

# Vacuum Operation Center VOC

Suction capacities of 40, 63 and 100 m<sup>3</sup>/h



Vacuum Operation Center VOC



System design Vacuum Operation Center VOC



Vacuum Operation Center VOC for vacuum generation in wet working conditions

## Suitability for industry specific applications

### Application

- Vacuum Operation Center VOC as a complete system ready to connect
- Specifically for evacuation of gaseous media containing liquids
- Liquid sucked in, such as cooling lubricants are separated and automatically returned to the machining cycle
- Audible, visual and electronic system monitoring for maximum security and control in standard machine operation
- Designed to be integrated in the machine control of the CNC machining center
- Three-shift and continuous operation possible, without interruption of processing

### Design

- Signal lamps and audible alarm sounds (1) and vacuum gauge (2) for vacuum level in reservoir
- Vacuum and liquid reservoir (3)
- Interface for automatic liquid recirculation (4)
- Water separator (5) for separation of remaining liquid
- Vacuum switch (6) with digital or analog output for the control; control panel (7) of self-sufficient execution
- Base frame (8) with rear-mounted vacuum pump (9)

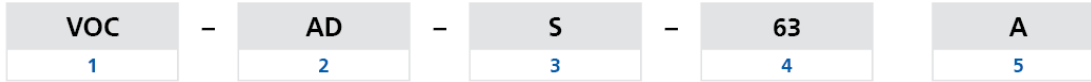
### Product highlights

- Uninterrupted processing even with large parts, as liquids are automatically returned to the machine circuit
- Vacuum and level monitoring guarantees maximum process control and transparency
- Monitoring and operation via the machine panel possible, as sensor/control signals can be integrated

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## Designation code Vacuum Operation Center VOC



### 1 – Abbreviated designation

Code	Version
VOC	VOC

### 2 – Function

Code	Version
AD	Automatic emptying

### 3 – Type of control

Code	Version
S	PLC-controlled

### 4 – Performance class

Code	Suction rate in m <sup>3</sup> /h
40...100	40 to 100

### 5 – Product addition

Code	Operation mode
A	Self-sufficient

The Vacuum Operation Center is supplied as a ready-to-connect product.

Available spare parts: Proximity switch, vacuum gauge, filter insert, sieve insert, oil, pinch valve, accessories, vacuum pump

## Ordering data Vacuum Operation Center VOC

Type	Part no.
VOC-AD-S-63	10.01.27.01882
VOC-AD-S-63-A	10.01.27.01829
VOC-AD-S-100	10.01.27.01881
VOC-AD-S-100-A	10.01.27.01764

## Ordering data Spare parts Vacuum Operation Center VOC

Type	Part no.
Proximity switch	NAEH-SCHA 24V-DC 21.01.09.00060
Vacuum gauge	VAM 67 V H-SE BAR/PSI 10.07.02.00016
Filter insert (round)	FILT-EINS 77x90 PE WAS-ABS 10.07.01.00310
Sieve insert	SIEB-EINS 36x 50 VOC 10.01.27.01621
Oil	OEL EVE-OG 1L ANDEROL 555 27.02.01.00055
Pinch valve	QV G3/8-IG 10.05.06.00085
Pinch valve	QV G1-IG 10.05.06.00086

Type	Spare parts	Part no.
VOC-AD-S-63	Accessories	ZUB BEL EVE-OG 63/100-AC3 22.09.03.00024
VOC-AD-S-63-A	Accessories	ZUB BEL EVE-OG 63/100-AC3 22.09.03.00024
VOC-AD-S-100	Accessories	ZUB BEL EVE-OG 63/100-AC3 22.09.03.00024
VOC-AD-S-100-A	Accessories	ZUB BEL EVE-OG 63/100-AC3 22.09.03.00024

Type	Spare parts	Part no.
VOC-AD-S-63	Vacuum pump	EVE-OG 100 AC3 AQUA IE3 10.03.02.00094
VOC-AD-S-63-A	Vacuum pump	EVE-OG 63 AC3 AQUA IE2 10.03.02.00076
VOC-AD-S-100	Vacuum pump	EVE-OG 100 AC3 AQUA IE3 10.03.02.00094
VOC-AD-S-100-A	Vacuum pump	EVE-OG 100 AC3 AQUA IE3 10.03.02.00094

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### Technical data Vacuum Operation Center VOC

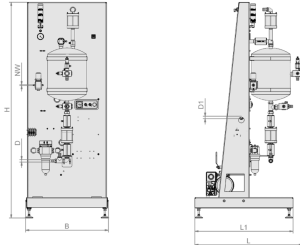
Type	Reservoir volume [l]	Voltage 50 Hz	Rated power at 50 Hz [kW]	Suction rate (max.) [m <sup>3</sup> /h]
VOC-AD-S-63	60	330-400AC3	-	63
VOC-AD-S-63-A	60	330-400AC3	-	63
VOC-AD-S-100	60	330-400AC3	2.7	100
VOC-AD-S-100-A	60	330-400AC3	2.7	100

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## Design data Vacuum Operation Center VOC

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VOC

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Type	B [mm]	D [mm]	D1 [mm]	H [mm]	L [mm]	L1 [mm]	NW [mm]
VOC-AD-S-63	1,000	32	32	2,200	940	1,000	7.2
VOC-AD-S-63-A	1,000	32	32	2,200	940	1,000	7.2
VOC-AD-S-100	1,000	32	32	2,200	940	1,000	7.2
VOC-AD-S-100-A	1,000	32	32	2,200	940	1,000	7.2