

Spare Parts Catalogue

Two-Way-Diverter Valve WZK 50 – 250 - P

Spare Parts Catalogue Number

S59337_GB_2021-06



If necessary, contact our Service Center:

Mailing address:	Plant and delivery address:
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Email:	service@coperion.com

To be able to ensure smooth and speedy handling, we need the following information from you:

- Serial number (information on the name plate)
- Type designation
- Coperion contract number with assembly (if available)
- Operating data (information on the name plate)
- Description of the problem

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(PLZ 91550)

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1 Spare and wear parts

1.1 Spare parts inventory

Having the most important spare and wear parts on hand at the setup location is an important condition for the continuous operation and operational readiness of the diverter valve.

Please use the spare parts list to order spare parts.

The spare parts drawings listed in the spare parts list can provide additional information.

We only guarantee the genuine spare parts that we supply.

We expressly state that genuine spare parts and accessories not supplied by us have also not been tested or approved by us. Installing and/or using such products may have a negative impact, under certain circumstances, on the properties of the diverter valve specified in the design and consequently may impair active and/or passive safety. Coperion does not assume any liability or provide any warranty for damage resulting from the use of non-genuine spare parts and accessories.



Malfunction or failure of the machine resulting from poor-quality spare parts!

When being used in potentially explosive atmospheres and/or as a protection system, poor-quality or incorrect spare parts may lead to the creation of an ignition source and may trigger explosions.

- ▶ Use only genuine Coperion spare parts.
- ▶ The use of genuine spare parts is required, depending on national specifications.

Keep in mind that, for in-house or foreign parts, there are often special manufacturing and shipment specifications. We always offer you spare parts that are up-to-date and that comply with the latest legislative regulations.

When ordering spare parts, specify the following data:

Machine data:

- Serial number (information on the name plate)
- Type designation (information on the name plate)
- Coperion contract number with assembly (if available)

Spare part data:

- Repair manual number (see the cover sheet)
- Item
- Name
- Quantity

1.2 Service

Regular service performed by our technical personnel is recommended. We would like to increase the operational readiness of your components even after being in service for a long time. For this, we offer the services provided by our Service Center.

- We would be happy to negotiate a maintenance contract with you. With such a contract, we do not just perform the actual maintenance activities, we also monitor maintenance cycles, etc. This works very simply: We enter you into our service EDP file and contact you to schedule a time automatically.
- If you wish to perform maintenance yourself, we would be glad to train your operating personnel intensively regarding the operation and maintenance of Coperion components. In our Technical Center and our training rooms, we give courses that provide comprehensive knowledge about rotary valves, shut-off devices and diverter elements. This improves the option of in-house maintenance and correcting malfunctions.
- Of course, we would also be glad to perform the installation and commissioning of your Coperion components.



Malfunction / failure of the machine due to poor maintenance!

When used in a potentially explosive atmosphere and / or when used as a protection system, inadequate or incorrect maintenance can lead to an ignition source and explosions.

- ▶ Exclusive maintenance by qualified and currently trained personnel.
- ▶ Maintenance by COPERION-Service.

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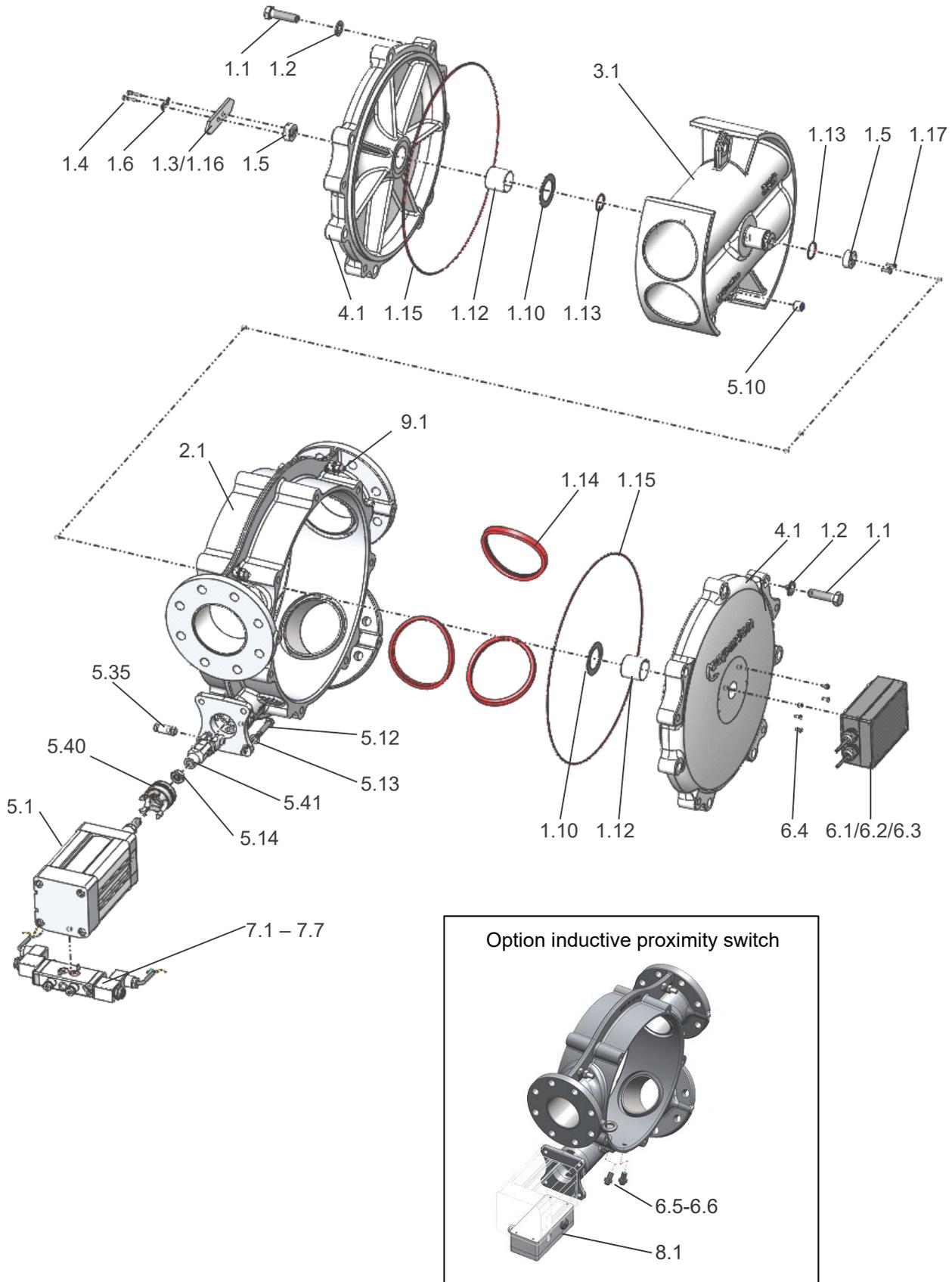
Information

