

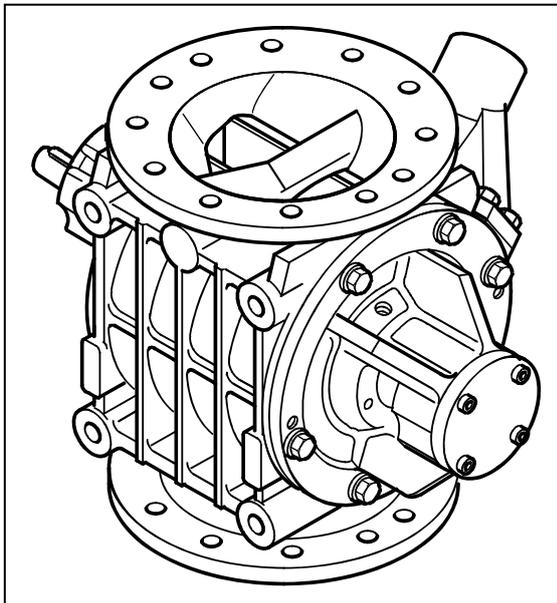
Spare parts catalog

Rotary Valve
Type ZVBT, ZGBT, ZGMT for T version (high temperature)

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Spare parts catalog number **S55657_GB_2007-03**



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Contents of Spare parts catalog

	Number	Chapter
Spare and wearing parts	K55665/GB/03-07	1.0



This Spare parts catalog must only be used in conjunction with Operating Manual M518131, which was supplied with every rotary valve as standard!

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Spare and wearing parts

Contents	Page
1 Stockkeeping of spare parts.....	2
2 Service	3

1 Stockkeeping of spare parts

It is an essential requirement for ensuring the constant function and readiness for operation of the rotary valve that a stock of the most important spare and wearing parts is kept at the site of installation.

Please refer to the spare parts list for ordering spare parts.

The drawings of spare parts are designed to provide further information.

We only guarantee original spare parts supplied by us.

We must point out expressly that original spare parts and accessories not supplied by us have neither been tested nor approved by us. The installation and/or use of such products might therefore have a negative effect on the design properties of the rotary valve, thereby impairing the active and/or passive operational reliability and safety of the unit. Coperion Waeschle does not accept any liability and warranty for damage incurred as a result of the use of non-original spare parts and accessories.



It is vital that original spare parts are used to ensure the safe operation of the rotary valve, especially in a potentially explosive atmosphere (equipment category 2GD/3GD).

Please note that there are often special manufacturing and supply specifications for our own and bought-in parts and that we always provide spare parts in line with the state-of-the-art and in accordance with the most recent statutory requirements.

Please quote the following data when ordering spare parts:

Unit data:

- Serial number (shown on rating plate)
- Type designation (shown on rating plate)
- Coperion Waeschle order number with sub-assembly (if applicable)

Spare parts data:

- Spare parts catalog number (see front cover)
- Item
- Designation
- Quantity

2 Service

We recommend a regular service by our qualified technical team. We would like to increase the operability of your components even after prolonged periods of use and can therefore offer you the facilities of our service centre.

- We would be pleased to offer you a maintenance contract. This means that we would not only undertake to carry out the actual maintenance work, but also monitor the maintenance cycles etc. This operates very simply: We simply enter your records in our service computer file and contact you automatically to arrange a convenient date.
- If you would like to carry out the maintenance work yourself, we would be pleased to provide intensive training for your operating personnel with regard to the operation and repair of Coperion Waeschle components. We run courses in our engineering department and our teaching facilities to provide you with comprehensive information about rotary valves, shut-off and diverter valves to improve your ability to carry out your own maintenance work and troubleshooting.
- Naturally we would also be pleased to carry out the assembly and commissioning of your Coperion Waeschle components.

If you require any of these facilities, please contact our Service Centre:

