

The KD dehydrator series is specifically engineered to pressurize elliptical waveguide, coaxial cable, rigid transmission line, and antenna systems. By utilizing dry pressurized air in the distribution system, condensation is prevented, ensuring optimal system performance.

## A COST-EFFECTIVE PRESSURIZATION SOLUTION FOR TRANSMISSION LINES AND ANTENNAS IN TELECOM, BROADCASTING AND RADAR APPLICATIONS.

KD dehydrators employ a range of technologies to cater to diverse application and budgetary requirements. Default features include low-pressure alarm, high-pressure alarm, excess-run alarm, dew point alarm (except for KD-C70 series) and event logs, as well as a unique leakage detection function that proves highly effective in resolving issues. Moreover, all models provide multiple gas outlets, allowing for the support of up to four distribution systems without the need for a manifold.

Equipped with a numeric display, control buttons, and LED indicators on the front panel, KD dehydrators allow users easily keep track of the current status, make adjustments to settings, and check alarms. Those models that have network management functionality are compatible with widely-used protocols such as SNMP, UDP and others, making integration into existing network management systems a seamless process.

Product family includes:

- KD-C70 Series, Desiccant Dehydrator, 0.71 SCFM (1200L/h)
- KD20 Series, Automatic Regeneration, 0.27 SCFM (460L/h)
- KD70 Series, Automatic Regeneration, 0.78 SCFM (1300L/h)
- KD-M20 Series, Membrane Dehydrator, 0.26 SCFM (440L/h)



KD20/KD20S

KD-M20/KD-M20S



KD70/KD70S



KD-C70

## FEATURES / BENEFITS

- **Every Model** comes equipped with fully loaded features and functions, **no hidden costs**
- **Reduce the total cost of ownership (TCO)** by providing units that come with four gas outlets (two for KD20 series), along with necessary fittings and tubing
- Factory programmed for a “Plug and Play” setup on the site, **significantly decreasing installation time**
- Operate effectively in a wide temperature range, **functioning in cold conditions** as low as -13F° (-25C°)
- **Compact and lightweight, versatile mounting options**
- KD-C70 series features an **intuitive web browser management interface**
- SNMP models in KD and KD-M series are **compatible with widely used network management systems** using SNMP, TCP Server/Client, UDP, and Multi-cast protocols
- **Available in 110VAC, 220VAC and 48VDC power models**



## KD Dehydrator Models and Specifications

Note: Click on model numbers for detailed spec sheets

PARAMETER	UNIT	KD-C70	KD20 / KD20S	KD70 / KD70S	KD-M20 / KD-M20S
Flow Rate	SCFM (L/h)	0.71 (1200)	0.27 (460)	0.78 (1300)	0.26 (440)
Field Adjustable Output Pressure	PSIG (KPa)	0.2-7 (1-50)	0.2-7 (1-50)		0.2-14 (1-96)
Dew Point	°F (°C)	-22 (-30)	-49 (-45)		
Dehydrating Method		Static Desiccant [1]	Automatic Regeneration		Membrane
Number of Outlet		4	2	4	4
Output Fitting		Push-on quick fit for 3/8" OD tube			
Noise Level at 3ft (1m), Active	dBA	65			
Standard Alarms		Low Pressure, High Pressure, Excess Run, Dew Point (expect KD-C70), Compressor Failure (only on KD-M20)			
Log Function		Power-on Time, Number of Inflating	Power-on Time, Number of Inflating, Accumulated Inflating Time, Alarm Code, Working State, Regenerating State (except KD-M20)		
Network Management		via Web Browser	S Model: By External Systems with SNMP and other Protocols		
Operating Voltage	V	110 +/-10%, AC 50 /60 Hz [2]			
Operating Current	A	1.1	2	3.4	2.5
Max. Power Consumption	Watt	120	200	370	270
Dimensions DxWxH	in (cm)	5.9 x 12.4 x 10.8 (150 x 315 x 275)	17.1 x 19 x 3.5 (345 x 482 x 88)	11.8 x 16.9 x 11 (300 x 430 x 278)	10.2 x 16.9 x 8.6 (260 x 430 x 218)
Weight	Lbs (kg)	16.1 (7.3)	20 (9)	42 (19)	30.4 (13.8)
Mount Options		Desktop, 19" Rack & Wall		Desktop	Desktop, 19" Rack, ETSI Rack & Wall

## Recommended Maximum Lengths for Transmission Lines

CABLE MODEL	UNIT	KD-C70	KD20 / KD20S	KD70 / KD70S	KD-M20 / KD-M20S
HCA78, 7/8" Air Cables	ft (m)	77,400 (23,600)	29,500 (9,000)	83,900 (25,600)	28,200 (8,600)
HCA158, 1-5/8" Air Cables	ft (m)	18,600 (5,700)	7,200 (2,200)	20,300 (6,200)	6,800 (2,100)
HCA300, 3" Air Cables	ft (m)	8,500 (2,600)	3,200 (1,000)	9,500 (2,900)	2,900 (900)
HCA400, 4" Air Cables	ft (m)	5,200 (1,610)	2,000 (610)	5,700 (1,740)	1,900 (590)
HCA495, 5" Air Cables	ft (m)	3,180 (970)	1,210 (370)	3,440 (1,050)	1,140 (350)
HCA550, 5-1/2" Air Cables	ft (m)	1,860 (570)	720 (220)	2,030 (620)	680 (210)
HCA618, 6-1/8" Air Cables	ft (m)	1,370 (420)	520 (160)	1,470 (450)	490 (150)
EP60, 6GHz Elliptical Waveguide	ft (m)	18,300 (5,600)	6,800 (2,100)	20,000 (6,100)	6,500 (2,000)
EP65, 6/7GHz Elliptical Waveguide	ft (m)	27,200 (8,300)	10,100 (3,100)	29,500 (9,000)	9,800 (3,000)
EP78, 7/8GHz Elliptical Waveguide	ft (m)	29,100 (8,900)	11,100 (3,400)	31,800 (9,700)	10,400 (3,200)
EP105, 10/11GHz Elliptical Waveguide	ft (m)	50,800 (15,500)	19,300 (5,900)	55,100 (16,800)	18,600 (5,700)

- Note:
1. Replacing desiccant pack can be ordered by model number KD27002.
  2. 220VAC and DC power supply models are available upon demand.



Visit our website



Any Questions?  
Contact us