

Labotek

Power in Plastics



Micro-Scan

Microprocessor Control for Materials Handling Systems

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Micro-Scan

Introduction

The Micro-Scan series takes full control of materials handling requirements and enables automatic control of conveying of raw materials for up to 8 stations.

The control system is supplied in the electrical cabinet and enables great visual appearance of the features.

The Micro-Scan Series offers

- Microprocessor control with LED status panel.
- 3 phase channel blower suited for nonstop operation.
- Standard vacuum station from 0.4 kW
- Ease of use, no need for special training.
- Prepared for optional proportioning valve.

Control

A user-friendly microprocessor control shows the current operation status of the system.

The Micro-Scan uses pictograms and LED's for simple navigation in menus and easy overview of status.

Suction time and line clearing time for optional line cleaning valve are easily set in control display. Ventilation kit is included as standard.

Part no.	Description	No. of stations	Vacuum Station kW
101750	Micro-Scan 8-LT3	8	0.4
101751	Micro-Scan 8-LT4	8	1.1
101752	Micro-Scan 8-LT5	8	1.3
101753	Micro-Scan 8-LT6	8	3.4
101754	Micro-Scan 8-2 x LT6	8	6.8

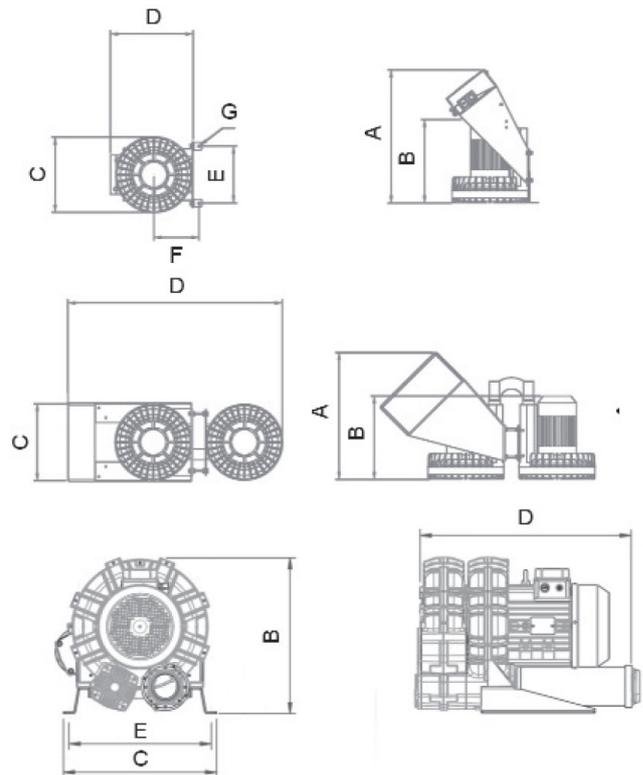
Vacuum blower

The Labotek Micro-Scan features high-efficiency vacuum blowers configured as single, double, or larger units, depending on the application.

Designed to maintain a deep vacuum with minimal airspeed, the system ensures gentle handling of conveyed polymers, reducing the risk of material degradation.

The blowers are maintenance-free and operate at a low noise level—below 69 dB(A)—for a quieter working environment.

Description	Dimensions
Micro-Scan 8 - Single 1 x LT-blower	L 300 x W 300 x D 200 mm
Micro-Scan 8 - Double 2 x LT-blower	L 400 x W 400 x D 200 mm



Type	kW	A	B	C	D	E	F	G
LT3	0.4	498	290	240	420	184	170	Ø 11
LT4	1.1	475	265	290	420	225	185	Ø 11
LT5	1.5	665	395	340	375	260	N/A	Ø 11
LT6	3.4	685	430	390	425	290	N/A	Ø 11
2xLT6	6.8	650	430	390	400	N/A	N/A	N/A

All measurements are in mm.