Coperion Waeschle GmbH & Co. KG

P.O. Box 4065

D-88219 Weingarten

Telephone: +49 / 751 4 08-0

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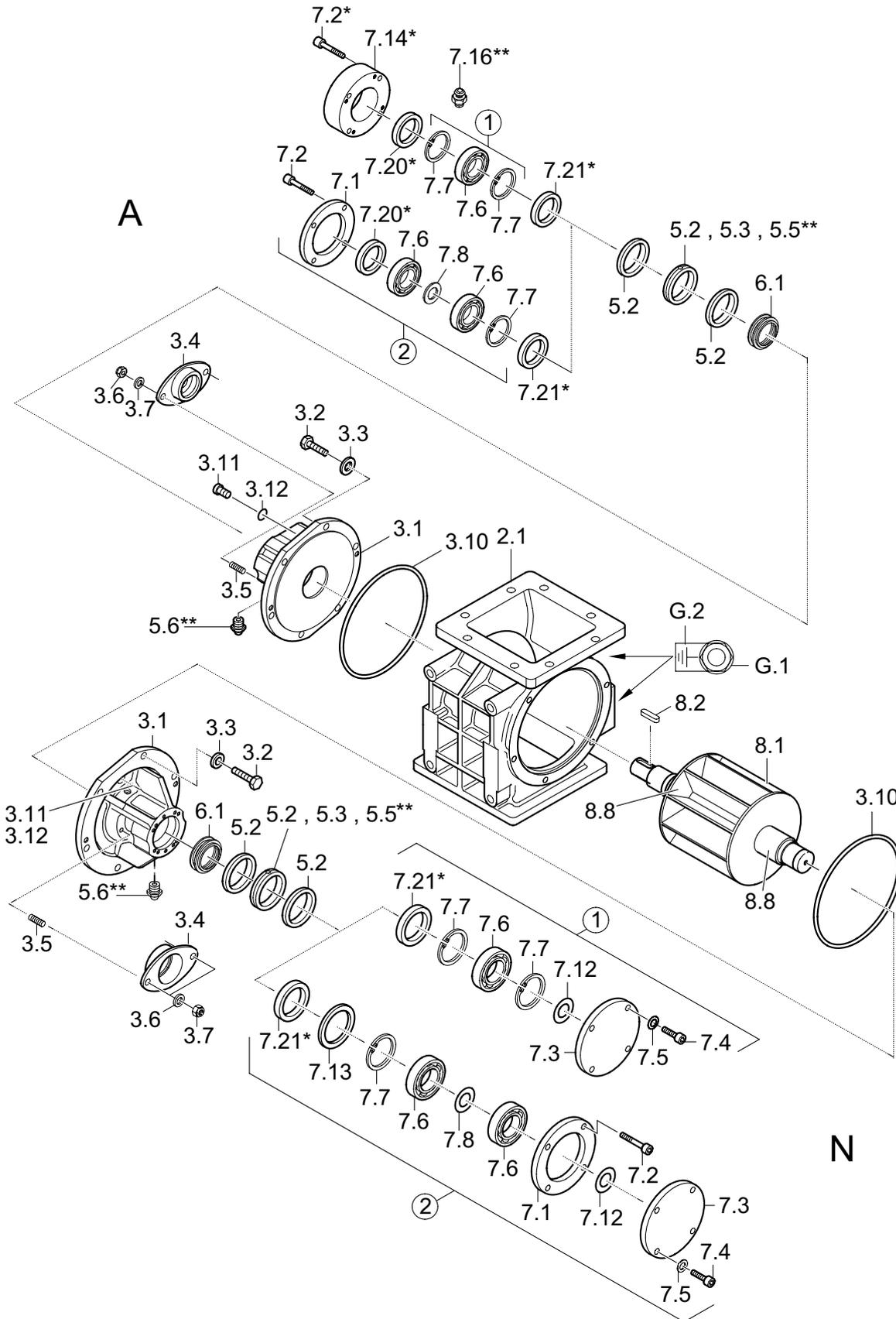


For safety reasons you should only use original Coperion Waeschle spare parts.

To allow us to deal with your requests quickly and efficiently, we require the following information:

- Serial number (shown on rating plate)
- Type designation (shown on rating plate)
- Coperion Waeschle order number with sub-assembly (if applicable)
- Description of the problem
- Operating data

Standard version (.1 version)



* Additional for grease lubrication
** Depending on shaft seal

A = Drive end
N = Non-drive end

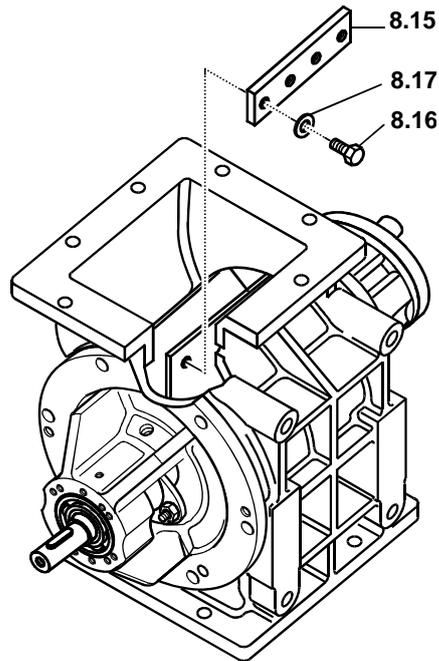
① = Up to size 400
② = Size 480 and above

