

Compressor Desiccator Unit

Introduction

Monitronix's CDU-143 and CDU-243 MKIII series Cable Air Pressurisation system is one of the most advanced intelligent cable air feed systems in the world, supplying clean and dry, high-quality air to cables.

Features

- High quality dry air
- High speed air feed
- Low noise
- High reliability
- Long operating life
- Remote software download
- Extensive diagnostic facilities and indications
- In-built monitoring capability using RSU technology

Description

The Monitronix CDU-143 and CDU-243 series Compressor Desiccator Units are the most advanced cable air feed systems in the world, supplying clean dry air into cables. They are widely used in fixed-line and mobile telecommunication networks and can satisfy the air feed requirements of optic fibre cables, copper cables and coaxial cables. The units employ the technology of microprocessors and computer software and are equipped with a large scale IC, LCD graphics display, thin-film keyboard, precision sense and control elements performing data-acquisition, data processing and storage. They also provide complete fault diagnostics, alarm and status processing and system control by means of an on-board Remote Monitoring Unit. The units can therefore be easily integrated into Monitronix's pressure monitoring network thereby complimenting existing cable pressure management systems and structures.

When used in conjunction with the Monitronix 810 or 820 Electronic Flow Panels, it is possible to add visibility of output flows to the cable pressure monitoring systems.



Technical Characteristics

Air Supply Capabilities	
Max. air supply pressure	0-100Kpa (set up by end-user)
Max air supply CDU-143	80m3/day (with one ¾ HP air compressors)
Max air supply CDU-243	150m3/day (with two ¾ HP air compressors)
Temperature	
Temperature Controls	Thermostats active > 55 deg C and < 45 deg C
Operating Temperature	-10 deg C – 40 deg C
Environmental Conditions	
Noise levels	60dB (1m)
Power	
Power supply	AC 200V – 240V, 50 Hz
Operating current	16A
Physical Properties	
Size	123 x 55 x 72 cm
Weight CDU 143	160Kg
Weight CDU 243	260Kg
Other Properties	
Compressor Electric Power	500 W/unit
Compressor Operating Voltage	AC 200V – 240V, 50 Hz
Compressor type	Oil-less, Reciprocating, Air cooling
Drying process	Heatless dryer bed
Air dryness	Dew point < -40 deg C
Humidity measurement	Precision humidity sensor
Receiver unit Storage Vessel Volume	25 litres
Receiver unit Maximum Pressure	800 Kpa
Manufacturing standard	GB 150 standard
System Display	240 x 128 LCD display (showing all environmental readings)

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