



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP

SECO

Dry-running Rotary Vane Vacuum Pumps and Compressors

SV 1010 C, SV 1016 C, SV 1025 C, SV 1040 D

SD 1010 C, SD 1016 C, SD 1025 C, SD 1040 D

Instruction Manual



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1 Safety

Prior to handling the machine, this instruction manual should be read and understood. If anything needs to be clarified, contact your manufacturer representative.

Read this instruction manual carefully before use and keep for future reference.

This instruction manual remains valid as long as the customer does not change anything on the product.

The machine is intended for industrial use. It must be handled only by technically trained personnel.

Always wear appropriate personal protective equipment in accordance with the local regulations.

The machine has been designed and manufactured in accordance with the state-of-the-art methods. Nevertheless, residual risks may remain, as described in the following chapters and in accordance with the chapter *Intended Use* [→ 5].

This instruction manual highlights potential hazards where appropriate. Safety notes and warning messages are tagged with one of the keywords DANGER, WARNING, CAUTION, NOTICE and NOTE as follows:



DANGER

... indicates an imminent dangerous situation that will result in death or serious injuries if not prevented.



WARNING

... indicates a potentially dangerous situation that could result in death or serious injuries.



CAUTION

... indicates a potentially dangerous situation that could result in minor injuries.



NOTICE

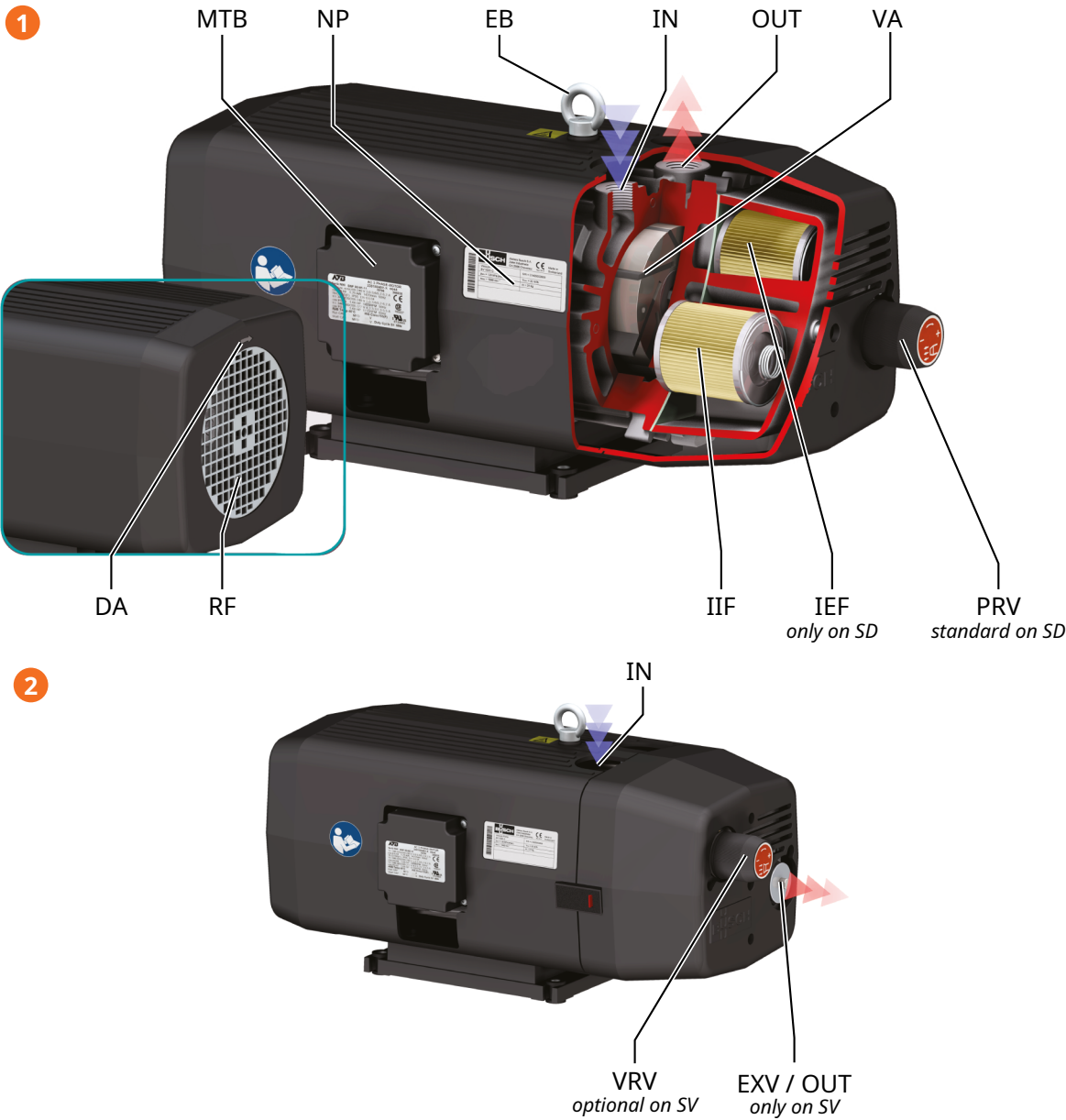
... indicates a potentially dangerous situation that could result in damage to property.



NOTE

... indicates helpful tips and recommendations, as well as information for efficient and trouble-free operation.

2 Product Description



Description			
1	SD series (pressure)	2	SV series (vacuum)

Description			
IN	Inlet connection	OUT	Exhaust connection
DA	Directional arrow	EB	Eye bolt
EXV	Exhaust valve	IEF	Internal exhaust filter
IIF	Internal inlet filter	NP	Name plate
MTB	Motor terminal box	PRV	Pressure regulating valve
RF	Radial fan	VA	Vane
VRV	Vacuum regulating valve		

NOTE

Technical term.

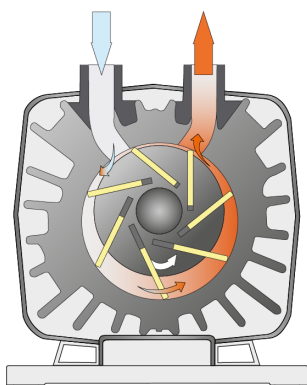
In this instruction manual, we consider that the term 'machine' refers to the 'vacuum pump' or 'compressor'.

NOTE

Illustrations.

In this instruction manual, the illustrations may differ from the appearance of the machine.

2.1 Operating Principle



The machine works on the rotary vane principle.

The compression is made without the use of any lubrication.

NOTICE

Lubricating a dry running machine (compression chamber).

Risk of damage to the machine!

- Do not lubricate the compression chamber of the machine with oil or grease.

2.2 Intended Use

WARNING

In case of foreseeable misuse outside the intended use of the machine.

Risk of injuries!

Risk of damage to the machine!

Risk of damage to the environment!

- Make sure to follow all instructions described in this manual.

The machine is intended for the suction and/or compression of air and other dry, non-aggressive, non-toxic, non-oxidizing, non-ignitable and non-explosive gases.

Conveying of other media leads to an increased thermal and/or mechanical load on the machine and is permissible only after a consultation with the manufacturer.

The machine is intended for placement in a potentially non-explosive environment.

The machine is capable of maintaining ultimate pressure, see *Technical Data* [→ 28].

The machine is suitable for continuous operation.

Permitted environmental conditions, see *Technical Data* [→ 28].

For heavy duty operation, see *Vacuum Regulating Valve* [→ 6].

