SEPARATORS SERIES VE

PRODUCT ADVANTAGES



Mechanical forced control

Guarantees process reliability for your application since only one workpiece can be separated and guided through at a time

Decide for yourself!

Sensing via magnetic field sensors or inductive proximity switches: Unlike the benchmark, you are free to choose!

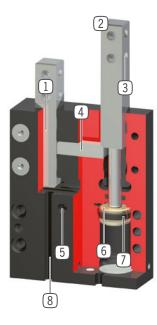
Failure-free continuous operation

Our uncompromising "Made in Germany" quality guarantees up to 10 million maintenance-free cycles

SERIES CHARACTERISTICS

Installation size					
	VEXX				
10 million maintenance-free cycles (max.)	•				
+ 💭 Inductive sensor	•				
Hagnetic field sensor	•				
IP 40 IP40	•				

BENEFITS IN DETAIL



TECHNICAL DATA

1	Square guide - rugged, high forces and moments capacity
2	Tapped rod - hardened steel
3	Mounting - individual seperator finger mounting
(4)	Locking - integrated, mechanical locking
5	Energy supply - possible from several sides
6	Drive - two double-acting pneumatic cylinders
7	Permanent magnet - installed in piston area

8 Sensing

- groove for positioning of the magnetic field sensor

	Stroke	Force in retract	Force in extend	Weight	IP class
Installation size	[mm]	[N]	[N]	[kg]	
VE10	10	30	40	0.16	IP40
VE14	20	65	80	0.3	IP40
VE15	40	65	80	0.49	IP40
VE22	30	170	220	0.92	IP40
VE23	60	170	220	1.5	IP40

FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

SEPARATORS INSTALLATION SIZE VE10

PRODUCT SPECIFICATIONS

Forces and moments Shows static forces and torques that may be present on the plunger . Mx My,∕ ∏_ ĥ ₽^{Mr} Mr [Nm] 3 Mx [Nm] З 3 My [Nm] 75 Fa [N] RECOMMENDED ACCESSORIES **SENSORS** ENERGY SUPPLY MFS01-S-KHC-P1-PNP GVM5 Magnetic field sensor angled, cable 0.3 m - M8 B Straight Fittings - Quick Connect Style connector WVM5 MFS02-K-KHC-P1-PNP Angled Fittings - Quick Connect Style Magnetic field sensor straight, cable 5 m MFS02-S-KHC-P1-PNP **SENSORS** Magnetic field sensor straight, cable 0.3 m - M8 connector KB8-20 Mounting block **CONNECTIONS / OTHER** KAG500 -NJ8-E2 Plug-in connector Straight Cable 5m - Socket M8 Inductive proximity switch - Cable 5 m (female) KAW500 NJ8-E2S Plug-in connector Angled Cable 5m - Socket M8 Inductive proximity switch - Connector M8 (female)

MFS01-K-KHC-P1-PNP Magnetic field sensor angled, cable 5 m

	Technical data
Order no.	VE10-B
Stroke per tapped rod [mm]	10
Force in extend [N]	40
Force in retract [N]	30
Self locking mechanism	mechanical
Cycle count [s]	0.04
Repetition accuracy +/- [mm]	0.05
Operating pressure min. [bar]	3
Operating pressure max. [bar]	8
Nominal operating pressure [bar]	6
Operating temperature min. [°C]	5
Operating temperature max. [°C]	+80
Air volume per cycle [cm ³]	3
Weight [kg]	0.16

