

REFRIGERATED AIR DRYERS AR SERIES CATALOG

Crafting Tailored Air & Gas Solutions

Welcome to TRYCOMP's Refrigerated Air Dryer Series, where precision meets practicality in managing compressed air. Dive into an array of smart solutions meticulously designed to transform your air systems effortlessly.

At TRYCOMP[®], our Refrigerated Air Dryers embody our commitment, delivering more than just reliability—they offer a seamless blend of performance efficiency and cost saving.



Experience elevated air quality with our thoughtfully engineered dryers, crafted to safeguard your equipment, enhance productivity and champion environmental sustainability. With expertise and cutting-edge technology, our dryers ensure that each breath of air your machinery takes is clean, dry, and optimally conditioned.

Discover a world where precision and performance meet. Explore how TRYCOMP's Refrigerated Air Dryers redefine air management excellence.

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Why invest in Air Dryers?

Compressed air is crucial for many industries, where it needs to be clean and dry. If not, it can harm the equipment and products. The presence of moisture, a key element in untreated air, can lead to corrosive effects on pipelines, damage to machines and equipment, and spoil products. That's why using an air dryer is so important. It helps protect your systems and keeps your processes running smoothly.

Reducing moisture risks

When we compress air, it holds more water. For instance, squeezing room air can make it 8 times more humid. This creates water that can damage things. Compressed air can harbor three forms of water: liquid, aerosol (mist), and vapor (gas). Efficiently extracting water from compressed air stands as a vital necessity. Moisture within compressed air can potentially lead to various issues, including:

- ⊗ Corrosion in compressed air pipelines.
- ⊗ Impairment or malfunctioning of air-powered equipment.
- ⊗ Leakages in compressed air due to corroded pipes.
- ⊗ Compromised paint quality and electrostatic painting processes.
- ⊗ Degradation in the quality of the final product.

TRYCOMP[®] Refrigerated Air Dryers transform everyday operations across diverse sectors. From preserving equipment integrity to enhancing product quality and reducing downtime, explore the comprehensive benefits these dryers bring to operational efficiency.

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MODEL	CAPACITY		CONNECTION	POWER V/Hz	MAX. PRESSURE bar	GAS	WEIGHT kg	DIMENSIONS LxWxH (mm)
	m3/min	m3/h						
AR 12	1,2	72	1/2"	220 V - 50 Hz	13 Bar	R 134a	38	380 x 453 x 590
AR 16	1,6	96	3/4"	220 V - 50 Hz	13 Bar	R 134a	40	380 x 453 x 590
AR 22 *	2,6	156	3/4"	220 V - 50 Hz	13 Bar	R 134a	45	380 x 453 x 590
AR 30	3	180	1"	220 V - 50 Hz	13 Bar	R 134a	65	450 x 470 x 715
AR 38	3,8	228	1"	220 V - 50 Hz	13 Bar	R 134a	70	450 x 470 x 715
AR 45	4,5	270	1 1/2"	220 V - 50 Hz	13 Bar	R 134a	80	470 x 550 x 815
AR 60	6,6	396	1 1/2"	220 V - 50 Hz	13 Bar	R 134a	90	470 x 550 x 815
AR 85	8,5	510	2"	380 V - 50 Hz	13 Bar	R 404a	150	700 x 900 x 1015
AR 105	10,5	630	2"	380 V - 50 Hz	13 Bar	R 404a	175	700 x 900 x 1015
AR 120	12	720	2"	380 V - 50 Hz	13 Bar	R 404a	200	700 x 900 x 1015
AR 165	16,5	990	2 1/2"	380 V - 50 Hz	13 Bar	R 407c	300	800 x 1300 x 1240
AR 200	20	1200	DN 80	380 V - 50 Hz	13 Bar	R 407c	350	800 x 1950 x 1250
AR 250	25,5	1530	DN 80	380 V - 50 Hz	13 Bar	R 407c	450	800 x 1950 x 1250
AR 300	30	1800	DN 100	380 V - 50 Hz	13 Bar	R 407c	500	900 x 1950 x 1250
AR 400	40	2400	DN 100	380 V - 50 Hz	13 Bar	R 407c	550	950 x 2000 x 1360
AR 500	50	3000	DN 100	380 V - 50 Hz	13 Bar	R 407c	600	1000 x 2100 x 1360

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Why Choose Our AR Dryers?

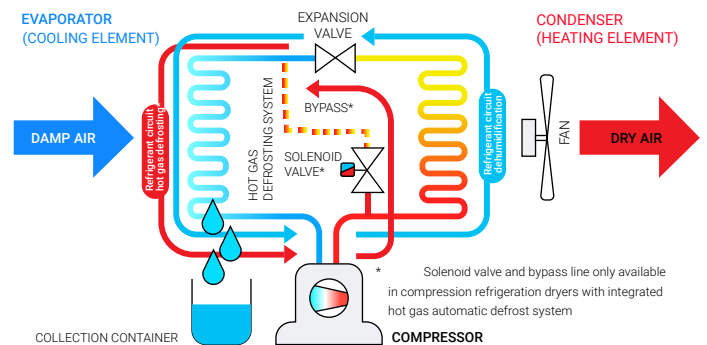
Our TRYCOMP[®] refrigerated air dryers boast cutting-edge technology aimed at providing superior compressed air quality. Explore the advanced features that set our AR dryers apart:

Advanced Cooling System

Our AR dryers utilize advanced cooling mechanisms to effectively eliminate moisture, safeguarding your compressed air system against potential issues caused by water.

