

Nitrogen Compressor



Product information

The Verticus Nitrogen Compressor is a high-pressure range compressor that combines compact design with impressive performance. This proven series is suitable for all common non-aggressive gases and gas blends and is thus ideal for virtually all applications.

The Verticus Nitrogen Compressor is a complete unit containing of both compressor and control-unit. The units are available in a variety of different configurations which is ranging in size and with additional options such as safety venting to the vent header.

In addition, the compressor features electronic control units aligned to customers' requirements (B-control), which provide extensive options for operating the Verticus system as single systems or as part of system clusters or higher-level networks.

Functionalities for the N2 Compressor are controlled by the b-control unit mounted directly on the N2 compressor. This controller is made with possibility of remote start and stop functions which can be handled by the ME-GI or FGS control system. The controller also features the possibility of directing alarms from the unit to ME-GI ECS.

Description	N2 Compressor 320 Bar	N2 Compressor 380 Bar
Media Dimensioning		
Media	Nitrogen	Nitrogen
Media Temperature	+5°C to +45°C	+5°C to +45°C
Unit Cooling	Air Cooled	Air Cooled
Buffer Tank Size	50-800 Ltr	50-800 Ltr
Min. Inlet Gas Pressure	4 bar	4 bar
Max. Inlet Gas Pressure	16 bar	16 bar
Outlet Gas Pressure	Fixed on 320 Bar	Fixed on 380 Bar
Safety Valve Opening Pressure	330 bar	390 bar
Safety Valve Venting	Optional	Optional
F.A.D / Free Air Delivery	500 L/min	510 L/min
Pressure Hysteresis	30 bar	30 bar
Compressor Speed	1230 RPM	1490 RPM
Condensate System	10 Ltr	10 Ltr
Energy Consumption	10,2 kW	13,5 kW
Cooling Air Flow	3300 m3/h	4500 m3/h
Oil Pullution Supply Line	18 mg/m3	18 mg/m3
Physical Dimensions		
Dimensions (WxHxL)	810 x 1530 x 1200 mm (standard version)	810 x 1530 x 1200 mm (standard version)
Weight	460 kg	460 kg
Environment		
Operation Temperature, Control Circuit	+5°C to +55°C	+5°C to +55°C
Relative Humidity	5-90 %	5-90 %
Protection Class (IEC 60529)	IP65/IP55	IP65/IP55
Supply		
Power Supply	440 VAC, 30 A	440 VAC, 30 A
Power Supply Electrical Cabinet	24 VDC, 2,1 W	24 VDC, 2,1 W