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E-KP0580426

Rev. 00 (08/2020) - en

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Spare parts catalog

DISTRIBUTOR VALVE
KE3.31



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Technical changes

KNORRBREMSE SfS reserves the right to change products or this document at any time without giving special notice.

In the case of changes to products, this spare parts catalogue is no longer valid.

Ordering spare parts

It is necessary to use the latest spare parts catalogue when ordering spare parts.

If you discover that parts need to be renewed, only **KNORR-BREMSE original parts** are to be used.

The installation of spares other than approved may impair the safety and reliability of the given unit and overall system and invalidates any warranty on the part of KB.

When ordering, please note that the quantities refer only to the individual parts that are considered in the relevant chapter of the spare parts catalogue. The total amount required for the overhaul of the product is computed by multiplying these figures by the quantities of the individual parts in the higher-level assembly.

Wearing parts category:

Meanings of the letters in the WEC (wearing code) column of the following tables:

WEC	Definition
A	These parts must always be replaced upon removal.
B	These parts must be replaced at every overhaul.
C	These parts must then be replaced or reconditioned if they have worn so severely that the unit cannot be guaranteed to function reliably with them until the next overhaul. If necessary, further information on testing these parts can be found in the overhaul instructions.
D	These parts must be replaced at every service and every overhaul.
	Parts that do not have a WEC code must be visually inspected. If damage is found on the parts, they must be replaced.



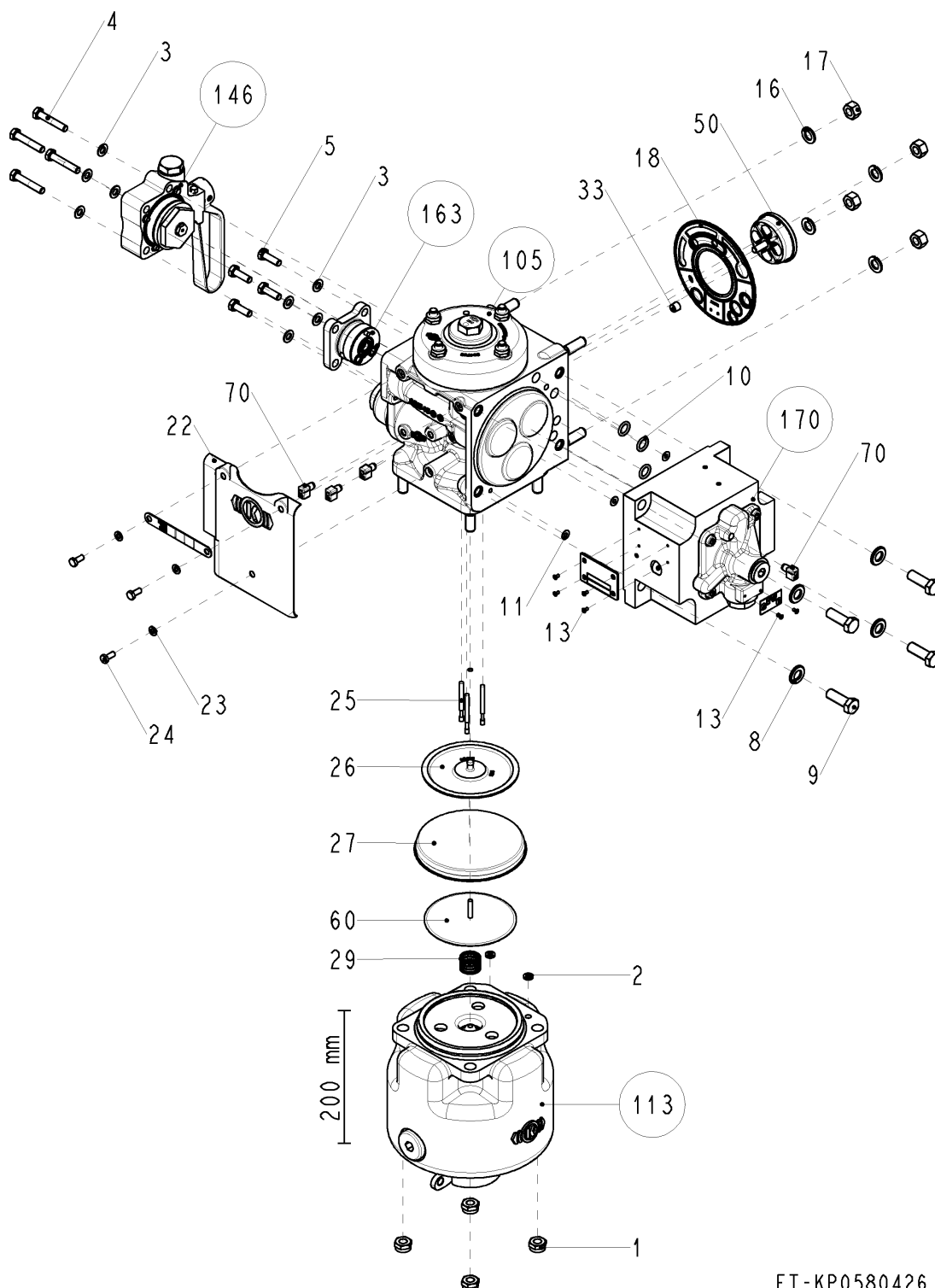
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**Original parts kits (OPK) belonging to the unit**