Item	Designation	DIN	Quantity/unit	K*
2	HOUSING			
2.1	Housing ZK	-	1	
2.1	Housing ZG	-	1	
2.1	Housing ZP	-	1	
3/4**	SIDE COVER			
3.1/4.1	Side cover	-	2	
3.2/4.2	Hexagon bolt	933	12 (size 200 to 320) 16 (size 400) 20 (size 480) 24 (size 550 to 630)	
3.3/4.3	Washer	125	12 (size 200 to 320) 16 (size 400) 20 (size 480) 24 (size 550 to 630)	
3.4/4.4	Gland	-	2	
3.5/4.5	Set screw	916	4	
3.6/4.6	Hexagon nut	934	4	
3.7/4.7	Washer	125	4	
3.9/4.9	Screw plug	906	4	
3.10/4.10	O-ring	-	2	V
3.11/4.11	Screw plug R 1/2	910	2	
3.12/4.12	Seal ring	7603	2	
5/M**	SHAFT SEAL			
	WLN/WLF			
5.2/M.2	Shaft seal ring	-	4	V
5.3/M.3	Intermediate ring	-	2	E
	WSN/WSF/WSG			
5.2/M.2	Shaft seal ring	-	4	V
5.5/M.5	Lubricating ring	-	2	E
5.6/M.6	Lubricating nipple	-	2	
	SL			
5.2/M.2	Stuffing box packing	-	6	V
	SS			
5.2/M.2	Stuffing box packing	-	4	V
5.5/M.3	Lubricating ring	-	2	E
5.6/M.6	Lubricating nipple	71412	2	

* E = Spare part; V = Wearing part / ** For .2 version only

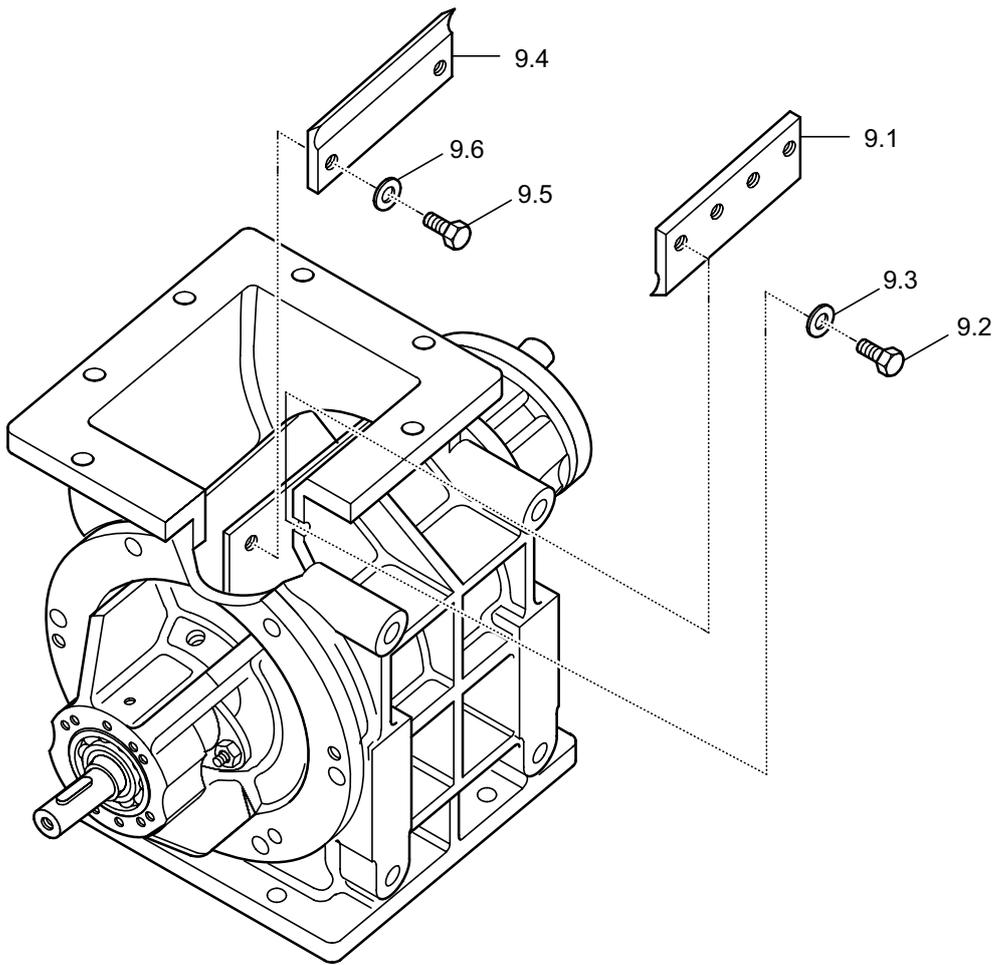
Item	Designation	DIN	Quantity/unit	K*
6/N**	LABYRINTH RING			
6.1/N.1	Labyrinth ring	-	2 (1 each in the .2 version)	V
7	BEARING SET			
7.1	Bearing ring	-	2 (from size 480/1 for .2 version)	E
7.2	Bolt	912	8 (from size 480/4 for .2 version)	
7.3	Cover plate	-	1	E
7.4	Hexagon bolt	912	4	
7.5	Washer	125	4	
7.6	Anti-friction bearing	625	2 (4 from size 480/2 for .2 version)	E
7.7	Retaining ring	472	4 (2 from size 480/1 for .2 version)	
7.8	Spacer	988	1 (2 from size 480/1 for .2 version)	E
7.10	Lock washer	-	1 (for .3 version only)	E
7.11	Slotted nut	1804	1 (for .3 version only)	E
7.12	Retaining ring	471	1	
7.13	Supporting ring	988	1 (from size 320)	
7.14	Intermediate ring	-	1 (up to size 400)	E
7.15	Spacer	-	1 (for .3 version only)	
7.16	Lubricating nipple	71412	2 (for grease lubrication only)	
7.20	Shaft seal ring	-	1 (for grease lubrication only)	V
7.21	Shaft seal ring	-	2 (for grease lubrication only)	V
7.31	Bearing ring	-	1 (for .2 version only)	E
7.32	Bolt	912	4 (for .2 version only)	
7.36	Anti-friction bearing	625	2 (for .2 version only)	V
7.37	Retaining ring	472	1 (for .2 version only)	
7.38	Spacer	988	1 (for .2 version only)	E
7.42	Retaining ring	471	1 (for .2 version only)	
7.50	Shaft seal ring	-	1 (for grease lubrication and .2 version only)	V
7.51	Shaft seal ring	-	1 (for grease lubrication and .2 version only)	V

