



Nitromat VP

nitrogen generator for expansion system

The SOTEX nitrogen expansion system consists of a Nitromat nitrogen generator, a compressor and a nitrogen storage tank. The Nitromat VP series are highly reliable nitrogen generators, energy efficient and deliver a purity of 99% nitrogen or more. This Nitromat VP produces nitrogen by means of a so-called PSA system.

The Nitromat VP is the standard version in the range. Standard equipped with highly reliable components of world brands, effective compressed air treatment, oil/water separator and Siemens PLC control. The SOTEX Nitromat VP nitrogen generators are built according to the European CE PED directive, executed according to UL/CSA directive and have an EAC CU TR certificate.

The SOTEX VP nitrogen system is used on vertical storage tanks, where the standard version can provide one tank with a nitrogen blanket. There is also a 'DUO' version which can provide two tanks with a nitrogen blanket, made possible by the dual control in the 'DUO' control panel.

Extensive information about SOTEX nitrogen generators, options and accessories can be found in the extensive SOTEX leaflet 'Nitrogen expansion systems'.



- Nitromat VP-1.5**
- Nitromat VP-3.0**
- Nitromat VP-4.0**
- Nitromat VP-6.0**
- Nitromat VP-8.0**
- Nitromat VP-12.0**
- Nitromat VP-17.0**
- Nitromat VP-22.0**
- Nitromat VP-33.0**

	capacity [Nm ³ /u]	minimum percentage of residual oxygen [%]	work pressure application [mbar]	work pressure N ₂ storage vessel [bar]	standard connection voltage 50 Hz 3-400V	optionally obtainable connection voltage 60 Hz 3-208/230/460V	dimensions			weight [kg]	approval CE PED IIA CU TR (EAC) UL/CSA	required compressed air capacity @ 10 bar [bar]	max. fuse [A.]
							L [mm]	B [mm]	H [mm]				
Nitromat VP-1.5	1,5				√	√	750	1000	1900	133		5	
Nitromat VP-3.0	3,0				√	√	750	1000	1900	150		9	
Nitromat VP-4.0	4,0				√	√	750	1000	1900	153		12	
Nitromat VP-6.0	6,0				√	—	750	1000	1900	163		18	
Nitromat VP-8.0	8,0	1	15	8	√	√	750	1000	1900	196	√	29	16
Nitromat VP-12.0	12,0				√	√	750	1000	1900	233		36	
Nitromat VP-17.0	17,0				√	√	750	1200	1900	265		45	
Nitromat VP-22.0	22,0				√	√	750	1500	1900	312		54	
Nitromat VP-33.0	50,4				√	√	900	1500	1900	410		83	