2>MODEL V</h2>					
	<p><i>Spray pattern:</i> Optimized for 180° downward cleaning</p>					
	<ul style="list-style-type: none"> • No internal parts or seals; high reliability, low maintenance 					
	<ul style="list-style-type: none"> • Two flat spray nozzles at 45° downward, each adjustable by 90° 					
	<ul style="list-style-type: none"> • High-impact cleaning with foam or water 					
	<ul style="list-style-type: none"> • Constant rotation due to reactive force 					
	<ul style="list-style-type: none"> • Covers 180° area below the spray head; ideal for tank bottoms 					
	<ul style="list-style-type: none"> • Works effectively under both high and low pressure 					
						
<p>180° downward</p>						

- ✓ GyraFlex is compatible with all 1/4 thread nozzles
- ✓ GyraFlex Mini is compatible with all 1/8 thread nozzles
- ✓ Clean with foam and/or water

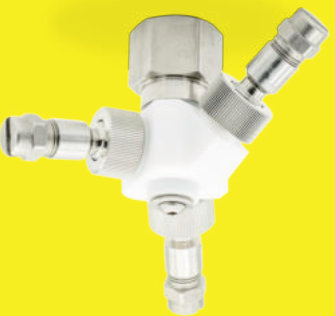


	MODEL M		
	<i>Spray pattern:</i> Optimized for 180° upward cleaning		
		<ul style="list-style-type: none"> • No internal parts or seals; high reliability, low maintenance • Spray direction: 180° upward, ideal for tank domes or ceilings • Constant rotation due to reaction force of two flat spray nozzles • Adjustable positioning for tailored coverage • Efficient cleaning with reduced water and chemical usage • Works effectively under both high and low pressure • Combines with Model W for more coverage or multi-directional cleaning 	
			
180° upward			

	MODEL Z		
	<i>Spray pattern:</i> Optimized for 270° upward or downward cleaning		
		<ul style="list-style-type: none"> • No internal parts or seals; high reliability, low maintenance • Two flat spray nozzles angled 45° up and down • Each nozzle adjustable with 2 x 110° nozzles • 270° coverage with 2 x 65° nozzles • Constant rotation due to reaction force • Foam spraying fully supported • Ideal for spiral freezers; niche application advantage • Efficient and versatile at low pressure and minimal resources 	
			
270° upward	270° downward		




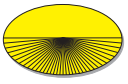
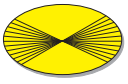
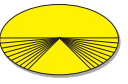






GYRAFLEX













	MODEL T					
	<i>Spray pattern:</i> Vertical opposing jets					
	<ul style="list-style-type: none"> • No internal parts or seals; high reliability, low maintenance • Nozzles spray in opposite directions; effective multi-surface cleaning • Suitable for flat spray or full cone nozzles • Adjustable 90° angle per nozzle; customized coverage • Lower consumption of water/chemicals compared to conventional rotary nozzles • Effective at both low and high pressure settings • Suitable for foam cleaning as well as water • Effective for surfaces that cannot be cleaned with standard nozzles • Designed to clean top, bottom and side surfaces at once 					
						
	Vertical opposing jets					

GYRAFLEX MINI

 <div style="position: absolute; bottom: 10px; right: 10px; background-color: black; color: yellow; border-radius: 50%; padding: 5px; text-align: center;">MINI</div>	MODEL MINI TRIPLE A				
	<i>Spray pattern:</i> Optimized for 360° cleaning				
	<ul style="list-style-type: none"> • Compact 3-nozzle design for full 360° spray in a small unit • One nozzle sprays up at 45°, one down at 45°, and one vertically • Each nozzle adjusts 90° for precise targeting • Fits 1/8" flat spray nozzles for precision, compact setups • Maintains constant rotation with minimal resources • Passes through openings as small as 85 mm • Suitable for tanks up to 2 m in diameter • Works with foam or water • Operates reliably at low pressure with reduced water and chemicals 				
					