* E = Spare part; V = Wearing part / ** For .2 version only



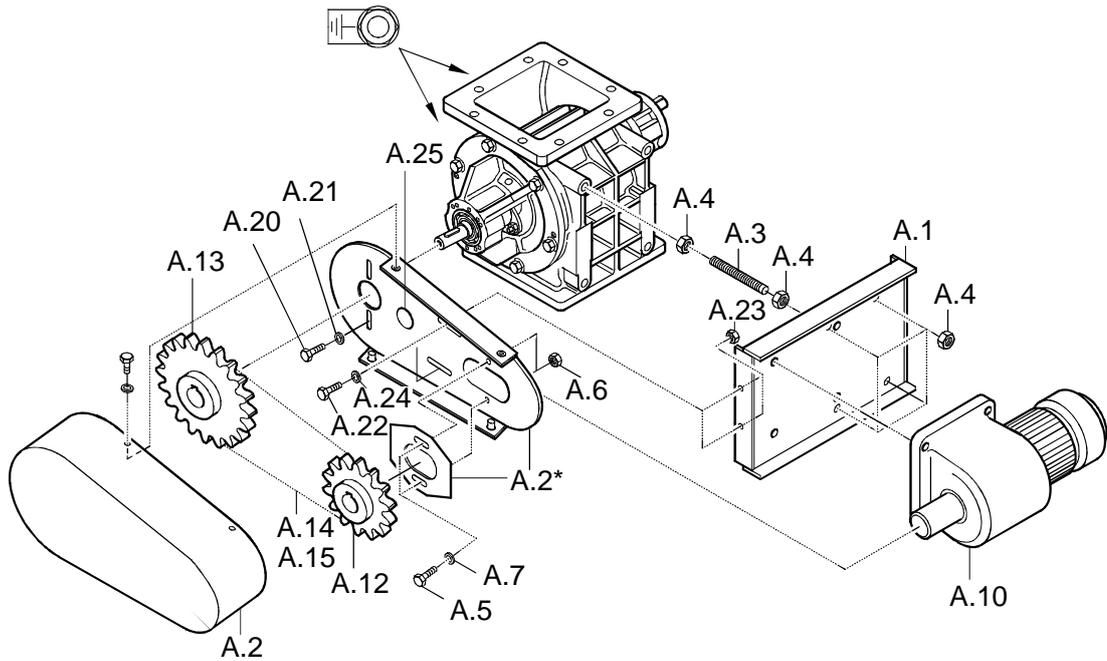
Item	Designation	DIN	Quantity/unit	K*
8	STAR WHEEL			
8.1	Star wheel	-	1	
8.2	Feather key	6885	1	
8.3	Sleeve		1 (only for .3 version)	E
8.4	Feather key	6885	1 (only for .3 version)	
8.5	Bolt	6912	1 (only for .3 version)	
8.6	Hexagon bolt	933	1 (only for .3 version)	
8.7	Seal ring		1 (only for .3 version)	V
8.8	Wearing sleeve		2 (option)	E
8.9	Drive sleeve		1 (only for .3 version)	E
8.10	Feather key	6885	1 (only for .3 version)	
8.11	Bolt	6912	1 (only for .3 version)	
8.12	Retaining ring	471	1 (only for .2/.3 version)	
8.15	Wearing strip		-	V
8.16	Hexagon bolt	933	-	
8.17	Washer	125	-	
8.20	Driving sleeve (claw coupling)		1 (only for .2 version)	E
8.21	Coupling flange (claw coupling)		1 (only for .2 version)	E
8.22	Hexagon bolt	933	5 (only for .2 version)	
8.23	Washer	125	5 (only for .2 version)	
8.24	Protecting sleeve	-	1 (only for .2 version)	
8.25	Hexagon bolt	933	1 (only for .2 version)	
8.26	Seal ring	-	1 (only for .2 version)	E