2.3 Standard Accessories

2.3.1 Vacuum Regulating Valve

The vacuum regulating valve (VRV) controls inlet pressure when the machine is used on vacuum duties (optional for SV series and not available for SD series).

For SV 1025 C and SV 1040 D heavy duty operation where machine runs against a closed inlet for a longer time (for example pick & place), we propose to configure the machine with NIOB vanes together with the vacuum regulation valve (VRV), which should not be fully closed.

2.3.2 Pressure Regulating Valve

The pressure regulating valve (PRV) controls pressure when the machine is used on overpressure duties (standard for SD series, not available for SV series).

2.4 Optional Accessories

2.4.1 Inlet Filter

The inlet filter protects the machine against dust and other solids in the process gas. The inlet filter is available with a paper or polyester cartridge.

3 Transport and Handling

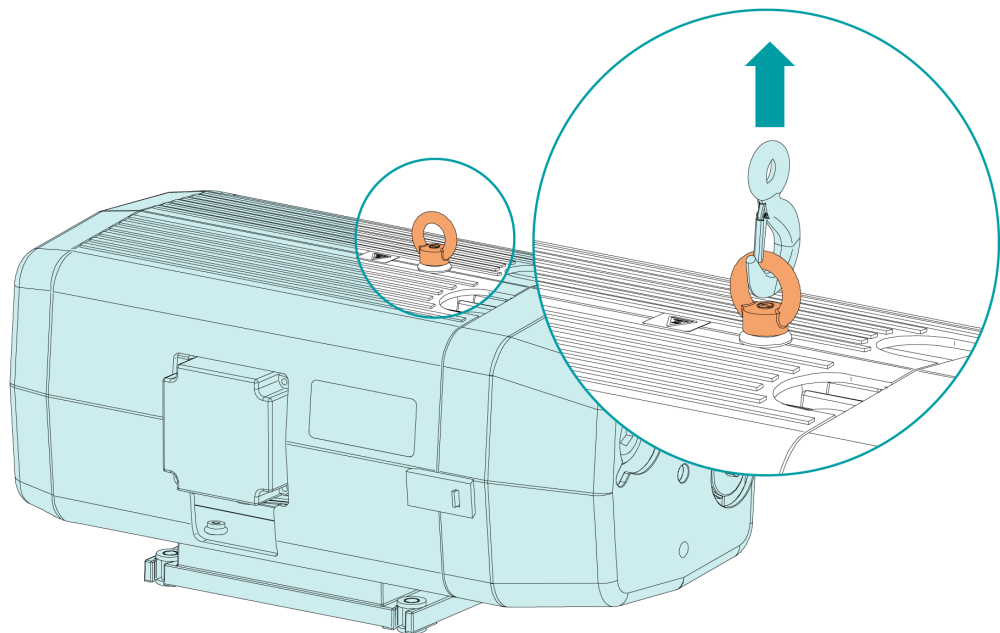


WARNING

Suspended load.

Risk of severe injury!

- Do not walk, stand, or work under suspended loads.
- To find out the weight of the machine, refer to the chapter *Technical Data* [→ 28] or the name plate (NP).
- Make sure that the eye bolt(s) (EB) is/are in faultless condition, fully screwed in and tightened by hand.



- Check that the machine has not been damaged during transport.

If the machine is mounted and secured on a transport support (pallet):

- Remove the machine from the transport support before installation.

4 Storage

- Seal hermetically all apertures with the caps provided with the machine, or with adhesive tape if the caps are no longer available.
- Store the machine indoors, in a dry place, away from dust and vibrations and if possible, in original packaging, preferably at temperatures between 0 ... 40 °C.

If the machine is to be stored for more than 3 months:

- Seal hermetically all apertures with the caps provided with the machine, or with adhesive tape if the caps are no longer available.
- Wrap the machine in a corrosion inhibitor film.
- Store the machine indoors, in a dry place, away from dust and vibrations and if possible, in original packaging, preferably at temperatures between 0 ... 40 °C.

5 Installation

5.1 Installation Conditions

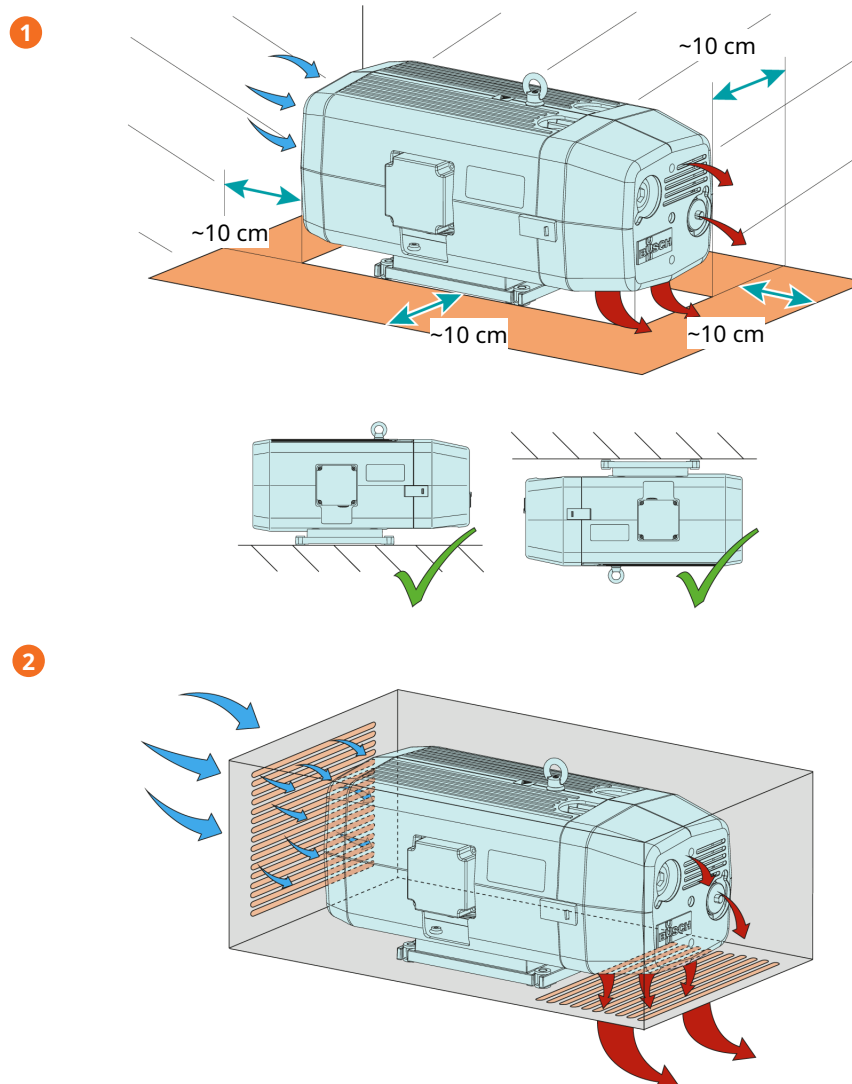
NOTICE

Use of the machine outside of the permitted installation conditions.

Risk of premature failure!

Loss of efficiency!

- Make sure that the installation conditions are fully respected.



Description

1	Air flow and installation space	2	Cabinet design recommendation
---	---------------------------------	---	-------------------------------

- Make sure that the environment of the machine is not potentially explosive.
- Make sure that the ambient conditions comply with the *Technical Data* [→ 28].

- Make sure that the environmental conditions comply with the protection class of the motor and the electrical elements.
- Make sure that the installation space or location is protected from weather and lightning.
- Make sure that the installation space or location is vented such that sufficient cooling of the machine is provided.
- Make sure that cooling air inlets and outlets are not covered or obstructed and that the cooling air flow is not affected adversely in any other way.
- Make sure that enough space remains for maintenance work.
- Make sure that all provided covers, guards, hoods, etc. are mounted.