Efficient Moisture Elimination

Featuring powerful moisture removal mechanisms, our AR dryers maintain excellent air quality, preventing equipment damage and ensuring consistent performance.



Intelligent Control Systems

Equipped with smart controls, our AR dryers are user-friendly, making monitoring and maintenance hassle-free. These controls ensure easy management of your air system.

Energy Efficiency

The internal pressure drop within a refrigerated dryer signifies the variance between the compressed air pressure at its inlet and outlet pipes.

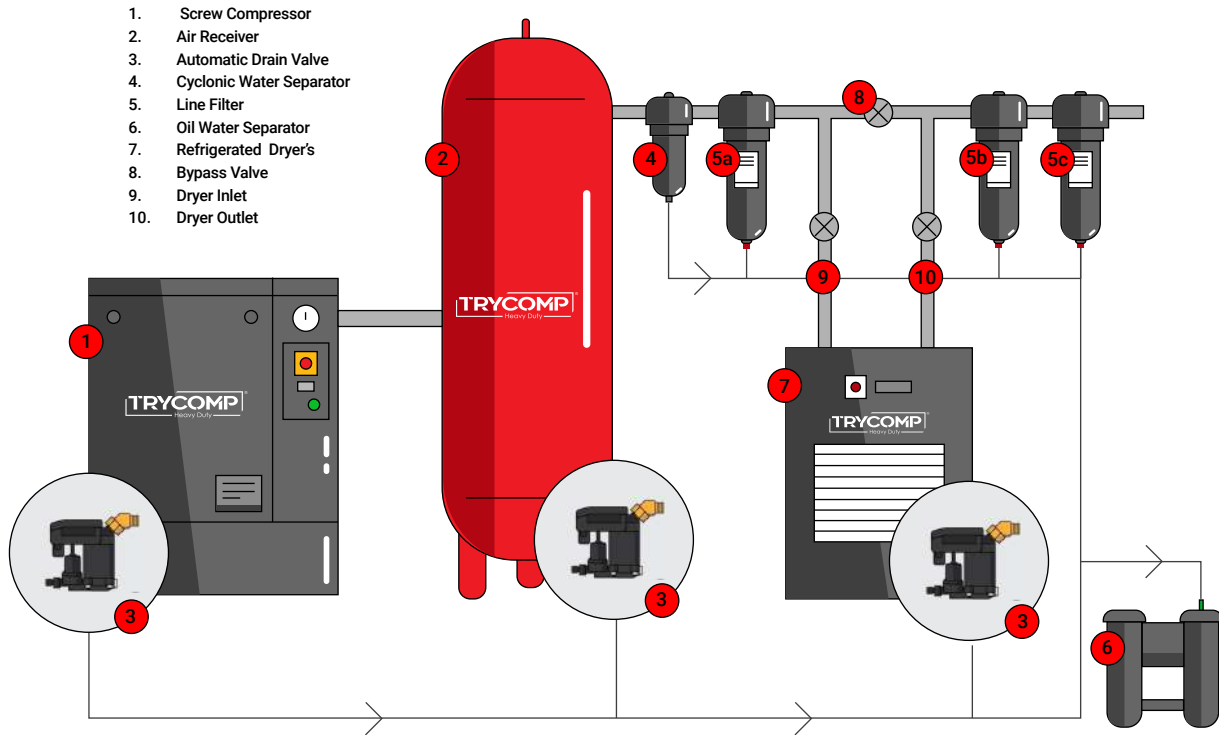
By reducing the internal pressure drop within our AR dryers, we effectively lower the pressure requirements from the air compressor. This results in decreased energy consumption by the compressor, thus enhancing overall energy efficiency.

Environmentally Responsible Design

Our AR dryers strictly adhere to ISO 14001 standards and the Montreal Protocol, utilizing CFC-free refrigerants (R134A, R404A, R407C). These eco-friendly refrigerants are chosen to prevent harm to the ozone layer, boasting an ozone depletion potential (ODP) of zero.

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Installation examples and scenarios



Industrial Applications

Our AR dryers are essential in numerous industries, preserving machinery integrity and maintaining consistent performance. From heavy manufacturing, automotive, aerospace, and metal fabrication to precision operations in electronics, pharmaceuticals, healthcare, and textile manufacturing, these dryers safeguard tools, CNC machines, and final product quality against moisture-related issues.

Commercial Uses

Our AR dryers significantly impact commercial environments where air quality is crucial. TRYCOMP[®] AR dryers are integral in food processing, beverage production, automotive facilities, printing presses, and pharmaceutical laboratories. They enhance product quality, elevate productivity, and ensure superior air-driven operations.



Crafting Tailored Air & Gas Solutions

Your vision is our commitment.

Reach out to us today, to explore the great possibilities.

A brand by **ARNIKA**
—COMPANY—

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