



# Data Sheet (EN)

Translation of the german original



Figure	Designation	Order no.
	<b>Laboratory-Vacuum-System</b>  <b>Model: LVS 601 T</b>	<b>115057</b>

Technical Data		
Parameter	Data	Unit
<b>Pumping speed 50/60 Hz</b> DIN 28432 at rated speed 1500 min <sup>-1</sup>	4.5 / 4.9	m <sup>3</sup> / h
<b>Ultimate pressure</b> at rated speed 1500 min <sup>-1</sup>	< 2	mbar
<b>Ultimate pressure with gas ballast</b> at rated speed 1500 min <sup>-1</sup>	9	
<b>Max. Inlet - / Outlet pressure</b>	1	bar
<b>Reference surface sound pressure level</b> DIN EN ISO 2151	< 44	dB (A)
<b>Intake- / Exhaust connection</b>	Hose nozzle DN 8 for hose inside diameter 8 mm	-
<b>Ambient temperature</b>	+ 10 to + 40	°C
<b>Max. operating gas temperature</b>	+ 40	
<b>Voltage, Frequency</b> (generell mit Motorschutz, Schalter und Kabel)	230, 50/60	V, Hz
<b>Motor power</b>	370	W
<b>Operating mode</b>	S1	-
<b>Type of protection (Motor)</b> DIN EN 60529	IP 54	-
<b>Motor / Class of insulation</b> DIN EN 600034-1	F (160°C)	-
<b>Type Examination Certificate no.</b>	WELCH_ATEX_03-01	-
<b>Designation EX</b>	 II3G IIC T3 X (internal Atm. only)	
<b>Dimensions (W/D/H)</b>	360 / 310 / 445	mm
<b>Weight</b>	23.1	kg



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Pumping speed / Intake pressure Diagram	Design / Areas of application
<p>Saugvermögen / pumping speed / débit d'aspiration s (m³/h)</p> <p>Ansaugdruck / intake pressure / pression d'aspiration p (mbar)</p>	<p><b>Design:</b> The Laboratory-Vacuum-System consists of a dry-running, chemically resistant diaphragm pump, the suction-side condensate and the pressure side insulated intensive cooler with round-bottomed flask and safety valve.</p> <p><b>Areas of application:</b> 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.</p>

Accessories		Order no.
	<b>Vacuum Control Box VCB 521 cv</b> For measuring and regulation a vacuum. With integrated sensor and ventilation-, control- and check valve.	600053
	<b>Operating Software „WELCH-Control 521“ on CD</b> To connect the Controller VCB 521 cv to the PC.	620637
	<b>Vacuum hose Rubber, 18 / 8 x 5 mm</b>	828310-4
	<b>Vacuum hose PTFE, 8 / 6 x 1 mm</b>	828331
	<b>Water valve WV 2</b> 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
	<b>netvac+ Set BC1 – 63 (for mounting on sheet metal wall)</b> 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
	<b>netvac+ Set BC2 – 62 (for mounting on wood furniture)</b> 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



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**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.

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