If the machine is installed at an altitude greater than 1000 meters above sea level:

- Contact your manufacturer representative, the motor must be derated or the ambient temperature limited.

5.2 Connecting Lines / Pipes

- Remove all protective covers before installation.
- Make sure that the connecting lines cause no stress on the connections of the machine. Therefore, we recommend installing flexible lines at the inlet and exhaust connections.
- Make sure that the diameter of the connecting lines over the entire length is at least as large as the connections of the machine.

In case of long connecting lines:

- Use larger diameters to avoid a loss of efficiency.
- Contact your manufacturer representative for more information.

5.2.1 Inlet Connection



NOTICE

Ingress of foreign objects or liquids.

Risk of damage to the machine!

If the inlet gas contains dust or other foreign solid particles:

- Install a suitable filter (5 micron or less) at the inlet of the machine.

Connection size(s):

- G ½" for SV/SD 1010-1016 C
- G ¾" for SV/SD 1025 C and SV/SD 1040 D

Depending on the specific configuration ordered, other connection dimensions may apply.

- Make sure that the connecting lines cause no stress on the connections of the machine. Therefore, we recommend installing flexible lines at the inlet and exhaust connections.

5.2.2 Exhaust Connection



NOTICE

Exhaust gas flow obstructed.

Risk of damage to the machine!

- Make sure that the exhaust gas will flow without obstruction. Do not shut off or throttle the exhaust line.

Connection size(s):

- G ½" for SD 1010-1016 C
- G ¾" for SD 1025 C and SD 1040 D
- No dimension for SV 1010-1025 C and SV 1040 D ► exhaust valve (EXV)

Depending on the specific configuration ordered, other connection dimensions may apply.

- Make sure that the connecting lines cause no stress on the connections of the machine. Therefore, we recommend installing flexible lines at the inlet and exhaust connections.

6 Electrical Connection



DANGER

Live wires.

Risk of electrical shock!

- Electrical installation work must only be executed by qualified personnel.

INSTALLATION(S) CURRENT PROTECTION:



DANGER

Missing current protection.

Risk of electrical shock!

- Provide current protection in accordance with EN 60204-1 on your installation(s).
- The electrical installation must comply with the applicable national and international standards.



NOTICE

Electromagnetic compatibility.

- Make sure that the motor of the machine will not be affected by electric or electromagnetic disturbance from the mains. If necessary, contact your Busch representative for more information.
- Make sure that the EMC of the machine is compliant with the requirements of your supply network system, if necessary, provide further interference suppression (EMC of the machine, see *EU Declaration of Conformity* [→ 29] or *UK Declaration of Conformity* [→ 30]).

6.1 Machine delivered without Control Box or Variable Speed Drive (VSD)



DANGER

Live wires.

Risk of electrical shock!

- Electrical installation work must only be executed by qualified personnel.
- Make sure that the power supply for the motor is compatible with the data on the name plate of the motor.
- If the machine is equipped with a power connector, install a residual current protective device to protect persons in case of a defective insulation.
 - Busch recommends installing a type B residual protective device suitable for the electrical installation.
- Provide a lockable disconnect switch or an emergency stop switch on the power line so that the machine is completely secured in case of an emergency situation.

- Provide a lockable disconnect switch on the power line so that the machine is completely secured during maintenance tasks.
- Provide an overload protection according to EN 60204-1 for the motor.
- Connect the protective earth conductor.
- Electrically connect the motor.



NOTICE

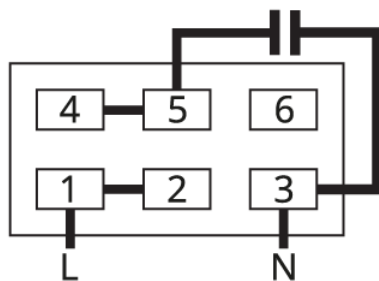
Incorrect connection.

Risk of damage to the motor!

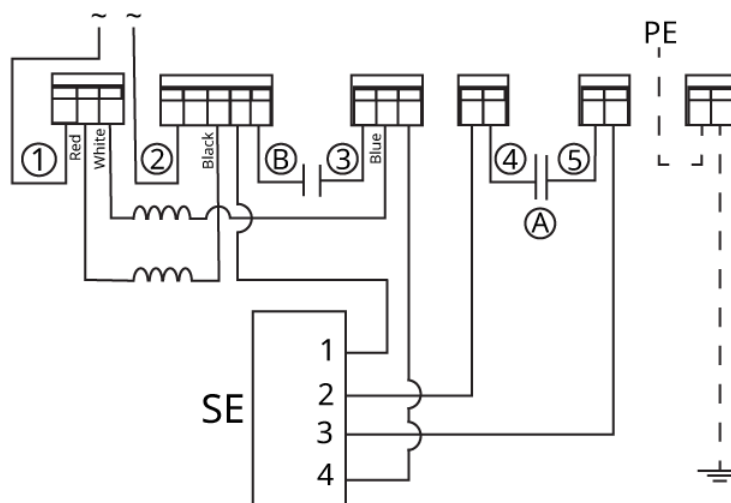
- The wiring diagrams below are examples only. See inside the terminal box for motor connection instructions and diagrams.

6.2 Wiring Diagram Single-Phase Motor

IE0 Version



IE2 Version



A: Starting capacitor

- To reverse running: invert red and black leads

B: Running capacitor

SE: Starting relay / Capacitor switch

6.3 Wiring Diagram Three-Phase Motor



NOTICE

Incorrect direction of rotation.

Risk of damage to the machine!

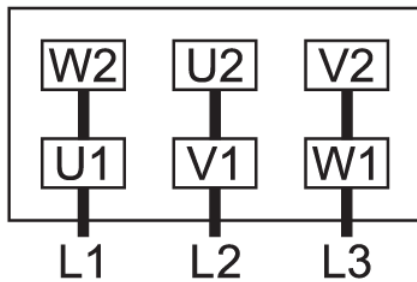
- Operation in the wrong direction of rotation can destroy the machine in a short time! Prior to start-up, ensure that the machine is operated in the right direction.

- Determine the intended direction of rotation with the arrow (stuck on or cast).
- Jog the motor briefly.
- Watch the fan wheel of the motor and determine the direction of rotation just before the fan wheel stops.

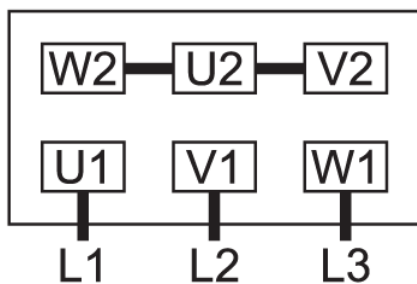
If the rotation of the motor must be changed:

- Switch any two of the motor phase wires.

Delta connection (low voltage):



Star connection (high voltage):



7 Commissioning



NOTICE

Lubricating a dry running machine (compression chamber).

Risk of damage to the machine!

- Do not lubricate the compression chamber of the machine with oil or grease.



CAUTION

In operation, the surface of the machine may reach temperatures over 70°C.

Risk of burns!

- Avoid contact with the machine during and directly after operation.



CAUTION



Noise of running machine.

Risk of damage to hearing!