KIT-No.	Type	Additional text	Item number	Name
OPK03354	Overhaul kit		I11926	DUST FILTER
OPK0209421	Overhaul kit		KP0580426	DISTRIBUTOR VALVE

T0: DISTRIBUTOR VALVE



ET-KP0580426


T0 – Ordering information:

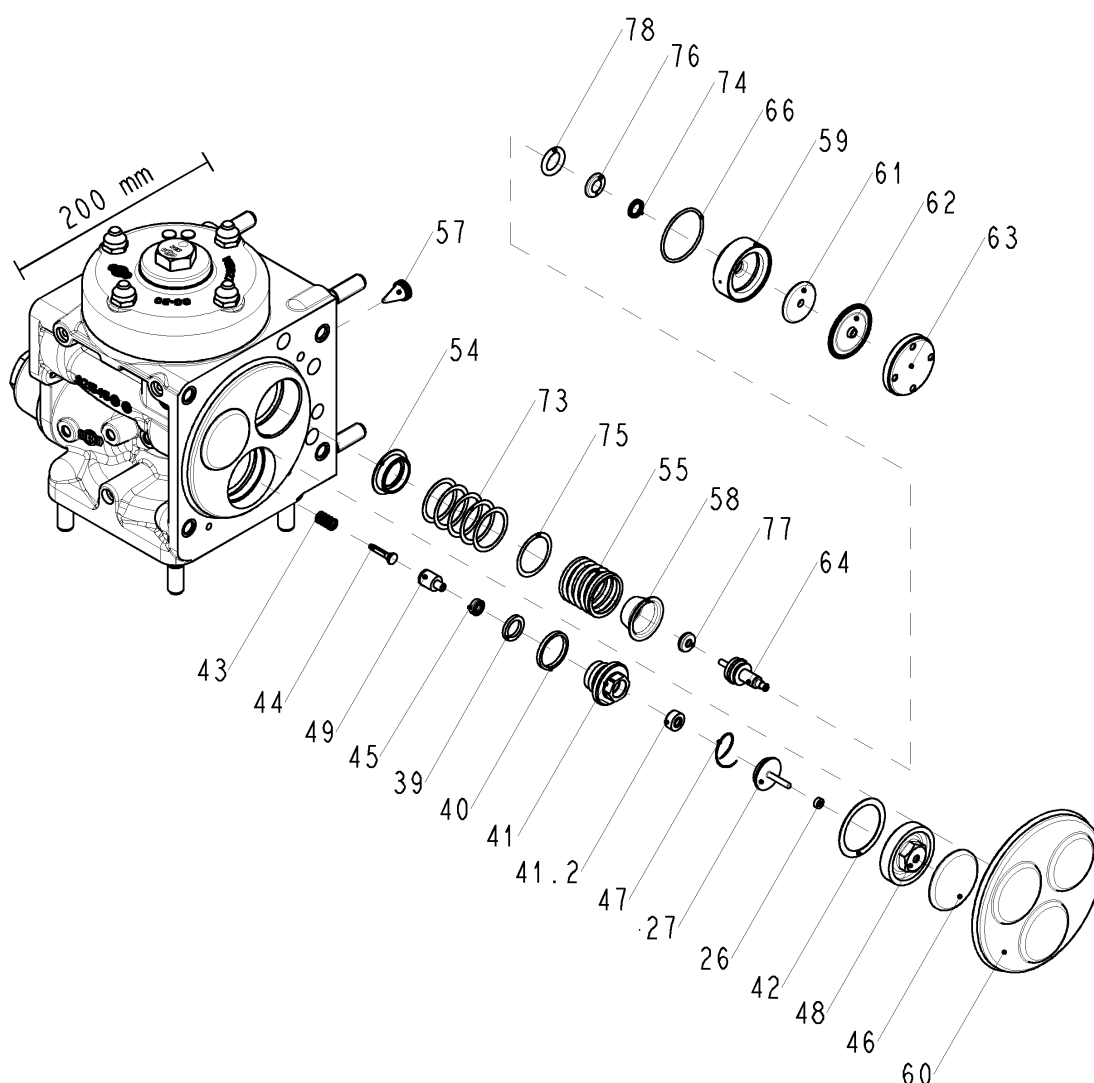
Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page		
		KP0580426			DISTRIBUTOR VALVE				
1	001.001	OPK0209421	468825	4	4	Pce	HEXAGON NUT M12	A	
2	001.002	OPK0209421		2	2	Pce	SEALING RING d6x3	B	
3		-	450668	8		Pce	WASHER 8,4		
4		-	451754	4		Pce	HEXAGON HEAD SCREW M8X45		
5		-	452059	4		Pce	HEXAGON HEAD SCREW M8X25		
8		-	450674	4		Pce	WASHER 12		
9		-	474189	4		Pce	HEXAGON HEAD SCREW M12X35		
10	001.010	OPK0209421		3	1	Pce	O-RING d13x3	B	
11	001.011	OPK0209421		3	3	Pce	O-RING d8x2	B	
13		-	469565	6		Pce	COUNTERSUNK SCREW M3X6-H		
16	001.016	OPK0209421	466059	4	1	Pce	LOCKING RING d21x2.1	A	
17		-	452187	4		Pce	HEXAGON NUT M12		
18	001.018	OPK0209421		1	1	Pce	GASKET d140x3.5	B	
22		-	A31863	1		Pce	COVER SHEET		
23	001.023	OPK0209421	466058	3	3	Pce	LOCKING RING d12x1.3	A	
24		-	463312	3		Pce	HEXAGON HEAD SCREW M6X14		
25		-	A55508	3		Pce	VALVE TAPPET	C	
26		-	A55113	1		Pce	DIAPHRAGM PLATE	C	