	360° round				

- ✓ GyraFlex is compatible with all 1/4 thread nozzles
- ✓ GyraFlex Mini is compatible with all 1/8 thread nozzles
- ✓ Clean with foam and/or water

 	MODEL MINI V				
	<i>Spray pattern: 180° downward</i>				
	<ul style="list-style-type: none"> • Compact design fits tight spaces (75 mm clearance) • Dual 45° nozzles, adjustable 90° for custom coverage • Constant rotation from nozzle reaction force, no internal parts • Fits 1/8" flat spray nozzles for small applications • Efficient at low pressure, reduces water and chemical use • Handles foam or liquid for CIP cleaning • 3 m × 1 m spray reach • Ideal for small tanks, vessels, and precise 180° cleaning 				
					
180° downward					

 	MODEL MINI M				
	<i>Spray pattern: 180° upward</i>				
	<ul style="list-style-type: none"> • Liquid-driven rotation with no internal parts for low maintenance • Compact design fits openings as small as 75 mm • Ideal for small tanks and tight spaces • Constant rotation from flat spray nozzle reaction force • Fully adjustable spray angles for optimal coverage • Uses 1/8" flat spray nozzles for precision cleaning • 180° upward spray, ideal for domed or upper tank surfaces • Compatible with foam and water cleaning agents • Efficient low-pressure operation with reduced water and chemicals • Two flat spray nozzles angled upward 				
					
180° upward					



CASE STUDY

ANRO SPRAY SOLUTIONS

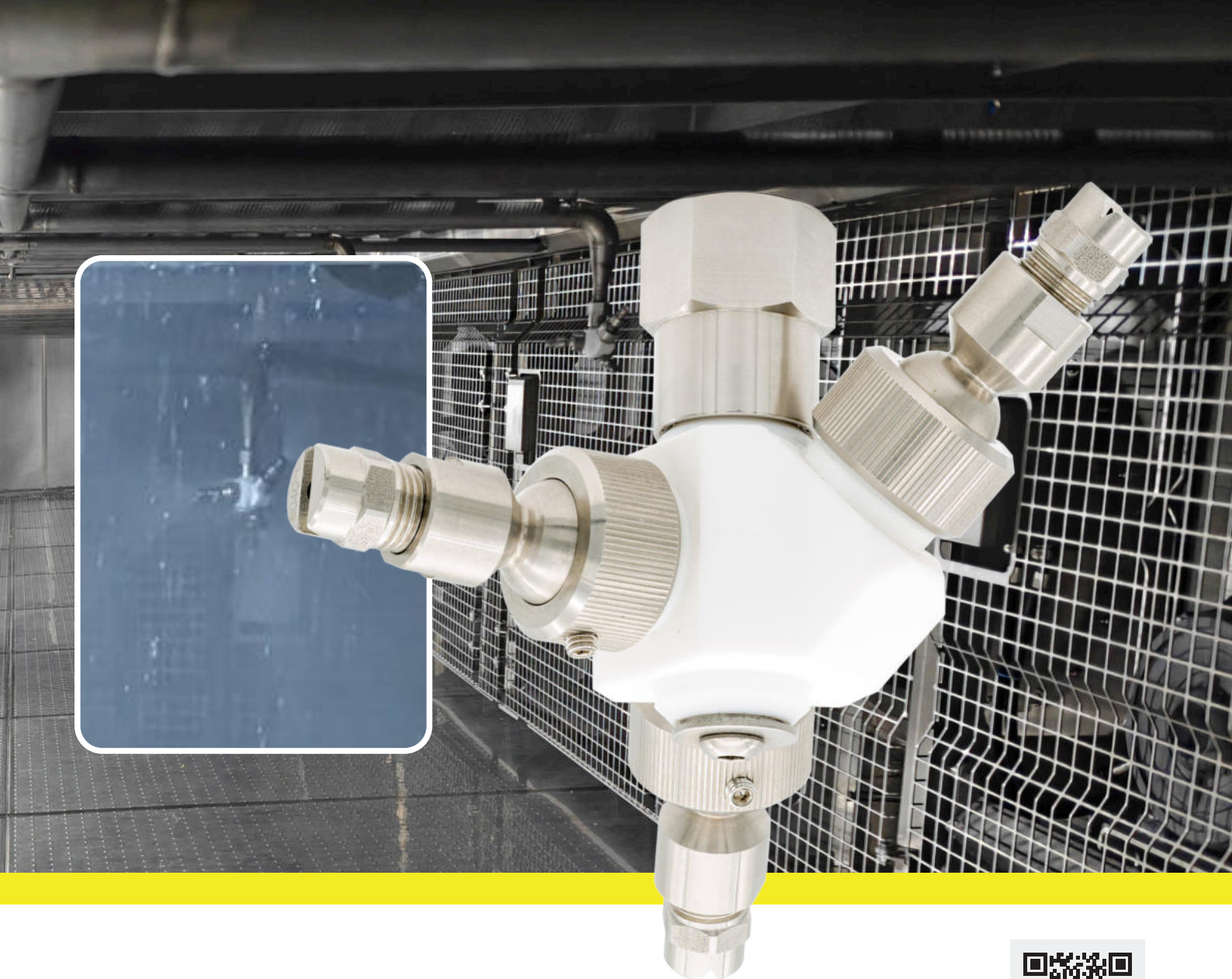
Full Ceiling Coverage with a Simple Nozzle Adjustment