* E = Spare part; V = Wearing part



Item	Designation	DIN	Quantity/unit	K*
G	EARTHING			
G.1	Earthing screw, complete	-	2	
G.2	Earth mark	-	2	
9	SCRAPER BLADE SET			
	Housing			
9.1	Scraper blade	-	-	V
9.2	Hexagon bolt	933	-	
9.3	Washer	125	-	
	Star wheel			
9.4	Scraper blade	-	-	V
9.5	Hexagon bolt	933	-	
9.6	Washer	125	-	

* E = Spare part; V = Wearing part

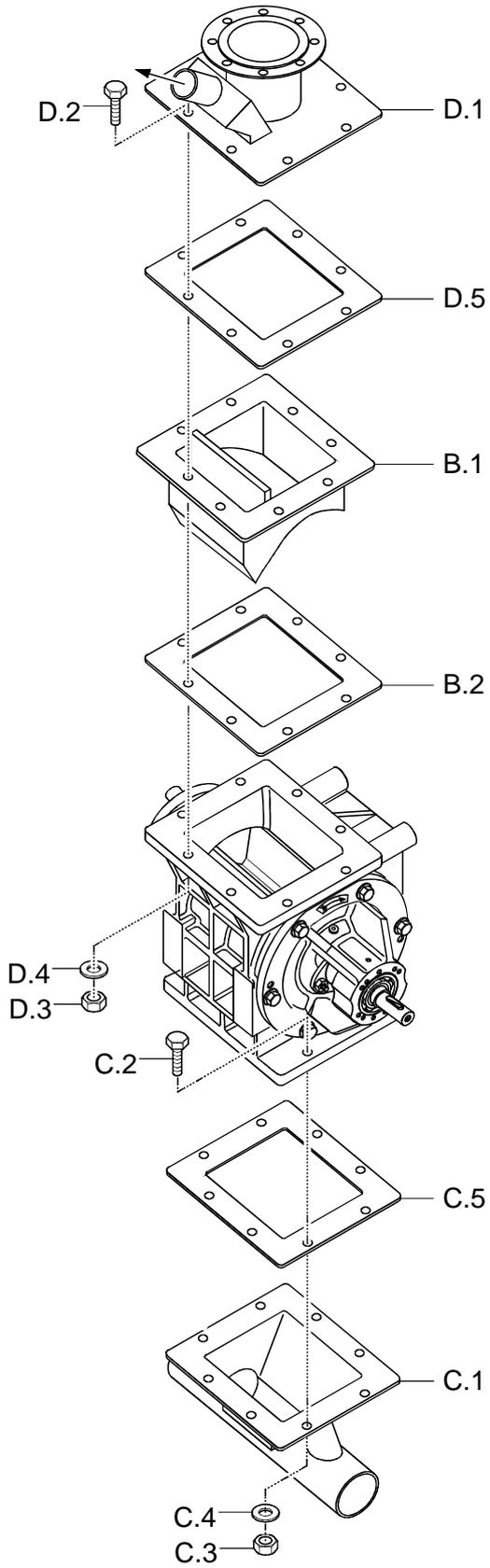


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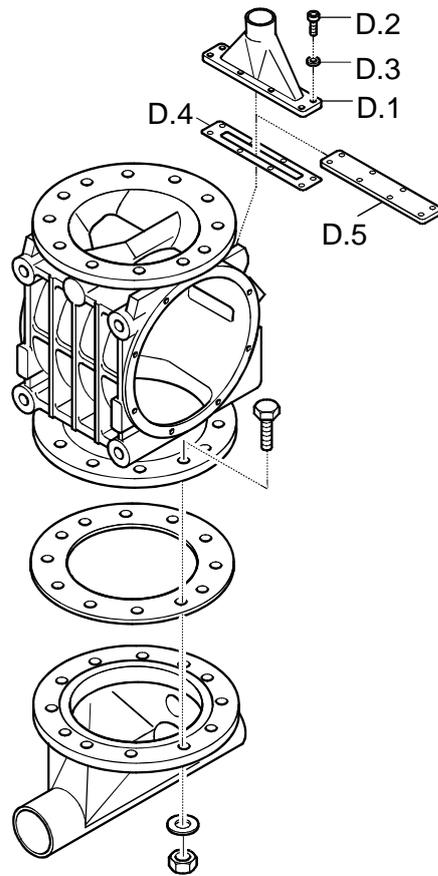
Item	Designation	DIN	Quantity/unit	K*
A	MOTOR ATTACHMENT			
	Geared motor with chain drive			
A.1	Motor base plate	-	1	
A.2	Chain guard complete	-	1	
A.3	Threaded rod	-	4	
A.4	Hexagon nut	934	12	
A.5	Hexagon bolt	933	4	
A.6	Hexagon nut	934	4	
A.7	Washer	125	8	
A.10	Geared motor	-	1	
A.12	Motor sprocket wheel	-	1	
A.13	Star wheel sprocket wheel	-	1	
A.14	Chain	8187	1	V
A.15	Shackle type connector	-	1	V
A.20	Hexagon bolt	933	2	
A.21	Washer	125	2	
A.22	Hexagon bolt	933	2	
A.23	Hexagon nut	934	2	
A.24	Washer	125	2	
A.25	Grommet	-	1	