If people are present in the vicinity of a machine that is not insulated from noise for extended periods of time:

- Make sure to wear hearing protection.
- Make sure that the *Installation Conditions* [→ 9] are met.
- Start the machine.
- Make sure that the maximum permissible number of starts does not exceed 12 starts per hour. Those starts should be spread within the hour.
- Make sure that the operating conditions comply with the *Technical Data* [→ 28].

As soon as the machine is used under normal operating conditions:

- Measure the motor current and record it as reference for future maintenance and trouble-shooting work.

8 Maintenance



DANGER

Live wires.

Risk of electrical shock!

- Electrical installation work must only be executed by qualified personnel.



WARNING



The machine is contaminated with hazardous material.

Risk of poisoning!

Risk of infection!

If the machine is contaminated with hazardous material:

- Wear appropriate personal protective equipment.



CAUTION

Hot surface.

Risk of burns!

- Before doing anything that requires touching the machine, let it cool down first.



CAUTION

Failing to properly maintain the machine.

Risk of injuries!

Risk of premature failure and loss of efficiency!

- Maintenance work must only be executed by qualified personnel.
- Respect the maintenance intervals or ask your Busch representative for service.



NOTICE

Using inappropriate cleaners.

Risk of removing safety stickers and protective paint!

- Do not use incompatible solvents to clean the machine.

- Stop the machine and lock it to prevent accidental start-up.
- Vent the connected lines to atmospheric pressure.

If necessary:

- Disconnect all connections.

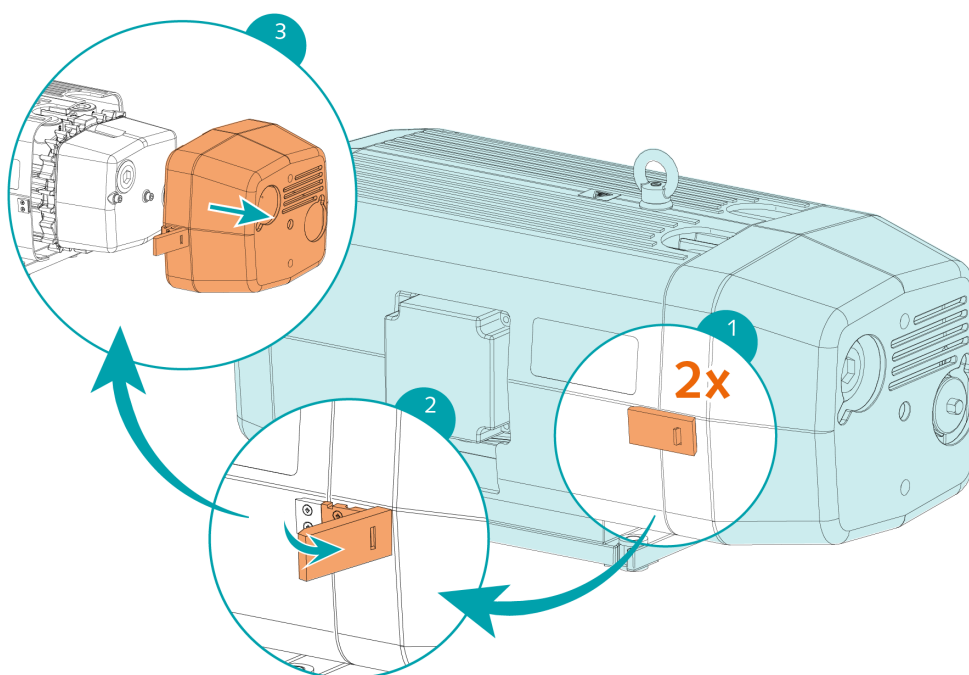
8.1 Maintenance Schedule

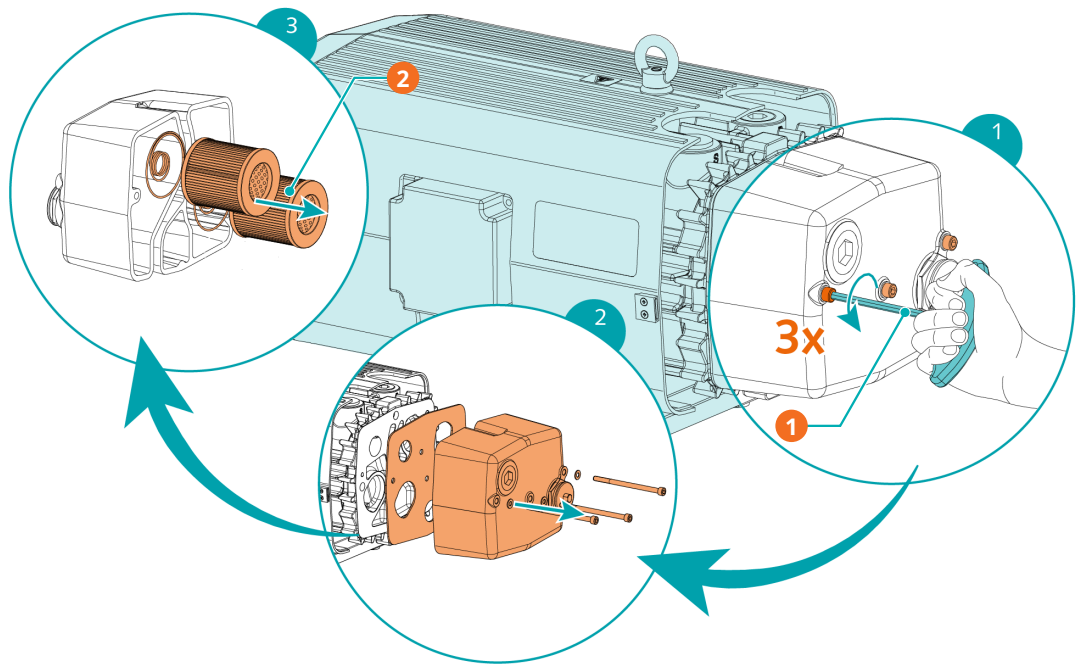
The maintenance intervals depend very much on the individual operating conditions. The intervals given below are considered as starting values which should be individually shortened or extended as appropriate.

Particularly harsh applications or heavy-duty operation, such as high dust loads in the environment or in the process gas, other contamination or ingress of process material, can make it necessary to shorten the maintenance intervals significantly.

Material of Vanes	Interval	Maintenance work
ZIRKON	Monthly	- Clean the machine from dust and dirt. In case of an inlet filter being installed: - Check the inlet filter cartridge, replace if necessary.
NIOB		
ZIRKON	Every 8000 hours or once a year	- Check the vanes (VA) and change them if necessary. - Change the internal filters (IIF / IEF)
NIOB	Every 3000 hours or once a year	Change the washer (WA) of the exhaust valve (EXV) (only on SV series)

