



Technology for Vacuum Systems

Demand-oriented, effective, forward thinking:

VACUUM LOCAL AREA NETWORK



VACUUM LOCAL AREA NETWORK VACUU-LAN®

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The vacuum local area network VACUU·LAN® operates multiple vacuum work stations using one single vacuum pump. A multitude of components offer the possibility of individual configuration for virtually all prevalent vacuum applications. VACUU·LAN® is available for installation into new laboratories or for retrofitting into existing laboratories. The components have integrated non-return valves with high effectiveness at low pressure difference against interference or cross contamination.

FLEXIBLE MULTI-USER VACUUM GENERATION



Manual flow control module
VCL 01 A1



Shut off-/
manual flow control module
VCL 02 A1



Automatic control module
VCL 10 A1



Manual flow control-/
automatic control module
VCL 11 A1

SPECIAL ADVANTAGES

- **versatile vacuum generation**
connection of several work stations to one vacuum pump
- **personalized connection**
modular design for specific requirements at the individual work station
- **integrated non-return valves**
against interference or cross contamination even at low pressure differential
- **proven user friendly design**
panel mounted (tube connections invisible) or surface mounted (e. g. retrofitting)
- **vacuum generation on demand**
automatic shut down or restart of the vacuum pump
- **flexible design, modular system**
easy adaptation to changes in vacuum requirement or of the connection layout



Manual flow control module for hoods
VCL AR



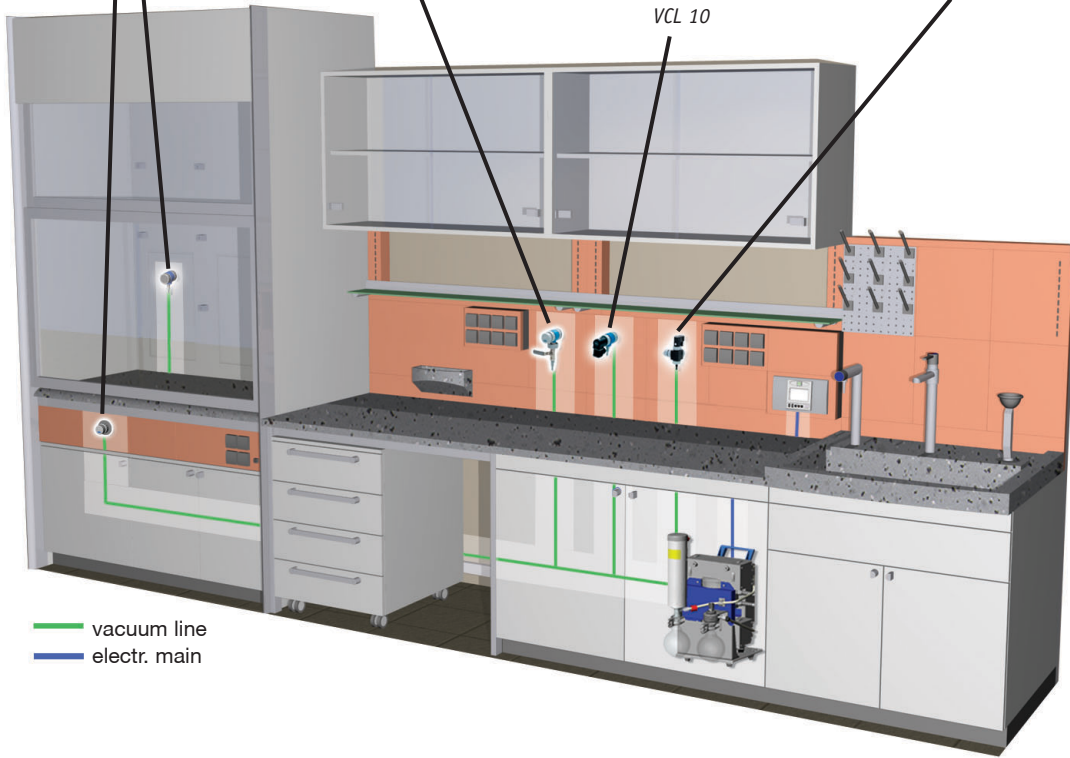
Shut off-/ manual flow control module
VCL 02



Automatic control module*
VCL 10



Manual flow control-/ automatic control module*
VCL 11



— vacuum line
— electr. main



Network vacuum pumping unit
PC 600 LAN



VARIO chemistry pumping unit
PC 2004 VARIO



Vacuum network controller
VNC 1

VACUU·LAN® - VCL modules are the connecting parts of the vacuum network. They are completely assembled i. e. pre-assembled and ready for installation into new planned lab furniture (A2, A3, A5) or for retrofitting

installations into existing labs (A1). Every VACUU·LAN® - VCL Module consists of at least 3 parts: connecting part (A), basic part (B) and operating part (C + D).