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Type ZK_

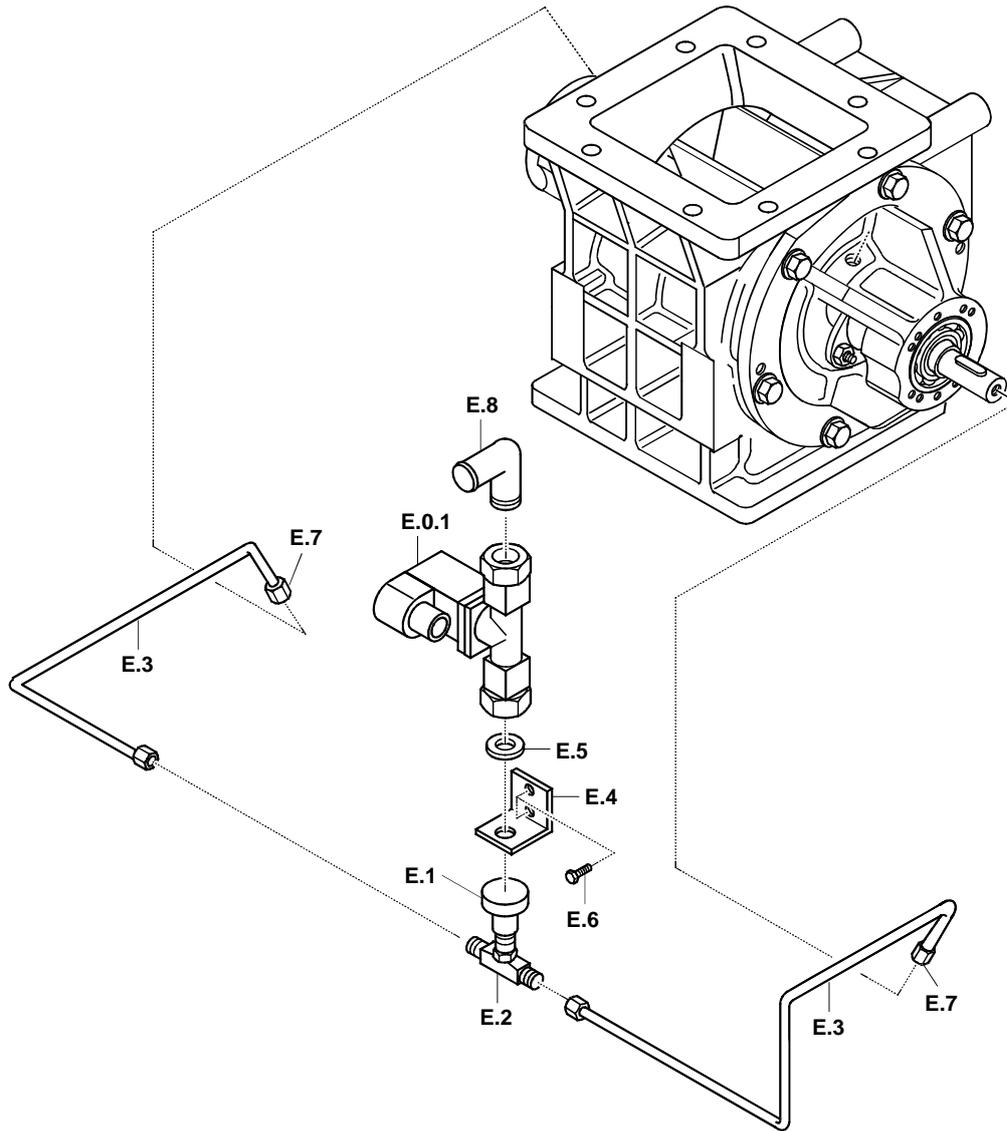


Type ZP_/ZG_



Item	Designation	DIN	Quantity/unit	K*
B	INLET PLATE			
B.1	Powder inlet plate	-	1	
B.2	Gasket	-	1	
C	PICK-UP TEE			
	Type ZK_			
C.1	Pick-up tee	-	1	
C.2	Hexagon bolt	933	-	
C.3	Hexagon nut	934	-	
C.4	Washer	125	-	
C.5	Gasket	-	1	
	Type ZP_/ZG_			
C.1	Pick-up tee	-	1	
C.2	Hexagon bolt	933	-	
C.3	Hexagon nut	934	-	
C.4	Washer	125	-	
C.5	Gasket	-	1	
D	GAS VENTING DEVICE / GAS LEAKAGE CONNECTION			
D.1	Gas venting device ZK_	-	1	
D.2	Hexagon bolt	933	-	
D.3	Hexagon nut	934	-	
