FPS AIR COMPRESSORS

FNA UK by Belair family

PDX SERIES

EXPERIENCE PREMIUM QUALITY COMPRESSED AIR

Innovative dryer with integrated filters

0.7m3/min - 47.5 m3/min
24 CFM - 1677 CFM





Experience Premium Quality
Compressed Air

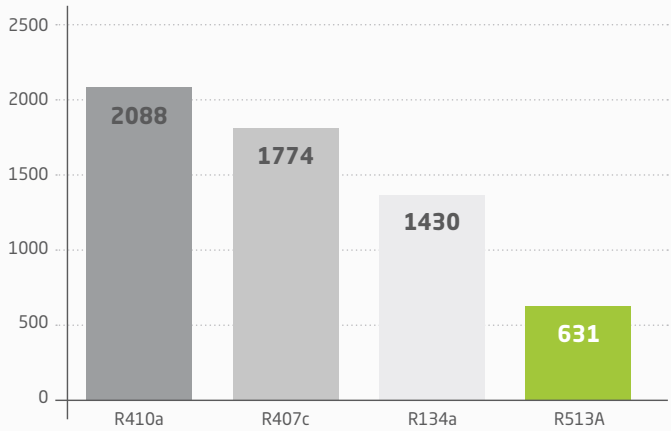
Imagine a revolutionary, comprehensive air treatment system that stands alone in its ability to deliver ISO 8573-1:2010 Class 1.4.1 quality air—independently, efficiently, and cost-effectively. This is no longer just a dream; it's a reality. Designed to boost productivity and ensure absolute air purity, our system offers unmatched reliability and precision, transforming the way you manage air quality with exceptional ease and performance.

Engineered for energy efficiency and high performance, our innovative dryer with integrated filters delivers outstanding results across all operating conditions and air qualities, consistently providing immaculate Class 1.4.1 air. Now, you no longer have to choose between superior performance and energy efficiency. Since pressure drop is a leading cause of energy consumption in compressed air systems, we've designed this dryer to significantly minimize pressure losses, delivering substantial energy savings. This revolutionary approach not only boosts your operational efficiency but also provides tangible benefits, ensuring your compressed air system operates at peak performance while reducing energy costs. Experience unmatched air quality and operational excellence without compromise.



A unique refrigerant
For all models

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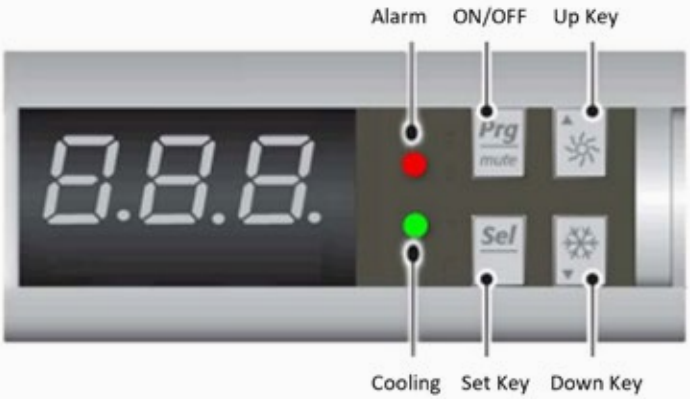
A cutting-edge high-performance
heat exchanger designed for maximum efficiency

Our state-of-the-art stainless steel heat exchanger features a unique three-section design for exceptional efficiency. The first section acts as an air-to-air exchanger, pre-cooling moist, saturated air as it enters. Next, the air-to-refrigerant exchanger cools the compressed air to a precise +3°C, effectively removing moisture through an integrated separator. Developed in collaboration with one of the world's leading heat exchanger manufacturers, this patented design delivers efficient cooling across a wide range of air conditions and ambient temperatures, while minimizing airflow resistance and maintaining an impressively low pressure drop.