VACUU·LAN®:
registered trademark of
VACUUBRAND GMBH + CO KG

150 employees work in a flexible team structure to design and manufacture our products. Our focus is to develop innovative products with excellent quality. VACUUBRAND has over 40 years experience in manufacturing vacuum technology. Our company offers the most comprehensive range of customer oriented laboratory and instrumentation vacuum pumps, gauges and controllers for rough and fine vacuum.

The product range comprises high performance rotary vane pumps, oil free diaphragm pumps, well proven pumping units, flexible vacuum systems and solutions for local area networks. The range is completed by a wide choice of KF fittings and accessories as well as various vacuum gauges and controllers for rough and fine vacuum. The design of VACUUBRAND products is driven by our customer's requirements.

In recent years, vacuum local area networks with pumps combining the latest electronic control technology and high performance mechanics have gained more and more importance.

Our technical literature is only intended to inform our customers. The validity of general empirical values and results obtained under test conditions for specific applications depends upon a number of factors beyond our control. It is, therefore, strictly the users' responsibility to verify carefully the validity or suitability to their specific requirements. No claims arising from the information provided in this catalogue will consequently be entertained. Technical data are subject to change without notice.

Pictures may depict accessories which are not supplied as standard under the catalogue number printed.

MODULE (complete, pre-assembled)		with connecting part			
ORDERING INFORMATION		A1 (surface mounting)	A2 (under panel mounting, depending on furniture design)	A3	A5
Manual flow control module	VCL 01	67 71 06	67 71 04	67 71 05	67 71 90
Shut off-/ manual flow control module	VCL 02	67 71 07	67 71 80	67 71 82	67 71 91
Automatic control module*	VCL 10	67 71 08	67 71 10	67 71 18	67 71 92
Man. flow control-/ autom. control module*	VCL 11	67 71 09	67 71 81	67 71 83	67 71 93
Shut off module	VCL K	67 71 55	67 71 56	67 71 57	67 71 94
Manual flow control module for hoods	VCL AR	-	67 71 01	67 71 02	67 71 95
Manual flow control module for hoods	VCL AR (2 A2)	-	67 71 03	-	-
Automatic control module for hoods*	VCL AE	-	67 71 19	67 71 62	67 71 96
Automatic control module for hoods*	VCL AE (2 A2)	-	67 71 59	-	-
Man. flow control-/ shut off-/ gauge module	VCL RKM	67 71 75	67 71 76	67 71 77	67 71 97

*All automatic control modules require a vacuum controller CVC 2^{II} or VNC 1 for operation.
With corresponding basic parts B1 - B3 and operating parts C1 - C8 resp. D1 and D2 can be adapted to changing demands in the lab-furniture.

VARIO CHEMISTRY PUMPING UNIT PC 2002 VARIO PC 2004 VARIO PC 2012 VARIO

TECHNICAL DATA

VARIO chemistry diaphragm pump		MZ 2C VARIO	MD 4C VARIO	MD 12C VARIO
Pumping speed 50/60 Hz	m ³ /h	2.5	3.8	9.7
Ultimate vacuum (total)	mbar	9	2	2
Vacuum controller		CVC 2000	CVC 2000	CVC 2000
Dimensions (L x W x H)	mm	385 x 265 x 530	385 x 265 x 530	650 x 370 x 610
Mass	kg	19.1	24.2	36.8

ORDERING INFORMATION

230 V ~ 50-60 Hz	plug CEE	68 34 20	68 34 25	71 03 70
230 V ~ 50-60 Hz	plug CH	68 34 21	68 34 26	-
230 V ~ 50-60 Hz	plug UK	68 34 22	68 34 27	-
100-120 V ~ 50-60 Hz	plug US	68 34 23	68 34 28	-

NETWORK VACUUM PUMPING UNIT PC 500 LAN PC 600 LAN

TECHNICAL DATA

Chemistry diaphragm pump		MZ 2C	MD 4C
Pumping speed 50/60 Hz	m ³ /h	1.7	3.0
Ultimate vacuum (total)	mbar	9	2
Vacuum network controller		VNC 1	VNC 1
Dimensions (L x W x H)	mm	400 x 251 x 536	400 x 251 x 536
Mass	kg	19	25

ORDERING INFORMATION

230 V ~ 50-60 Hz	plug CEE	68 81 40	68 81 60
230 V ~ 50-60 Hz	plug CH	68 81 41	68 81 61
230 V ~ 50-60 Hz	plug UK	68 81 42	68 81 62

VACUUM CONTROLLER CVC 2^{II} VNC 1 VNC 1

ORDERING INFORMATION

ORDERING INFORMATION			tabletop unit	built-in type
230 V ~ 50-60 Hz	plug CEE	68 31 50	-	-
230 V ~ 50-60 Hz	plug CH	68 31 52	-	-
230 V ~ 50-60 Hz	plug UK	68 31 51	-	-
100-120 V ~ 50-60 Hz	plug US	68 31 53	-	-
100-230 V ~ 50-60 Hz	-	-	68 29 70	68 29 75



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