8.2 Change Vanes and Internal Filters

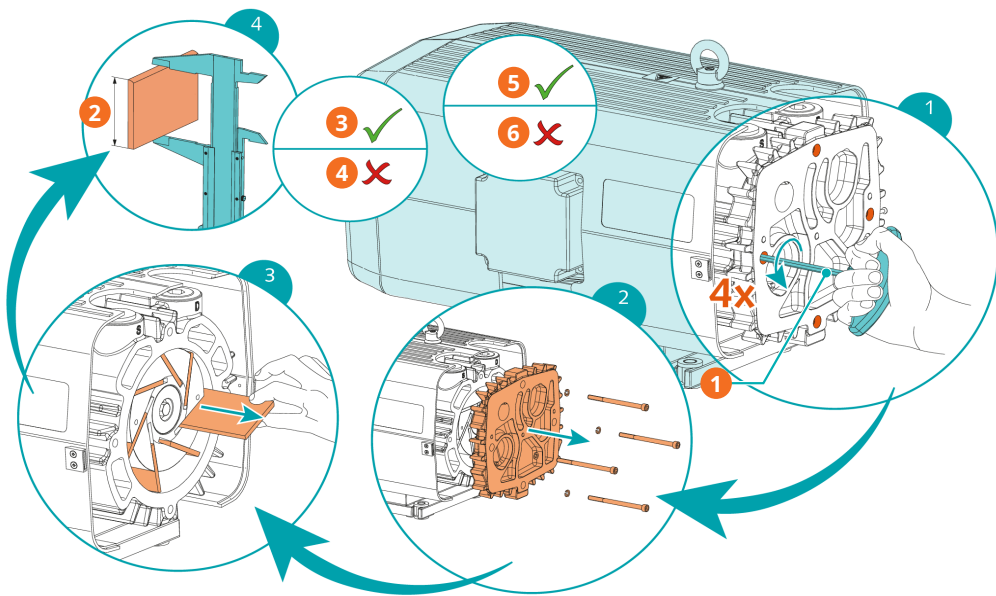




Description

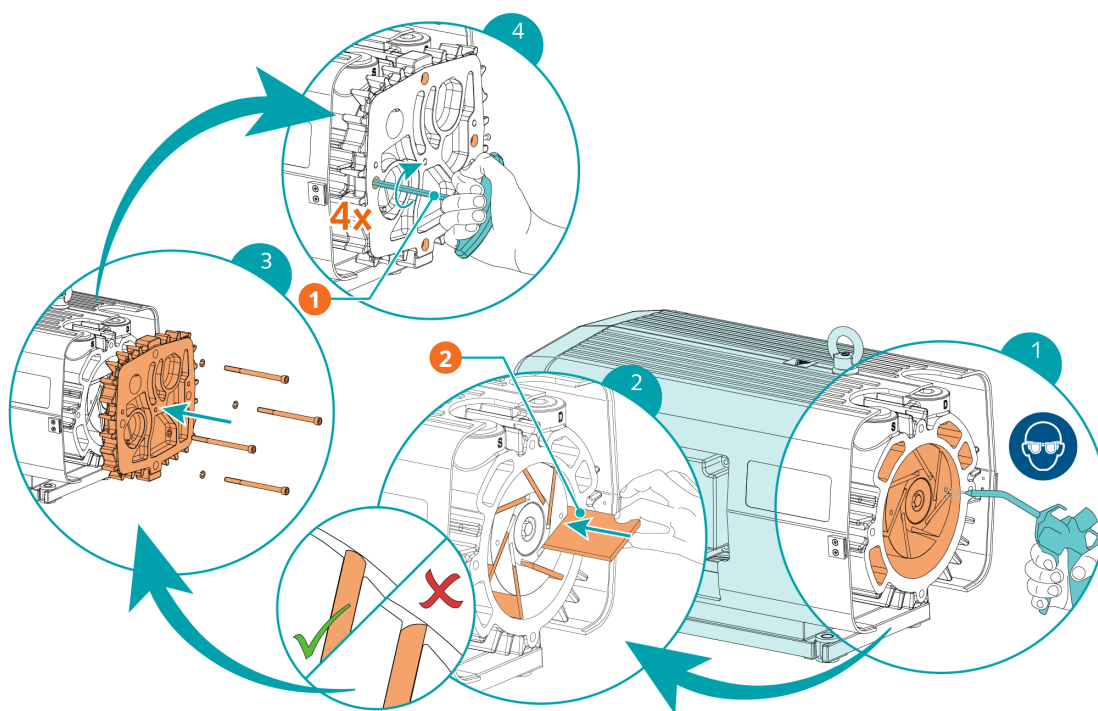
1	5 mm hex key	2	Only on SD series
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- Check vane height



Description

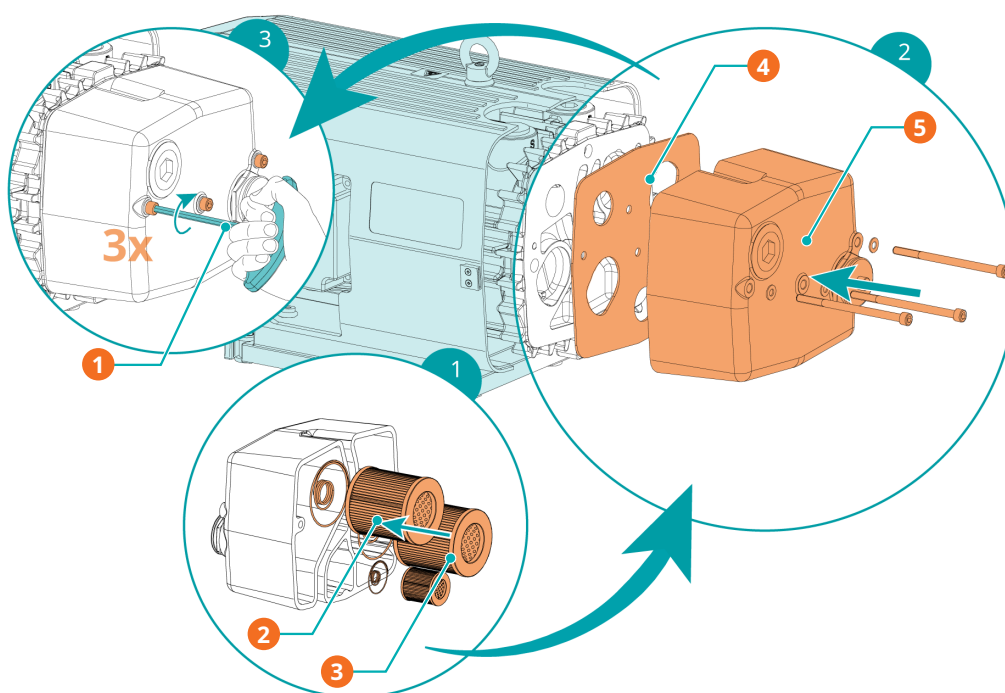
1	5 mm hex key	2	H = Height
3	ZIRKON: SV/SD 1010 - 1016 C: H > 27 mm, SV/SD 1025 C, SV/SD 1040 D: H > 33 mm	4	SV/SD 1010 - 1016 C: H ≤ 27 mm, SV/SD 1025 C, SV/SD 1040 D: H ≤ 33 mm
5	NIOB: SV 1025 C - 1040 D: H > 33 mm Maintenance ≤ 3000h / 1 year	6	SV 1025 C - 1040 D: H ≤ 33 mm