D.4	Washer	125	-	
D.5	Gasket	-	1	
D.1	Gas leakage connection ZG_	-	1	
D.2	Bolt		-	
D.3	Washer		-	
D.4	Gasket		1	
D.5	Blank flange		1	
D.1	Gas leakage connection ZP_	-	1	
D.2	Hexagon bolt		2	
D.3	Washer		2	
D.4	Gasket		1	
D.5	Blank flange		1	

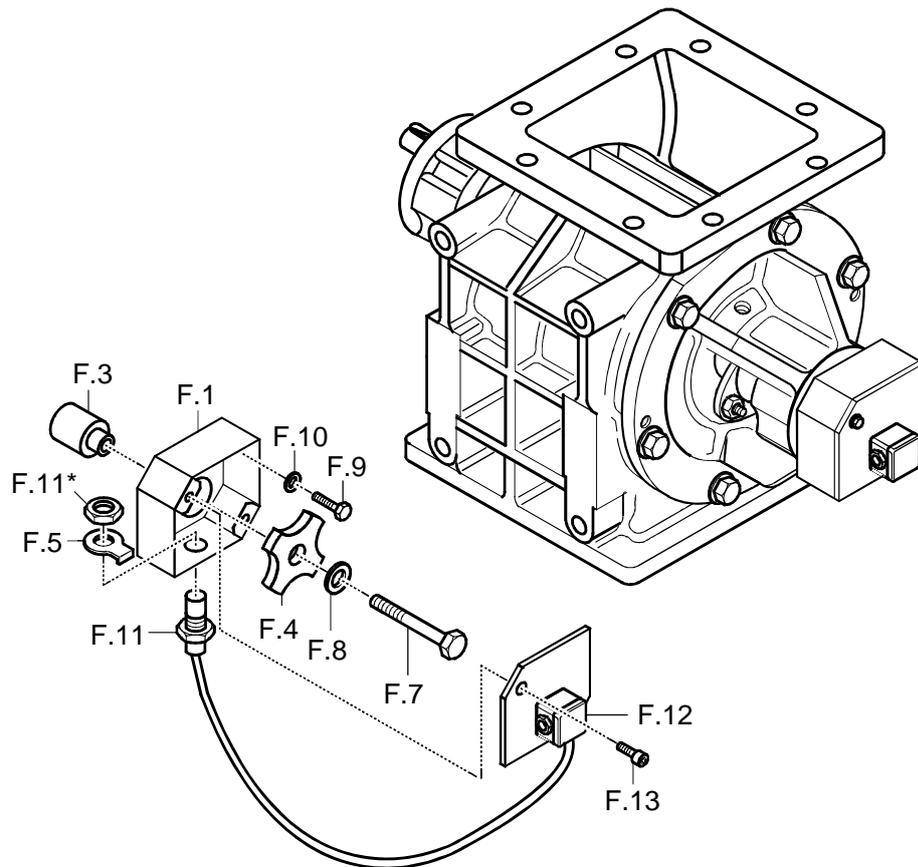
* E = Spare part; V = Wearing part



Item	Designation	DIN	Quantity/unit	K*
E	GASLOCK CONNECTION for labyrinth ring			
E.0.1	Solenoid valve	-	1	E
E.1	Bushing	-	1	
E.2	Tube fitting TE	-	1	
E.3	Tube	1786	1	
E.4	Bracket	-	1	
E.5	Seal ring	-	1	
E.6	Hexagon bolt	933	1	
E.7	Tube fitting GE	-	2	
E.8	Angle 90°	-	1	