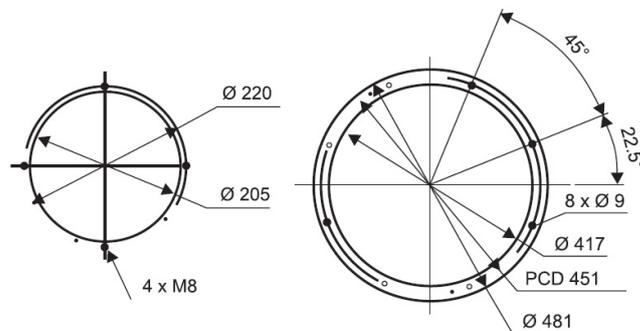
Vacuum receivers

Labotek SVR Vacuum Receivers come in sizes from 1.5 to 200 litres, making them suitable for many different applications.

Made from strong stainless steel (AISI 304), the receivers have a modular design, so they can be easily adjusted as your needs change.

Material levels are controlled by a magnet switch on the bottom flap. A high-level sensor can also be added if needed.

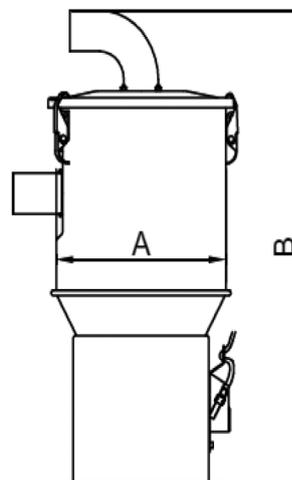
Several filter types are available—such as cartridge filters and coarse wire screens—making the SVR receivers easy to adapt to almost any conveying setup.



Mounting pattern
SVR 1.5-50 L

Mounting Pattern:
SVR 75-200 L
& SVR 50 / Ø 400

Part no.	Description	Litres	A (mm)	B (mm)
220135	SVR 1,5	1.5	180	329
204564	SVR 4	4	275	555
204565	SVR 8	8	275	610
204566	SVR 16	16	340	670
204583	SVR 26	26	340	790
206819	SVR 26 / Ø400	50	420	723
204593	SVR 50	50	340	1100
206825	SVR 50 / Ø 400	50	420	917
204627	SVR 75 / Ø400	75	420	1284
204628	SVR 100 / Ø400	100	420	1404
204629	SVR 150 / Ø600	150	600	1287
204630	SVR 200 / Ø600	200	600	1512



Options

The Micro-Scan control is prepared for a number of options (*Pos. 1, 2 & Local On/Off at production machine*).

Filter

There are several filter cleaning options for the Micro-Scan, such as dust cyclone, self-purifying filter and powder filter with compressed air filter cleaning.

Pos.	Description	A	B	C	Part no.
N/A	Cyclone LT3-LT4, Ø 38	459	259	140	208989
3	Dust cyclone, 3 L, Ø 50	1117	861	325	204568
3	Dust cyclone, 10 L, Ø 50	1117	861	325	204539
3	Dust cyclone, 20 L, Ø 50	1117	861	325	204567
4	Self purifying filter Ø 50	1840	1375	763	208804
	Self Purifying Filter LT 3-6	1131	450		208105
	Self Purifying Filter LT 12-18	1320	540		208106
1	Warning lamp (<i>fitted on top of control</i>)				Standard
2	Warning lamp 24 V (<i>with 10 m cable for remote location</i>)				203578_1
N/A	Local On/Off at production machine				204898
5	Pipe cleaning valve Ø 38				203459
5	Pipe cleaning valve Ø 50				203178
5	Pipe cleaning valve Ø 65				203184
6	Manifold 2 vacuum valves				208968
N/A	Compressed air filter cleaning , 2 liter (SVR4-8)				202275
N/A	Compressed air filter cleaning , 2 liter (SVR16-50)				202230
N/A	Compressed air filter cleaning , 5 liter (Ø400 /Ø600)				202273
6	Manifold 4 vacuum valves				208969