Controller

Each unit is equipped with an advanced parametric controller that ensures optimal performance over time and efficiently manages any anomalies through an integrated alarm system. This innovative feature guarantees the unit's longevity while maximizing operational efficiency. Additionally, the controller's smart alarms alert users when the upstream and downstream filters are saturated and need replacement, ensuring continuous, top-quality performance.



Refrigerant Circuit

Engineered for Reliability, Safety, and Uncompromised Performance

Our refrigerant circuit is built to excel even under the harshest operating conditions:

BlueFin®-coated condenser coil – Corrosion-resistant coating protects against aggressive environments, extending coil life and ensuring consistent heat transfer performance.

Wide operating range – Validated for compressed air inlet temperatures up to 65°C and ambient air temperatures up to 50°C, delivering reliable operation across demanding industrial conditions.

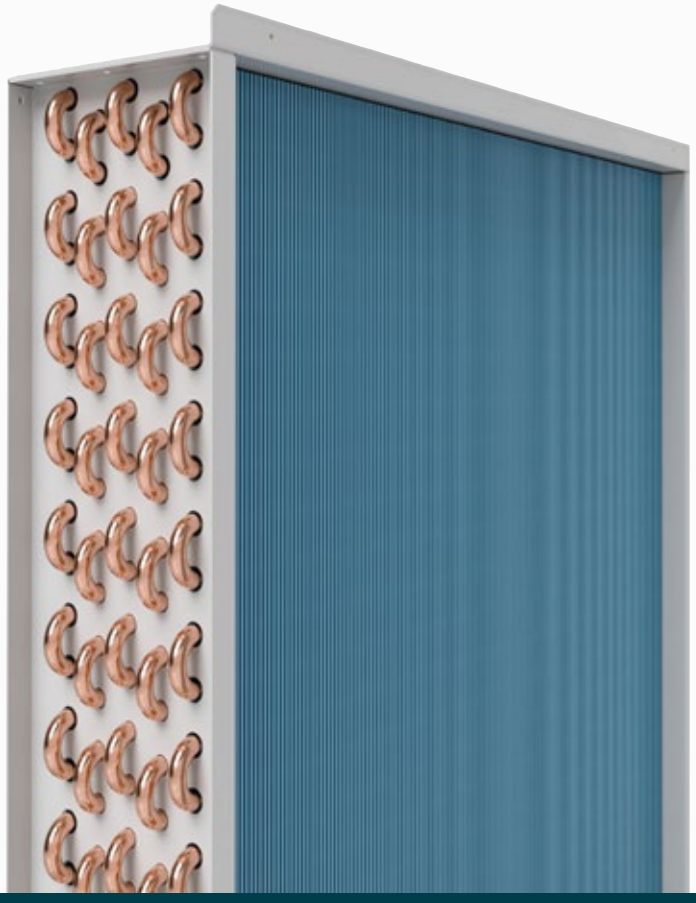
Ducted condenser design – Airflow is fully ducted to prevent high-pressure safety trips when service panels are removed, enabling tool-free maintenance without stopping the unit and minimizing downtime.

Precision pressure control – An adjustable constant pressure valve on the evaporation side maintains stable evaporating pressure, guaranteeing consistent dew point and air quality with no compromise.

Comprehensive safety system – Equipped with a high-pressure safety switch and fan pressure switch (FP) that accurately controls fan on/off cycles and manages condensing pressure for optimal efficiency and protection.

Service-ready design – Schrader valves are strategically positioned for quick, easy service and maintenance without special tools.

Result: A hermetically sealed, ultra-reliable refrigerant circuit that delivers continuous, high-performance cooling, maximum uptime, and peace of mind, even in the most challenging environments.







Compressed Air Filtration

Intelligent, Integrated, and Maintenance-Free

Our dryer delivers superior air purity with a dual-stage filtration system designed for maximum efficiency and zero guesswork:

Micronic filter at the inlet – Captures larger particles and bulk moisture right at the entry point.

Sub-micronic filter at the outlet – Removes fine particles and aerosols down to sub-micron levels, ensuring Class 1.4.1 air quality.

