

BD Dehydrator Series and Accessories

A complete portfolio to offer pressurization solutions to transmission lines and antennas in Telecom, Broadcasting and Radar applications.



BD dehydrator series remove the moisture from damp ambient air to deliver a reliable, constant, on-demand source of dry and pressurized air, which is critical to prevent the Telecom, Broadcasting and Radar systems from performance and reliability degradation caused by condensation.

BD dehydrators employ a fully digital operating platform offering the most accurate readings of operating variables, either from the front panel or by a remote IP connection.

BD Series consist of dehydrators with various flow capacities and necessary accessories for versatile mounting, easy connection to the waveguides, air cables and antennas, and maintaining high efficiency and reliability of the dehydrators.

Product family includes:

- BD210WLP Series, Capacity up to 200 SCFD (236L/h)
- BD550W Series, Capacity up to 550 SCFD (649L/h)
- BD1500W Series, Capacity up to 1500 SCFD (1770L/h)
- BD4200W Series, Capacity up to 4200 SCFD (4955L/h)
- BD8400W Series, Capacity up to 8400 SCFD (9911L/h)
- Accessories, Include installation kits, air line / manifold / panel kits and maintenance kits

BD Dehydrator Benefits

- **Full range of dehydrators and accessories** with flow capacity to handle customer needs in various applications
- Available in both **standard output pressure and low-pressure models** to meet different system requirements
- All models are **fully loaded of features and functions**, no hidden costs
- All models include **remote access via Web Browser or SNMP**, reduce Opex
- All models utilize an **On-Demand Dry-Air Storage Tank** to provide quality clean-dry-air and Ultra-Quiet Operation
- Expected **lifecycle of up to 10 years** with proper preventative maintenance, minimize TCO
- **Made in the USA**, lower transportation costs and shorter lead times
- **2-Year Warranty**

Pressurization Solutions

BD Dehydrators Series and Accessories

BD Dehydrator Models and Descriptions

Series Name	Applications	Model Name	Description
BD210WLP [1]	Telecom/Radar Waveguides and Antennas	BD210WLP	110-125VAC 50/60HZ DEHYDRATOR, 0.3-7.5 PSIG
		BD210WLP-V	110-125VAC 50/60HZ VERTICAL WALL MOUNTED DEHYDRATOR, 0.3-7.5 PSIG
BD550W [1]	Telecom/Radar Waveguides and Antennas & Broadcasting Air Cables and Antennas	BD550W	110-125VAC 50/60HZ DEHYDRATOR, 2-15 PSIG
		BD550WLP	110-125VAC 50/60HZ LOW PRESSURE DEHYDRATOR, 0.3-7.5 PSIG
BD1500W [1]	Broadcasting Site with Long and Multiple Air Cables and Antennas	BD1500W	110-125VAC 50/60HZ DEHYDRATOR, 2-15 PSIG
		BD1500WLP	110-125VAC 50/60HZ LOW PRESSURE DEHYDRATOR, 0.3-7.5 PSIG
BD4200W [1]	Broadcasting Site with Long and Multiple Air Cables and Antennas	BD4200W	110-125VAC 50/60HZ DEHYDRATOR, 5-20 PSIG
		BD4200WLP	110-125VAC 50/60HZ LOW PRESSURE DEHYDRATOR, 0.3-10 PSIG
BD8400W		BD8402W	208-253VAC 50/60HZ DEHYDRATOR, 0-15 PSIG

Dehydrator Accessories Ordering Guide

Model Name	Air Line Kit				Installation Kit		Maintenance Kit		
	1 Line Kit	2 Line Kit	4 Line Kit	8 Line Kit	Rack Mount	Wall Mount	6 Month [3]	1 year [3] / 8K Hour [4]	16K Hour [4]
BD210WLP	GLK-1	MLK-2 + PWM2G [2]	MLK-4 + PWM4G [2]	MLK-8 + PWM8G [2]	Included, P017703 for 2nd pair of ears	P017460	N/A, Only Inspect and Test	P017612	Use 8K Hour Kit
BD210WLP-V					N/A, only wall mountable	Vertical kit included			
BD550W					P011674	P011773	P018301	P013479	
BD550WLP							P018302	P012252	
BD1500W					N/A, Cabinet Type Unit	N/A, Cabinet Type Unit	P012314	P011471	
BD1500WLP							P011766	P011813	
BD4200W									
BD4200WLP									
BD8402W									

Note:

- 220VAC Power supply models are available upon demand.
- Manifold units with check valves are available, but not recommended for pressurizing antennas with dual feedlines.
- 6 Month or 1 Year maintenance kits are installed when the units operate for every 6 or 12 months.
- 8,000- or 16,000-hour maintenance kits are installed when the units show a TTL TIME alarm.

For details and more accessories, refer to [datasheet](#).

Place an order or request more information:

<https://info.rfstechnologies.com/contact-us>