



INSTRUCTION MANUAL

N2 Auto Purge System XSD-B





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1. Safety instructions

Read the safety instructions carefully to prevent possible danger and damage to the N²- System.

1. In case of using nitrogen the room has to be ventilated sufficiently.
2. The power supply should only be connected with the right type of socket or adapter.
3. Beware that the power supply cable doesn't get damaged as a result of being run over or otherwise be damaged.
4. Beware of influences of the surrounding area. Don't use the equipment in a moist or wet surrounding.
5. Don't over stress the equipment. Use the Auto-Flow-System only for the indicated voltage and pressure or pressure range.
6. Remove the plug from the socket before opening.
7. Don't connect dangerous gasses or solvents.
8. Avoid unappropriated use.
9. Make sure that the main switch is on off when the plug is connected with the outlet socket.
10. The signal cables are only to be connected with door contact cables from Totech dry-cabinets

Any changes made that are not listed in the safety instructions manual as well as individual made changes will void warranty. The safety instructions and the mentioned precautions are to be read carefully and should be kept near the Auto-Flow-System. Ignoring safety instructions can cause accidents, injuries or health problems. The Totech Auto-Flow-System is in accordance with the EG conformation statements and the safety regulations.

Should you have any questions about the use of our N²- System please contact us.





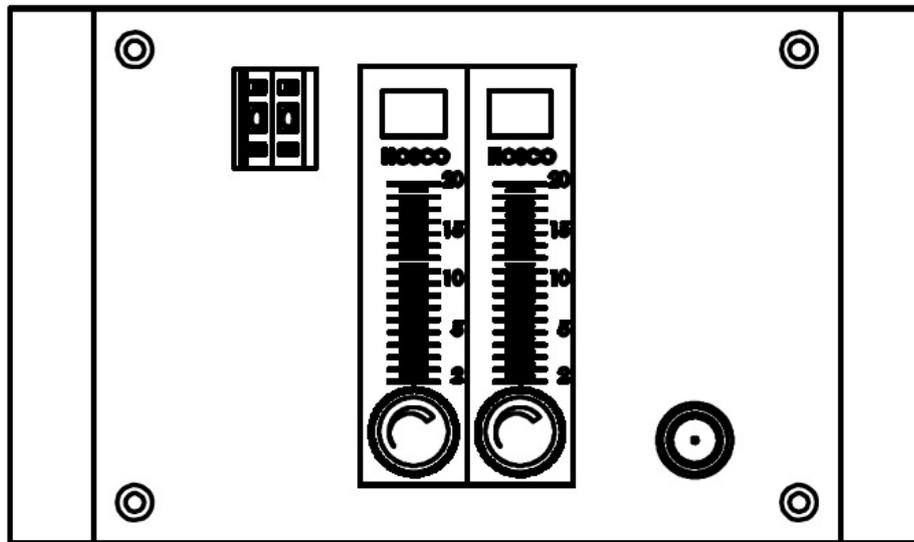
2. Description

The Auto-Flow-System is developed to be used in combination with a Totech drying cabinet. The apparatus is used for the quick removal of moisture in the cabinet after the doors have been opened. The drying proces is realized by using Nitrogen (N^2), which is added automatically after the doors have been closed. The amount of Nitrogen needed can be regulated with the valve (1) up to 100 l/min. The amount of nitrogen can be read out on the engaged flowmeter. The recycling time of the digital timer can be individually set within a time range between 0-99 minutes. The exchanged amount of nitrogen volume for each dooropening is calculated by the amount in liter pro minute multiplied with the set amount.

At the same time the Auto-Flow-System has a permanent recycling cycle independent of the opening of the doors. Using the Standby-flow valve (2) this feature can be set and read out.

The apparatus is equipped with an alarm buzzer which will be activated if the door is opened for more than 1 minute

(60 seconds). If the door is closed the alarm will be disactivated.





3. Installation

The Nitrogen connection can be made by connecting an 8 mm pressure tube at the nipple located on the backside of the XSD(B) cabinet. The air pressure of dry oilfree air or nitrogen with a maximum of 600kPa (6 bar) can be executed.

Warning: in case of using nitrogen you have to make sure that sufficient ventilation is available.

After the apparatus is switched on, a test is automatically executed. The indicator in the switch will be turned on and shows that the apparatus is ready for use (Flashing shows that the system is in recycling mode and the preset time is running). If the timer (3) is set for 00, the recycling mode is deactivated. By setting the codeswitch with the + and - pushbuttons the desired recycling time can be realized up to 99 minutes. After the doors have been closed the preset value of the amount of Nitrogen is activated for the set time of the timer (3). This is indicated by flashing of the signal light located in the switch. Opening of the doors will stop the systems functions and the preset time is restored. After the door has been closed the process starts again.

The system is equipped with a standby-flow function to be able to use a small amount of Nitrogen (N²) for continuously driving out oxygen. The permanent recycling with low volume is started at the moment a connection with the pressurised Nitrogen-container is established. The permanent amount of Nitrogen can be set and read out with the right flowmeter (2). In case that this option won't be used the option can be switched off by closing the flowmeter.





4. Technical data

Voltage:	90 – 240 VAC
N ² connection:	8 mm hose connection
N ² connection pressure:	1 – 6 bar
N ² Standby- quantity:	0 – 25 L/min
N ² (Purge):	0 – 100 L/min
(Purge-Time):	0 – 99 min

5. CE-document

With this document we confirm:

Totech Europe BV
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8252 PJ Dronten

Auto Purge System is conform with the safety- and health regulations by EG-directives as mentioned below:

EN55011: 1998+A1:1999+A2:2002
EN61000-6-2:2001
2006/95/EG
2004/108/EG

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