For safety reasons, use only genuine Coperion spare parts.

To be able to ensure smooth and speedy handling, we need the following information from you:

- Serial number (information on the name plate)
- Type designation
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1.3 Exploded-view drawing and parts lists



Item	Designation	DIN / ISO	Quantity/unit	K*
1	ASSEMBLY PARTS			
1.1	Hexagon bolt	4017	10	
1.2	Washer	7090	10	
1.1	Hexagon bolt	4017	14	
1.2	Washer	7090	14	
1.1	Hexagon bolt	4017	20	
1.2	Washer	7090	20	
1.1	Hexagon bolt	4017	24	
1.2	Washer	7090	24	
1.1	Hexagon bolt	4017	34	
1.2	Washer	7090	34	
1.1	Hexagon bolt	4017	38	
1.2	Washer	7090	38	
1.1	Hexagon bolt	4017	42	
1.2	Washer	7090	42	
1.3	Position indicator		1	
1.4	Cylinder screw	6912	2	
1.5	Drive connector		2	
1.6	Washer	9021	2	
1.10	Thrust washer		2	V
1.12	Slide bearing		2	E
1.13	O-ring	3771	2	V
1.14	sealing ring-K		3	V
1.15	O-ring	3771	2	V
1.16	Sleeve		2	
1.17	Cylinder screw	6912	2	
2	Housing			
2.1	Housing WZK		1	
3	Rotor			
3.1	Rotor WZK		1	
4	Cover			
4.1	Cover WZK		2	
5	Drive pneumatic			
5.1	Pneumatic cylinder		1	E
5.10	Slide bearing		2	E
5.12	Hexagon bolt	4017	4	
5.13	Washer	7090	4	
5.14	Hexagon nut	439	1	
5.35	Pin		1	E
5.40	Seal set		1	V
5.41	Drive connection		1	E

E = Spare part; V = Wearing part

Item	Designation	DIN / ISO	Quantity/unit	K*
6	Signal box			
6.1	Signal box		1	
6.2	Mounting plate		1	
6.3	Cylinder screw	912	4	
6.4	Cylinder screw	6912	4	
6	Inductive proximity switch (option)			
6.5	O-ring	3771	2	E
6.6	Inductive limit switch		2	E
7	Solenoid valve			
7.1	Solenoid valve		1	E
7.2	Reel		2	
7.4	Socket screw	912	2	
7.5	Washer	7090	2	
7.7	Muffler		2	
8	Terminal box			
8.1	Terminal box		1	
9	Earthing			
9.1	Earthing screw		3	

E = Spare part; V = Wearing part

2 Appendix

2.1 Tightening torques

If no other data are provided, all fittings on the components must be tightened as per the following tables with due consideration given to the permissible mounting flanges:

Property class (bolt head)	Bolt size										
	M6	M8	M10	M12	M14	M16	M20	M24	M27	M30	M33
	Channel hole [mm]										
	6,4-7	8,4-10	10,5-12	13-14,5	15-16,5	17-18,5	21-24	25-28	28-32	31-35	34-38
Tightening torque M_a [Nm]											
5.6	4	15	21	36	57	90	176	302	446	610	815
8.8	9	23	45	77	122	192	375	645	951	-	-
10.9	14	33	66	114	179	282	551	947	1397	-	-
A2/A4 – 70	6	14	28	48	76	119	233	402	-	-	-
A2/A4 – 50	-	-	-	-	-	-	-	187	275	271	503

5.6 - 10.9: with washer, dry and zinc plated; A2/A4 – XX: with washer, greased

Property class (bolt head)	Bolt size									
	-	-	-	-	5/8"	3/4"	7/8"	1"	1 1/4"	
	Channel hole [mm]									
	-	-	-	-	17-19,1	20-22,2	23,2-25,4	26,4-28,6	32,8-34,9	
Tightening torque M_a [Nm]										
ASTM A 193 B7	-	-	-	-	291	418	679	1015	1827	
18 – 8	-	-	-	-	79	139	224	335	665	

ASTM A 193 B7: with washer, dry and zinc plated; 18 – 8: with washer, greased



Information

The tightening torques given in the table above must not be exceeded.