Description

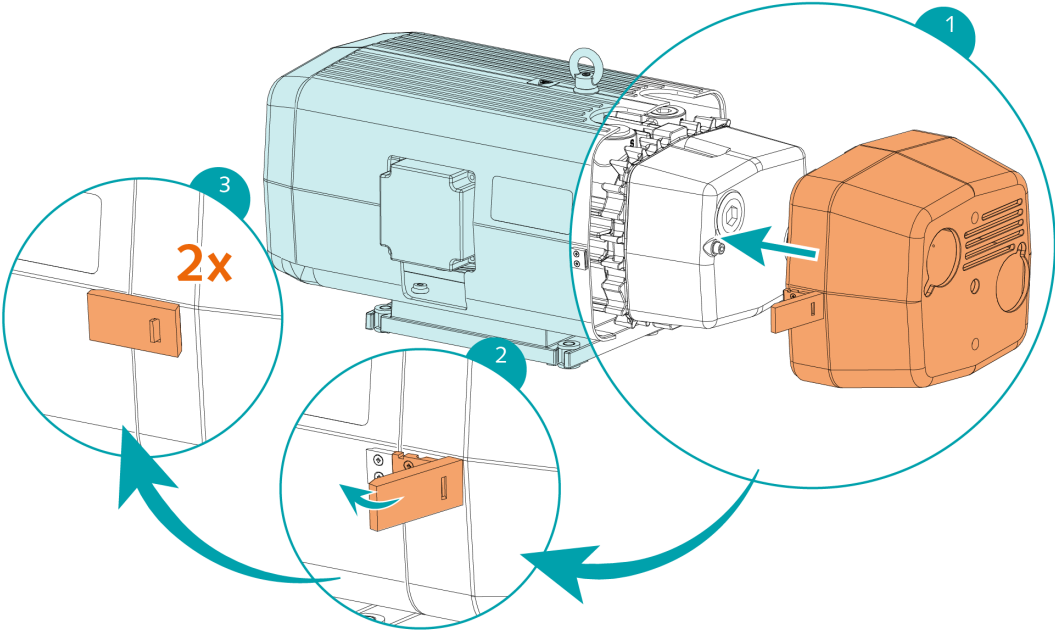
1	5 mm hex key	2	Busch genuine parts 7 x vane (VA)*
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* The vane type acc. to the specification (only for the SV 1025 C / SV 1040 D)

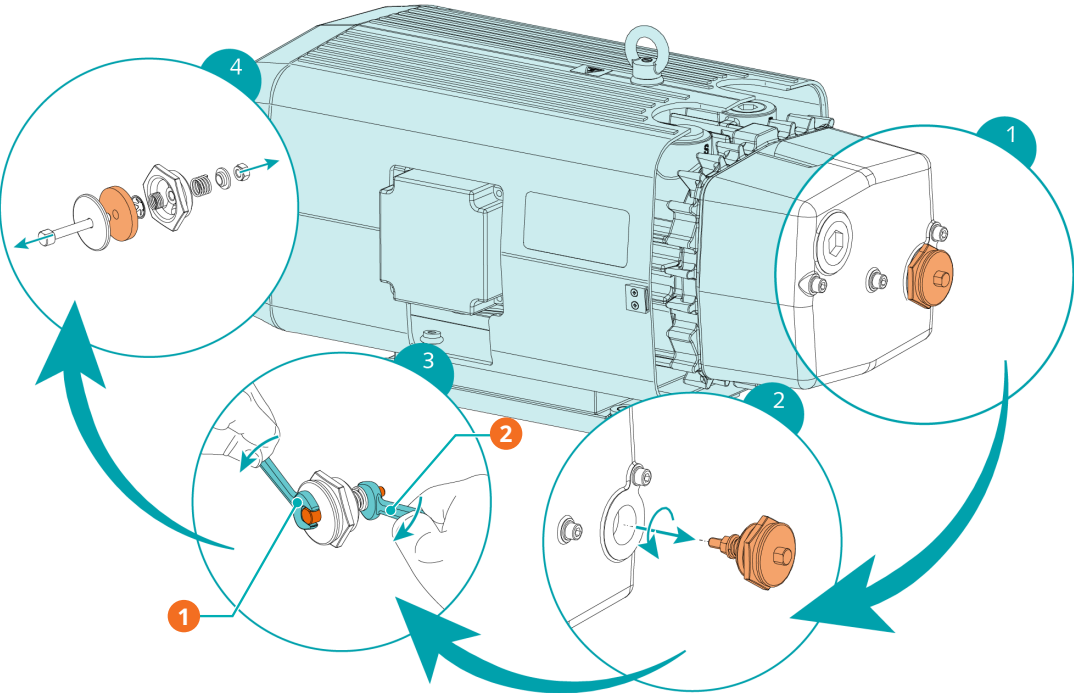


Description

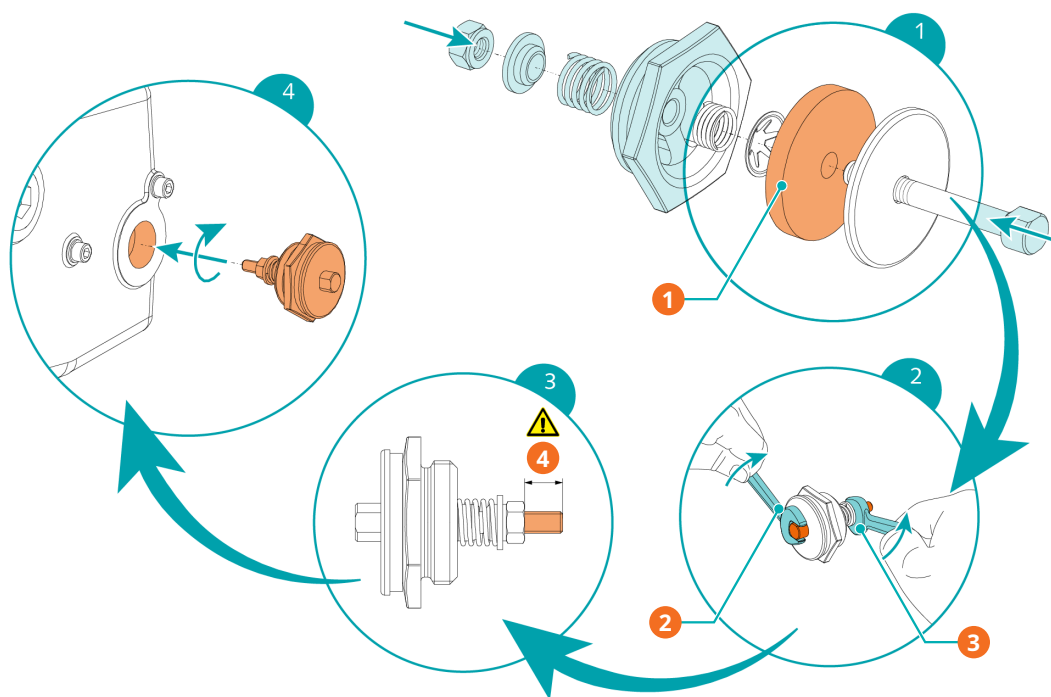
1	5 mm hex key	2	1 x internal inlet filter (IIF)
3	1 x internal exhaust filter (IEF) on SD series only	4	1 x flat gasket (FG)
5	3 x copper washer (COW)		



8.3 Exhaust Valve Maintenance (SV version only)



Description			
1	9 mm wrench	2	10 mm wrench

**Description**

1	1 x washer	2	9 mm wrench
3	10 mm wrench	4	Length = 11 mm

9 Overhaul



WARNING



The machine is contaminated with hazardous material.

Risk of poisoning!

Risk of infection!

If the machine is contaminated with hazardous material:

- Wear appropriate personal protective equipment.



NOTICE

Incorrect assembly.

Risk of premature failure!

Loss of efficiency!

- Any disassembly of the machine beyond that described in this manual must be carried out by technicians approved by Busch.

If the machine has conveyed gas contaminated with foreign materials which are hazardous to health:

- Decontaminate the machine as much as possible and state the contamination status in a 'Declaration of Contamination'.

The manufacturer will only accept machine accompanied by a signed, fully completed and legally binding "declaration of contamination", downloadable from the following link: buschvacuum.com/declaration-of-contamination.

10 Decommissioning



DANGER

Live wires.

Risk of electrical shock!

- Electrical installation work must only be executed by qualified personnel.



CAUTION

Hot surface.

Risk of burns!

- Before doing anything that requires touching the machine, let it cool down first.