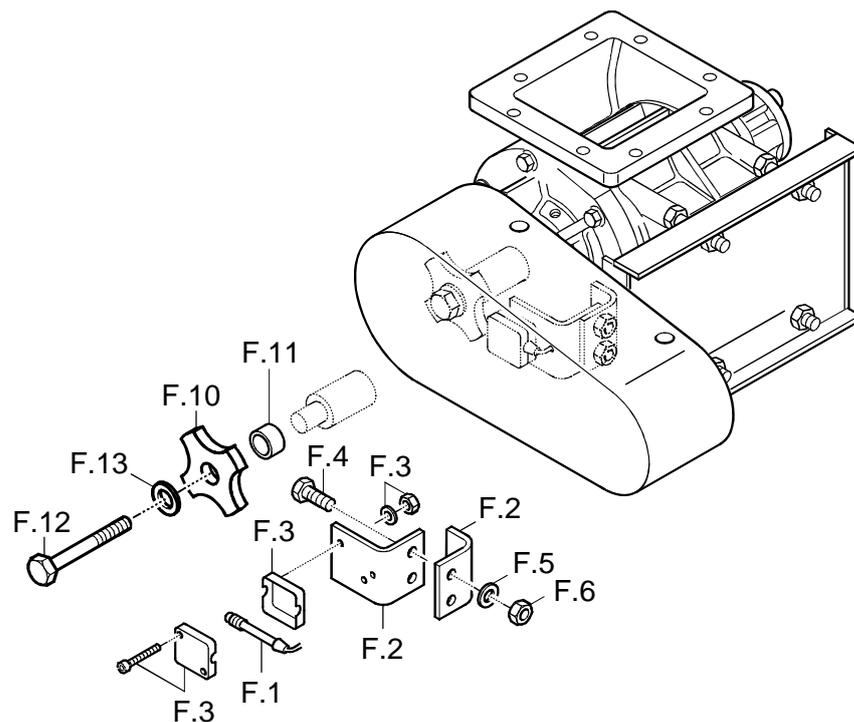
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Speed monitor, non-drive end



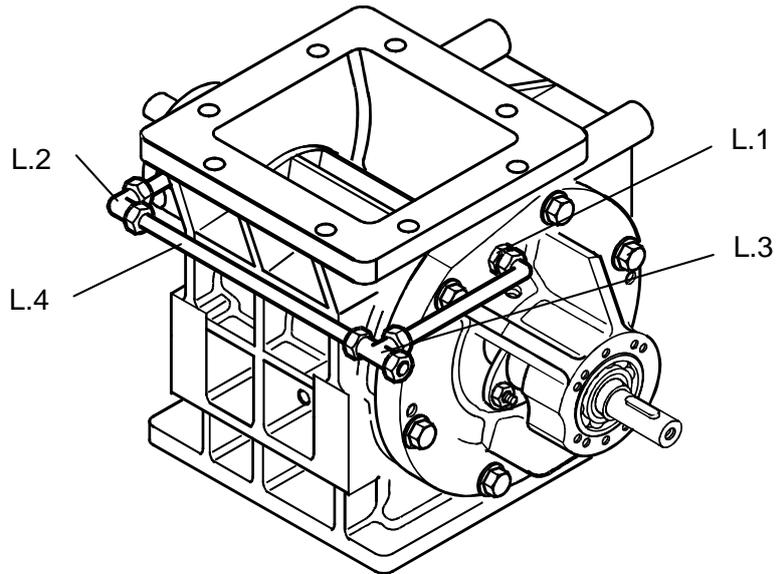
* = to F.11

Speed monitor, in chain guard



Item	Designation	DIN	Quantity/unit	K*
F	SPEED MONITOR			
	Non-drive end			
F.1	Housing	-	1	
F.3	Bush	-	1	
F.4	Pulse wheel	-	1	
F.5	Safety washer	93	1	
F.7	Hexagon bolt	933	1	
F.8	Washer	9021	1	
F.9	Hexagon bolt	933	2	
F.10	Washer	125	2	
F.11	Proximity switch	-	1	E
F.12	Terminal box	-	1	
F.13	Bolt	912	2	
	In chain guard			
F.1	Proximity switch		1	E
F.2	Speed monitor carrier		1	
F.3	Mounting flange		1	
F.4	Hexagon bolt		4	
F.5	Washer		4	
F.6	Hexagon nut		4	
F.10	Pulse wheel		1	
F.11	Bush		1	
F.12	Hexagon bolt		1	
F.13	Washer		1	

* E = Spare part; V = Wearing part



Item	Designation	DIN	Quantity/unit	K*
L	Gas lock for side cover			
L.1	Nipple	-	2	
L.2	Angle	-	2	
L.3	T-piece	-	1	
L.4	Tube	-	-	

* E = Spare part; V = Wearing part

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