



INSTRUCTION MANUAL

Auto Purge System





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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 sufficient ventilated
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 been 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 screws used for the connection off the Auto-Flow-Systems may not be locked or adjusted..
11. The signal cables may only 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, the warranty will void. 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.



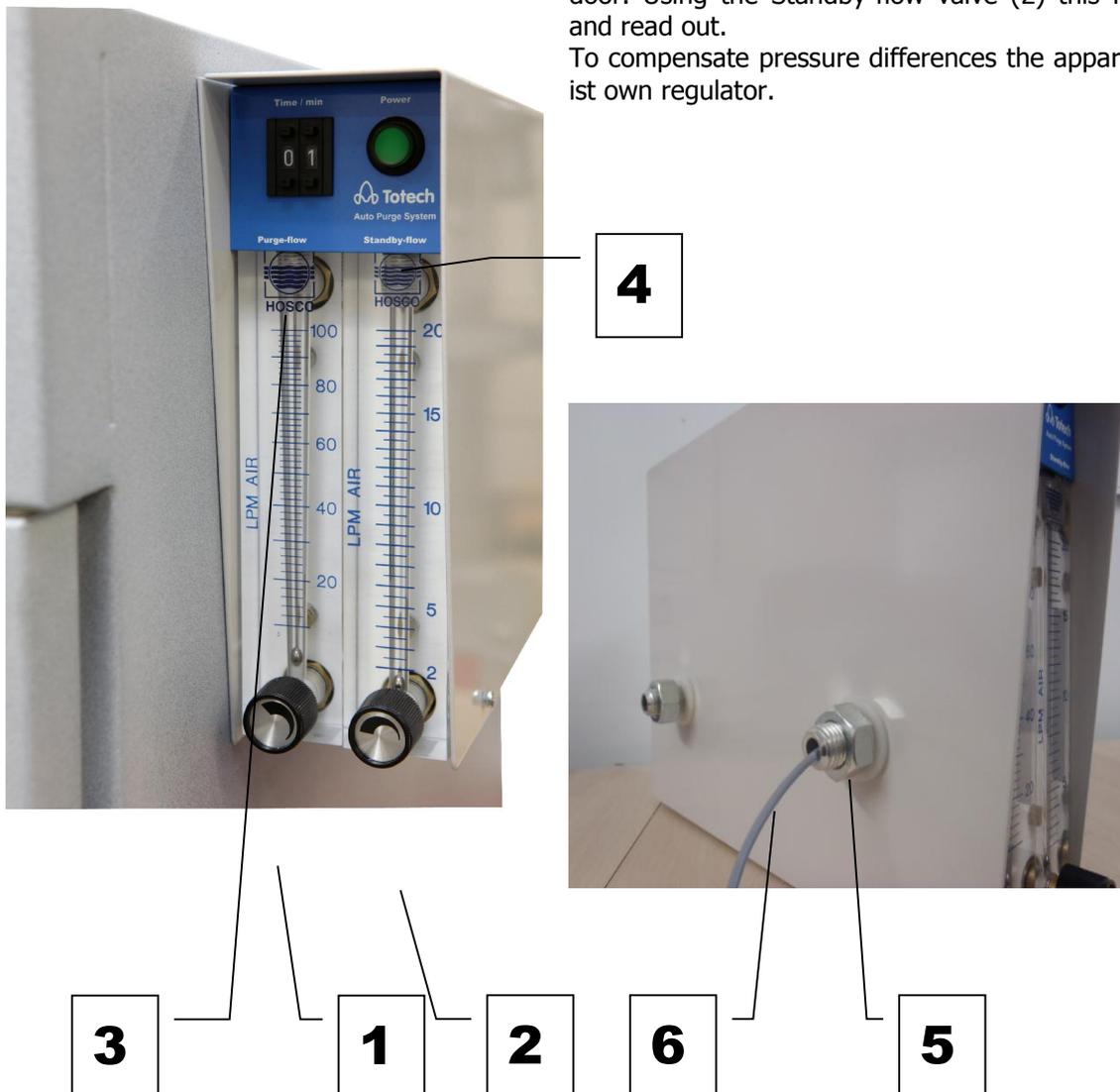


2. Description

The Auto-Flow-System is developed to use as in combination with a Tottech 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 recycled dried air of nitrogen (N²), which is add automatically after the doors have been closed. The amount of recycling can be selected by the user depends on the volume of the cabinet and the humidity factor Two parameters are available. The amount needed can be regulated with the valve (1) up to 100 l/min. The amount of air/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 air/nitrogen volume for each door 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 on the opening of the door. Using the Standby-flow valve (2) this feature can be set and read out.

To compensate pressure differences the apparatus is equipt with ist own regulator.





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 deactivated.

3. Assembly and installation

The assembly of the apparatus is only to be realized on the right side of the cabinet. On the right side of the cabinet are two holes with a diameter of 16 mm. Remove the nuts and washers from the apparatus (5). Mount the apparatus on the cabinet. The signal cable (6) has to be connected with the doorcontact cable. The air/nitrogen connection can be made by connecting a pressure tube on the nipple located on the backside of the Auto-Flow-System. After that 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.

Make sure that the voltage is in accordance with the given voltage indicated on the apparatus and the main switch (4) is switched off. In case of the right voltage the apparatus can be connected with the power-supply. Switch the apparatus on with the switch (4). 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 till 99 minutes. After the doors have been closed the preset value of the amount of air is activated for the set time of the timer (3). This will be 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.

As a result that Nitrogen is responsible for the continuously driving out of oxygen, the system is equipped with a standby-flow function. The permanent recycling with low volume is started supplementary with the automatic recycling after opening the door. 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.





4. Delivery items

- Auto-Flow apparatus
- Manual
- Power cable

5. 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

6. 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

Totech Europe B.V.
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Technical Manager