CAUTION

Hot liquids.

Risk of burns!

- Before draining liquids, let the machine cool down first.
- Stop the machine and lock it to prevent accidental start-up.
- Disconnect the power supply.
- Vent the connected lines to atmospheric pressure.
- Disconnect all connections.

If the machine is to be stored:

- See *Storage* [→ 8].

10.1 Dismantling and Disposal

- Separate special waste from the machine.
- Dispose of special waste in compliance with applicable regulations.
- Dispose of the machine as scrap metal.

11 Spare Parts

 NOTICE

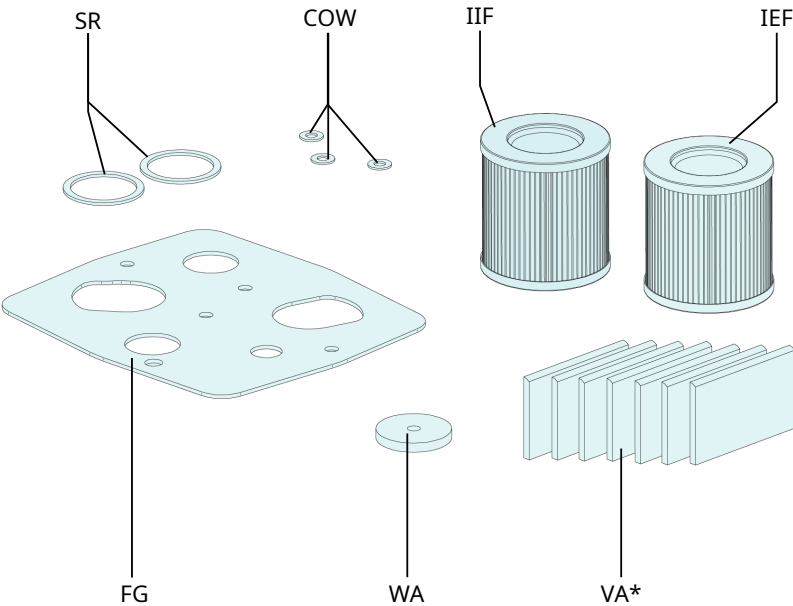
Use of non-Busch genuine spare parts.

Risk of premature failure!

Loss of efficiency!

- Use only Busch genuine spare parts, consumables and supplies to ensure correct operation of the machine and to validate the warranty.

11.1 Overview



Description			
COW	Copper washer	FG	Flat gasket
WA	Washer	IEF	Internal exhaust filter
IIF	Internal inlet filter	SR	Sealing ring
VA*	Vane		

Refer to the following table (see *Available Kits* [→ 25]) to know the corresponding kit content to your product configuration.

* The vane type acc. to the specification (only for the SV 1025 C / SV 1040 D)

11.2 Available Kits

Spare parts kit	Description	Part no.
Service kit (SV 1010 C)	Includes: 3 x (COW) / 1 x (FG) / 1 x (WA) / 1 x (IIF) / 7 x (VA)	0994 567 109
Service kit (SD 1010 C)	Includes: 3 x (COW) / 1 x (FG) / 1 x (IEF) / 1 x (IIF) / 1 x (SR) / 7 x (VA)	0994 567 110
Service kit (SV 1016 C)	Includes: 3 x (COW) / 1 x (FG) / 1 x (WA) / 1 x (IIF) / 7 x (VA)	0994 567 111
Service kit (SD 1016 C)	Includes: 3 x (COW) / 1 x (FG) / 1 x (IEF) / 1 x (IIF) / 1 x (SR) / 7 x (VA)	0994 567 112
Service kit (SV 1025 C) With ZIRKON vanes	Includes: 3 x (COW) / 1 x (FG) / 1 x (WA) / 1 x (IIF) / 7 x (VA)	0994 567 101
Service kit (SV 1025 C) With NIOB vanes	Includes: 3 x (COW) / 1 x (FG) / 1 x (WA) / 1 x (IIF) / 7 x (VA)	0994 528 979
Service kit (SD 1025 C)	Includes: 3 x (COW) / 1 x (FG) / 1 x (IEF) / 1 x (IIF) / 1 x (SR) / 7x (VA)	0994 567 102
Service kit (SV 1040 D) With ZIRKON vanes	Includes: 3 x (COW) / 1 x (FG) / 1 x (WA) / 1 x (IIF) / 7 x (VA)	0994 567 103
Service kit (SV 1040 D) With NIOB vanes	Includes: 3 x (COW) / 1 x (FG) / 1 x (WA) / 1 x (IIF) / 7 x (VA)	0994 528 981
Service kit (SD 1040 D)	Includes: 3 x (COW) / 1 x (FG) / 1 x (IEF) / 1 x (IIF) / 1 x (SR) / 7 x (VA)	0994 567 104

12 Troubleshooting



DANGER

Live wires.

Risk of electrical shock!

- Electrical installation work must only be executed by qualified personnel.

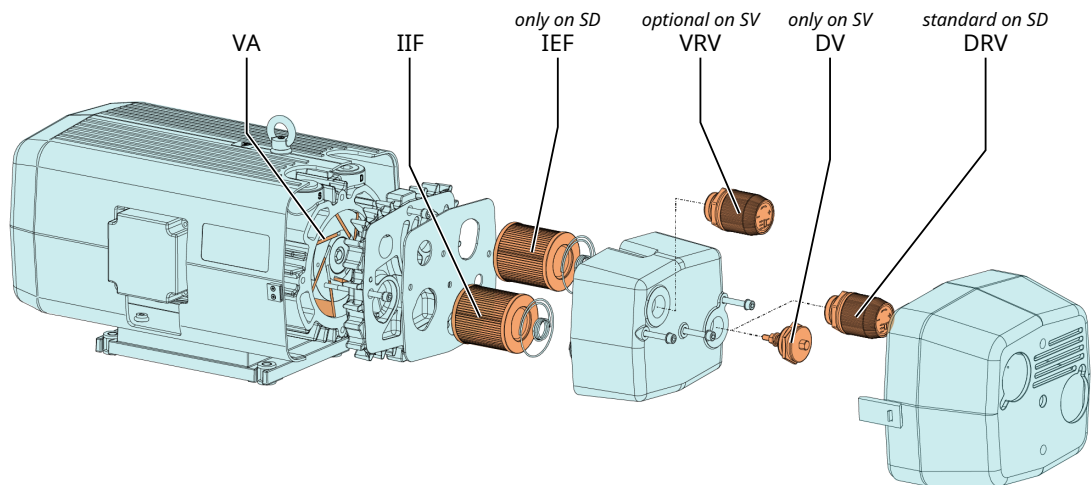


CAUTION

Hot surface.

Risk of burns!

- Before doing anything that requires touching the machine, let it cool down first.



Problem	Possible Cause	Remedy
The machine does not start.	The motor is not supplied with the correct voltage.	Check the power supply.
	The motor is defective.	Repair the machine (contact Busch).
The machine does not reach the usual pressure.	The internal filters (IIF, IDF) are partially clogged.	Replace the filter cartridge.
	The inlet filter cartridge (optional) is partially clogged.	Replace the inlet filter cartridge.
	One of the regulating valves (VRV, PRV) is jammed in an open position	Dismantle, clean, check and reassemble the regulating valve (contact Busch).
	Stuck vanes.	Free the vanes or replace them.
	The vanes (VA)* are worn	Replace the vanes*
	The washer of the exhaust valve (EXV) is partially clogged (SV version only).	Dismantle the exhaust valve and change the washer.