Integrated time-based drain valve – Both filters connect to an automatic drain valve, efficiently removing condensate without manual intervention.

Fully controller-managed cycling – Drain cycling time is directly programmed and adjusted from the advanced parametric controller for optimal performance.

Smart pre-alarm and alarm system – The controller monitors filter life and triggers a pre-alarm, followed by a full alarm 2,000 hours later (both intervals are adjustable), clearly informing the operator when to replace the filter element.

No manual checks required – Unlike traditional systems, there's no need to open panels or check differential pressure gauges. Everything is monitored and displayed from the controller.

Continuous operation – Alarms notify you but do not stop the dryer, ensuring uninterrupted production while giving you ample time to schedule maintenance.

Result: Hassle-free filtration with exact replacement timing, zero unplanned downtime, and guaranteed air quality, all managed intelligently from one central controller.





PDX Technical specifications

	Nominal Flow			Connection	Power Supply	Dimensions (mm)			Weight
MODEL	m^3/h	m^3/min	cfm	BSPP	V/Ph/Hz	W	L	H	kg
COMBI-DRY 0040	40	0.7	24	¾''	230/1/50	620	320	580	38
COMBI-DRY 0090	90	1.5	53	¾''	230/1/50	620	320	580	42
COMBI-DRY 0125	125	2.1	74	1"	230/1/50	620	320	580	45
COMBI-DRY 0165	165	2.8	97	1"	230/1/50	620	320	580	55
COMBI-DRY 0230	230	3.8	135	1"	230/1/50	930	500	820	75
COMBI-DRY 0340	340	5.7	200	1½'	230/1/50	930	500	820	80
COMBI-DRY 0450	4502	7.5	265	1½'	230/1/50	930	500	820	82
COMBI-DRY 0600	600	10	353	1½'	230/1/50	930	500	820	85
COMBI-DRY 0750	750	12.5	441	2"	230/1/50	1025	616	840	100
COMBI-DRY 0900	900	15	530	2"	230/1/50	1025	616	840	105
COMBI-DRY 1050	1050	17.5	618	2"	230/1/50	1025	616	840	115

Specifications

Unit operating limits Ambient temperatures from +5ºC to + 50ºC - pressure 4 bar to 16 bar

Design conditions Ambient temperatures +35ºC, inlet air temperatures +45ºC, pressure dew point +4ºC, 7 bar (g)

Refrigerant type R513a (low GWP refrigerant 631) Or R134a (mid GWP refrigerant 1430)

Maximum dryer air flow = dryer air flow x K1 x K2 x K3 x K4

Correction factors																
K1	**Air pressure**	(barg)	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Correction factor	(K1)	0.57	0.72	0.82	0.92	1	1.06	1.08	1.12	1.14	1.17	1.2	1.22	1.24	1.26
K2	**Ambient air**	(ºC)	20	25	30	35	40	45	50							
	Correction factor	(K2)	1.04	1	0.96	0.90	0.84	0.78	0.72							
K3	**Compressed air temp**	(ºC)	30	35	40	45	50	55	60	65						
	Correction factor	(K3)	1.18	1	0.85	0.7	0.61	0.56	0.49	0.43						
K4	**Pressure dew point**	(ºC)	3	4	5	6	7	8	9	10						
	Correction factor	(K4)	1	1.03	1.07	1.16	1.19	1.22	1.24	1.27						



NEW

Global Accessories Price List 2026



NEW

NUAIR COMPRESSORS
THE WIND OF CHANGE.

NB4-PRO/200-4FT

4HP, Three Phase, Stationary
(single phase also available)



NEW

POWER SYSTEM
AIR COMPRESSORS
NOT JUST AIR.

SILBOX-PRO Silent Line

1.5 - 7.5 kW



NEW

POWER SYSTEM
AIR COMPRESSORS
NOT JUST AIR.

G-TEC 16 & G-TEC 22

15 Bar available
Range: 15 & 22kW



NEW

Fini
COMPRESSED AIR SINCE 1952.

CUBE Series - 200 ltr receivers

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