At ANRO Spray Solutions, we focus on smart, effective cleaning technology. During a recent visit to a customer in the food processing industry, we discovered that even a well-designed CIP system with rotating spray heads doesn't always deliver the expected results—unless everything is perfectly configured.

In one production room, Gyraflex rotating nozzles were installed in two rows along the sides of the rectangular space, close to the ceiling. Each nozzle sprayed downward, sideways, and straight up. Yet despite this setup, the center of the ceiling

remained dirty. Our analysis revealed the causes: the upward spray narrowly missed the central area, the spray patterns did not overlap properly, and the nozzles rotated too fast, producing mist rather than impact-driven droplets.

For industrial cleaning professionals, this is a common challenge: effective coverage depends not only on the nozzle type but also on precise placement and settings.



The solution was both simple and cost-efficient. By adjusting the spray angle with an extension piece, increasing the nozzle flow rate, and slowing the rotation speed to form proper droplets, the system suddenly reached the entire ceiling—including the previously untouched center. No additional nozzles were needed, and full coverage was achieved.

Curious to see how Gyraflex could improve your cleaning process? Contact our specialists and discover the difference for yourself.

Scan the QR code to watch the video

See firsthand how a few small adjustments to the nozzle configuration transformed the cleaning results.

The video clearly shows the original setup at the back of the room and the improved configuration at the front, with the nozzle aimed directly at the ceiling. Pay close attention to the center of the ceiling—the coverage is now even and completely clean.



ABOUT US

ANRO Spray Solutions is your trusted specialist in industrial nozzles and accessories. Founded in 1999 and operating under the ANRO name since 2004, we combine over 40 years of experience with a passion for innovation to deliver high-performance, durable, and efficient spray solutions.


Our extensive product range includes high- and low-pressure nozzles, spray dryers, and our patented GyraFlex rotary nozzles. With over 10,000 different products and the ability to provide fully customized solutions, we serve industries such as food, beverage, dairy, and chemicals worldwide.

From our base in Hillegom, the Netherlands, we offer expert guidance, fast delivery, and tailored solutions that meet the highest demands for efficiency, reliability, and hygiene. We focus on innovation that improves product quality and reduces operational costs for our clients.

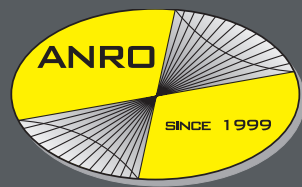
For personalized advice or questions about our products and solutions, our dedicated team is ready to assist you. Erik Sanders and Quinten Minck are your points of contact and will ensure you receive expert guidance tailored to your needs.

Discover how ANRO Spray Solutions can enhance your processes, optimize performance, and deliver lasting results.

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