Problem	Possible Cause	Remedy
The machine runs very noisily.	The machine runs in the wrong direction	• Check the direction of rotation.
	Defective bearings.	• Repair the machine (contact Busch).
The machine runs too hot.	Insufficient cooling.	• Remove dust and dirt from the machine.
	Ambient temperature too high.	• Observe the permitted ambient temperature.
	The internal filters (IIF, IEF) are partially clogged.	• Replace the filter cartridge.
	The inlet filter (optional) is partially clogged.	• Replace the filter cartridge.

For resolution of problems not listed in the troubleshooting table, contact your Busch representative.

* The vane type acc. to the specification (only for the SV 1025 C / SV 1040 D)

13 Technical Data

		SV 1010 C	SV 1016 C	SV 1025 C	SV 1040 D
Nominal pumping speed (50 / 60 Hz)	m ³ /h	10 / 12	16 / 19	25 / 30	40 / 48
Ultimate pressure	hPa (mbar) abs.	150		120	
Nominal motor rating (50 / 60 Hz)	kW	0.37 / 0.37	0.55 / 0.55	0.9 / 0.9	1.25 / 1.25
Nominal motor speed (50 / 60 Hz)	min ⁻¹	1500 / 1800			
Sound pressure level (ISO 2151), KpA = 3 dB (50 / 60 Hz)	dB(A)	58 / 61	60 / 65	64 / 65	65 / 66
Ambient temperature	°C	0 ... 40			
Ambient pressure		Atmospheric pressure			
Weight approx.	kg	21	25	33	38

		SD 1010 C	SD 1016 C	SD 1025 C	SD 1040 D
Volume flow (50 / 60 Hz)	m ³ /h	10 / 12	16 / 19	25 / 30	40 / 48
Overpressure	bar(g)	0.6		0.6 (1.0) *	
Nominal motor rating (50 / 60 Hz)	kW	0.37 / 0.37	0.55 / 0.55	0.9 / 0.9	1.25 / 1.25
Nominal motor speed (50 / 60 Hz)	min ⁻¹	1500 / 1800			
Sound pressure level (ISO 2151), KpA = 3 dB (50 / 60 Hz)	dB(A)	56 / 58	57 / 60	64 / 66	67 / 70
Ambient temperature	°C	0 ... 40			
Ambient pressure		Atmospheric pressure			
Weight approx.	kg	21	25	33	38

*Specific SD 1 bar(g) version

Note: Relative humidity (30-60) %

14 EU Declaration of Conformity

This Declaration of Conformity and the CE-markings affixed to the name plate are valid for the machine within the Busch scope of delivery. This Declaration of Conformity is issued under the sole responsibility of the manufacturer.

When this machine is integrated into a superordinate machinery, the manufacturer of the superordinate machinery (this can be the operating company, too) must conduct the conformity assessment process for the superordinate machine or plant, issue the Declaration of Conformity for it and affix the CE-marking.

The manufacturer

Busch Výroba CZ s.r.o.
Svárovská 620
CZ 460 01, Liberec 11

declares that the machine: vacuum pump' or 'compressor SECO SV 1010 C; SECO SV 1016 C; SECO SV 1025 C; SECO SV 1040 D; SECO SD 1010 C; SECO SD 1016 C; SECO SD 1025 C; SECO SD 1040 D

fulfill(s) all the relevant provisions from EU directives:

- 'Machinery Directive' 2006/42/EC, if the serial number is less than or equal to CZM126999999
- 'Machinery Regulation' (EU) 2023/1230, if the serial number is greater than or equal to CZM127000000
- 'Electromagnetic Compatibility' (EMC) 2014/30/EU
- 'RoHS' 2011/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment (incl. all related applicable amendments)

and comply(-ies) with the following harmonized standards that have been used to fulfill those provisions:

Standard	Title of the Standard
EN ISO 12100 : 2010	Safety of machinery - Basic concepts, general principles of design
EN 1012-1 : 2010 EN 1012-3 : 2013	Compressors - Safety requirements - Part 1 and Part 3
EN 60204-1 : 2018	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN ISO 13857 : 2019	Safety of machinery - Safety distances to prevent hazard zones being reached by the upper and lower limbs
EN ISO 2151 : 2008	Acoustics - Noise test code for compressors and vacuum pumps - Engineering method (grade 2)
EN IEC 61000-6-2 : 2019	Electromagnetic compatibility (EMC) - Generic standards. Immunity for industrial environments
EN IEC 61000-6-4 : 2019	Electromagnetic compatibility (EMC) - Generic standards. Emission standard for industrial environments

Legal person authorized to compile the technical file and authorized representative in the EU (if the manufacturer is not located in the EU):

Busch Dienste GmbH, Schauinslandstr. 1, DE-79689 Maulburg

Liberec, 2025.04.07



Michael Dostalek, General Manager

Busch Výroba CZ s.r.o.

15 UK Declaration of Conformity

This Declaration of Conformity and the UKCA-markings affixed to the name plate are valid for the machine within the Busch scope of delivery. This Declaration of Conformity is issued under the sole responsibility of the manufacturer.

When this machine is integrated into a superordinate machinery, the manufacturer of the superordinate machinery (this can be the operating company, too) must conduct the conformity assessment process for the superordinate machine or plant, issue the Declaration of Conformity for it and affix the UKCA-marking.

The manufacturer

Busch Výroba CZ s.r.o.
Svárovská 620
CZ 460 01, Liberec 11

declares that the machine: vacuum pump' or 'compressor SECO SV 1010 C; SECO SV 1016 C; SECO SV 1025 C; SECO SV 1040 D; SECO SD 1010 C; SECO SD 1016 C; SECO SD 1025 C; SECO SD 1040 D

fulfill(s) all the relevant provisions from UK legislations:

- Supply of Machinery (Safety) Regulations 2008
- Electromagnetic Compatibility Regulations 2016
- Restriction of the use of certain hazardous substances in Electrical and Electronic Equipment Regulations 2012

and comply(-ies) with the following designated standards that have been used to fulfill those provisions:

Standard	Title of the Standard
EN ISO 12100 : 2010	Safety of machinery - Basic concepts, general principles of design
EN 1012-1 : 2010 EN 1012-3 : 2013	Compressors - Safety requirements - Part 1 and Part 3
EN 60204-1 : 2018	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN ISO 13857 : 2019	Safety of machinery - Safety distances to prevent hazard zones being reached by the upper and lower limbs
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EN IEC 61000-6-2 : 2019	Electromagnetic compatibility (EMC) - Generic standards. Immunity for industrial environments
EN IEC 61000-6-4 : 2019	Electromagnetic compatibility (EMC) - Generic standards. Emission standard for industrial environments

Legal person authorized to compile the technical file and importer in the UK (if the manufacturer is not located in the UK):

Busch (UK) Ltd, 30 Hortonwood, Telford – UK

Liberec, 2025.04.07



Michael Dostalek, General Manager

Busch Výroba CZ s.r.o.

BUSCH GROUP

The Busch Group is one of the world's largest manufacturers of vacuum pumps, vacuum systems, blowers, compressors and gas abatement systems. Under its umbrella, the group houses two well-known brands: Busch Vacuum Solutions and Pfeiffer Vacuum+Fab Solutions. Together, they offer solutions to a wide range of industries. A global network of highly competent local teams in 44 countries ensures that expert, tailor-made support is always available near you. Wherever you are. Whatever your business.



● Busch Group companies

▲ Busch Group production sites

● Busch Group service centers

■ Busch Group local representatives

www.buschvacuum.com

www.pfeiffer-vacuum.com