T0 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
27	001.027	OPK0209421	1	1	Pce	CUP DIAPHRAGM d133x16.5	B
29	-	A30485/5	1		Pce	COMPRESSION SPRING	C
33	-	456450	1		Pce	SCREW PLUG M10X1	
50	051	OPK03354	1	1	Pce	DUST FILTER d65x43	B
	050	OPK0209421		1			
60	-	I11613	1		Pce	SUPPORTING PISTON	
70	-	A34520	4		Pce	EXHAUST PLUG	
105	-	II46107	1		Pce	BASIC VALVE BODY	8
113	-	II70963	1		Pce	CONTROL CHAMBER A	17
146	-	II85576	1		Pce	R-COVER	21
163	-	II47396	1		Pce	NOZZLE COVER	24
170	-	KP0545821	1		Pce	ASSIMILAT. VALVE	26



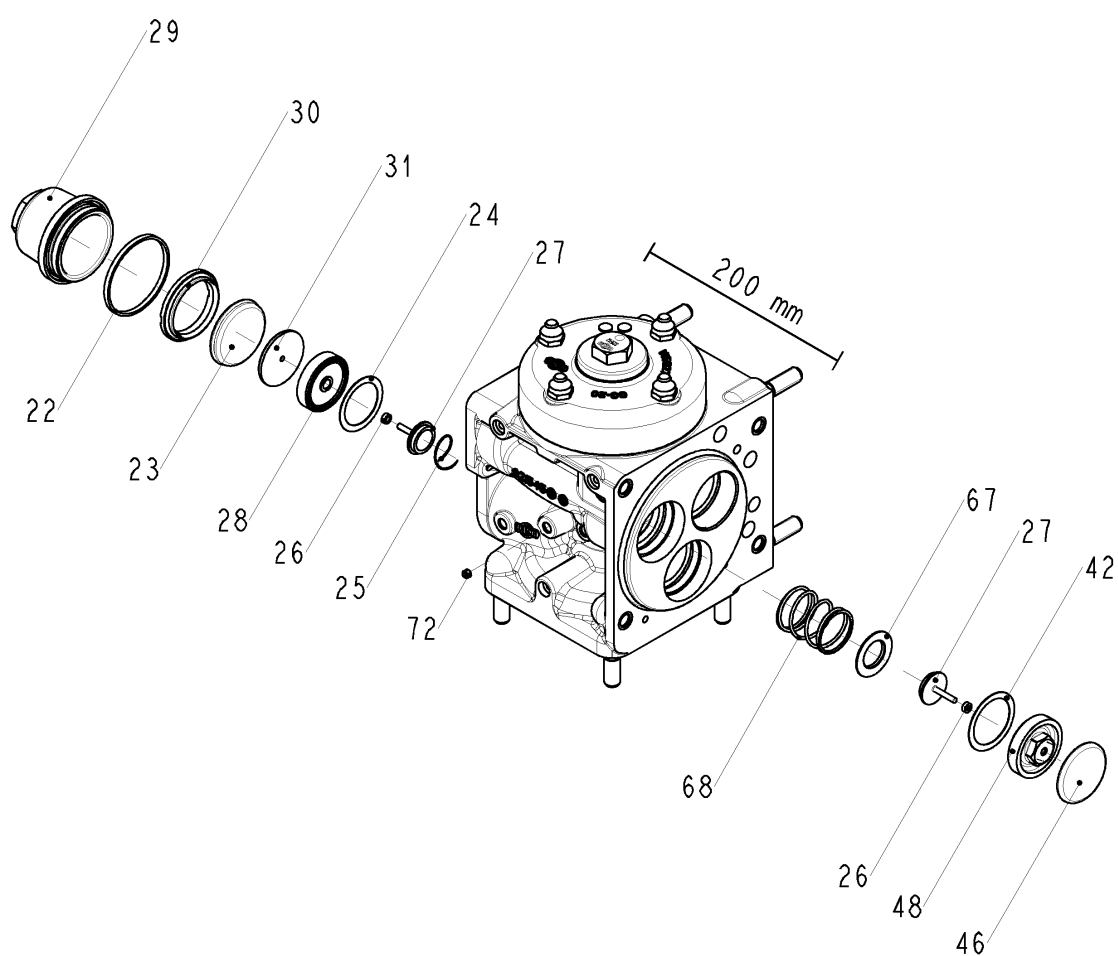
T1: BASIC VALVE BODY



ET-1146107



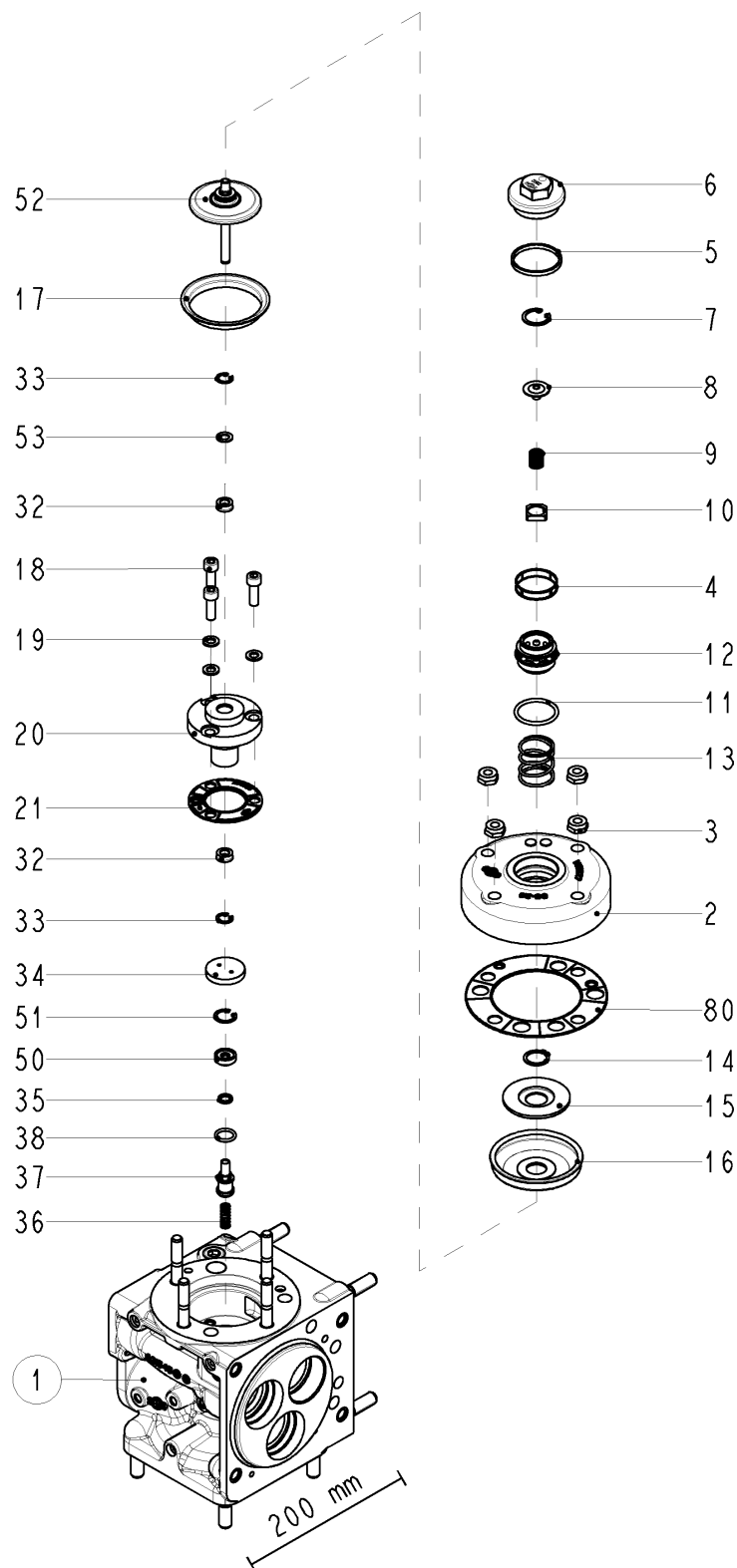
T1: BASIC VALVE BODY



ET-1146107



