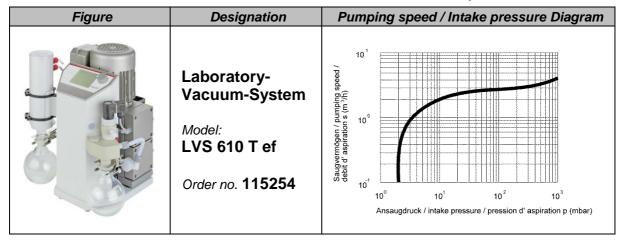
Data Sheet (EN)

Translation of the german original



by Gardner Denver



Technical Data			
Parameter	Data	Unit	
Pumping speed at rated speed 1500 min ⁻¹	4.9	m³/h	
Ultimate pressure at rated speed 1500 min ⁻¹	< 2		
Ultimate pressure with gas ballast at rated speed 1500 min ⁻¹	9	mbar	
Max. Inlet - / Outlet pressure	1	bar	
Reference surface sound pressure level DIN EN ISO 2151	< 44	dB (A)	
Intake- / Exhaust connection	Hose nozzle DN 8 for hose inside Ø 8 mm	-	
Ambient temperature	+ 10 to + 40		
Max. operating gas temperature	+ 40	€	
Voltage, Frequency	230, 50/60	V, Hz	
Motor power	370	W	
Input Frequency changer (Apparent power)	800 / 6	W/A	
Operating mode	S1	-	
Type of protection DIN EN 60529	IP 54	-	
Class of insulation DIN EN 600034-1	F (160℃)	-	
Type Examination Certificate no.	WELCH_ATEX_03-01		
Designation EX	(Ex) II3G IIC T3 X (internal Atm. only)	-	
Dimensions (W/D/H)	360 / 310 / 445	mm	
Weight	26.8	kg	

Controller / Sensor :			
Sensor type	ceramic sensor	-	
Measuring range	1 - 1100		
Measuring uncertainty	< ± 0.3 % FS	mbar	
Sensor interface:	3 conductor interface	-	
- Scan frequency	10	Hz	
- Resolution ADC	12	Bit	
- Power supply	+ 5 stabilized		
- Sensor signal	0.5 to 4.5 (option also 420 mA per jumper possible)	V	
Pressure indicator	digital and graphic	-	
Switching accuracy / control accuracy	±1	digit	
Switching outputs:	digital	-	
- Voltage level	0; 24	V	
- Control power, single	2 x 6		
- Control power, total	24	W	
Switching outputs used: Ventilation valve, Water valve	2	-	
Frequency converter output :	analog	-	
- Voltage level	0 to 10	V	
- Resolution DAC	8	Bit	
Communication interface	RS 232	-	
Power consumption - controller in normal operation	Max. 15 (depends upon the control power)	W	
Fuse (internal controller)	5	Α	

Power pack: integrated		
Operating voltage 90 260 V AC		
Operating frequency	50 / 60 Hz	
Output voltage	24 V DC	
Output current	1.25 A	
Output power	30 W	

Connections:			
IN/OUT:	RS 232	SUB-D plug 9-pole	
OUT:	Control line (frequency converter)	Binder socket	
OUT	Water valve	4-pole, 24 V DC	
Connection:	Inert gas (integrated)	Hose nozzle DN 4	

Data Sheet (EN)

Translation of the german original



Design	Areas of application
The Laboratory-Vacuum-System consists of a dry-running, chemically resistant diaphragm pump with frequency converter, the suction-side condensate and the pressure side insulated intensive cooler with round-bottomed flask and safety valve.	The Laboratory-Vacuum-System is especially suitable for applications for distillation and evaporation of solvents. It finds its use in physical and chemical laboratories or industry, specifically for pumping and compressing neutral and aggressive gases and vapors.

	Accessories	Order no.
000	Vacuum Control Box VCB 521 cv For measuring and regulation a vacuum. With integrated sensor and ventilation-, control- and check valve.	600053
May City	Operating Software "WELCH-Control 521" on CD To connect the Controller VCB 521 cv to the PC.	620637
	Vacuum hose Rubber, 18 / 8 x 5 mm	828310-4
	Vacuum hose PTFE, 8 / 6 x 1 mm	828331
10	Water valve WV 2 2 way water flow valve for the demand-responsive cooling water supply. Mounting possible in any direction. Input: G 3/4 inch sleeve nut Output: Hose nozzle for hose inside diameters 8 mm	700300-02
	netvac+ Set BC1 – 63 (for mounting on sheet metal wall) with integrated FFKM - check valve, dosing valve, hose nozzle and ball valve Area of application: Laboratory Suction connection: for hose DN 8-10 Connection thread: 1/4 "- outside Material of valve body: Polypropylene (PP) Dimensions (W/D/H): Ø 69 / 161 / 82 mm Mounting hole: Ø 25 to Ø 35 mm	700563-01
	netvac+ Set BC2 – 62 (for mounting on wood furniture) with integrated FFKM - check valve, dosing valve and hose nozzle Area of application: Laboratory Suction connection: for hose DN 8-10 Connection thread: 1/4 "- outside Material of valve body: Polypropylene (PP) Dimensions (W/D/H): Ø 69 / 69 / 82 mm Mounting hole: Ø 25 to Ø 35 mm	700562



We are constantly working on the further development of all our product types. Reprinting or reproduction of this manual, including extracts, is not allowed without the prior written permission of Co. Gardner Denver Thomas GmbH. All rights under the copyright laws are expressly reserved by Co. Gardner Denver Thomas GmbH. We reserve the right to make changes and amendments.

The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as and aid to help in the selection of products. It is the responsibility of the user to determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. Gardner Denver Thomas GmbH does not warrant, guarantee or assume any obligation or liability in connection with this information.



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel: 01759 301142

Fax: 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.