T1: BASIC VALVE BODY



ET-1146107



T1 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
		II46107			BASIC VALVE BODY		
1	-	I89044	1	Pce	VALVE BODY	C	15
2	-	II43051/001	1	Pce	COVER	C	
3	001.105 .003	OPK0209421	4	4	Pce	HEXAGON NUT M10	A
4	001.105 .004	OPK0209421	1	1	Pce	STRAINER d39x8.5	B
5	001.105 .005	OPK0209421	1	1	Pce	SEALING RING d47x4	B
6	-	B21542	1	Pce	SCREW PLUG		
7	001.105 .007	OPK0209421	1	1	Pce	RETAINING RING d25x1.2	A
8	-	A30757	1	Pce	GUIDE PLATE		
9	-	B63010	1	Pce	COMPRESSION SPRING	C	
10	001.105 .010	OPK0209421	1	1	Pce	VALVE HEAD 19x19x7	B
11	001.105 .011	OPK0209421	1	1	Pce	O-RING d35x3.2	B
12	-	B33562	1	Pce	VALVE BUSHING	C	
13	-	A30485/30	1	Pce	COMPRESSION SPRING	C	
14	001.105 .012	OPK0209421	1	1	Pce	RETAINING RING d20x1.2	A
15	-	A27889	1	Pce	SPRING RETAINER		
16	001.105 .016	OPK0209421	1	1	Pce	DIAPHRAGM d82x17	B
17	-	B35241	1	Pce	ADAPTER RING		
18	-	451609	3	Pce	MACHINE SCREW M8X25		
19	-	450862	3	Pce	WASHER 8		
20	-	I11614	1	Pce	GUIDE		
21	001.105 .021	OPK0209421	1	1	Pce	GASKET d69x3	B



T1 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page		
22	001.105 .022	OPK0209421		1	1	Pce	SEALING RING d65x4	B	
23	001.105 .023	OPK0209421		1	1	Pce	CUP DIAPHRAGM d53x8.5	B	
24	001.105 .024	OPK0209421	A31340/1	1	1	Pce	FLAT SEALING RING d45x0.5	A	
25		-	A30485/13	1		Pce	COMPRESSION SPRING	C	
26	001.105 .026	OPK0209421		3	3	Pce	GROOVED RING d8x3	B	
27	001.105 .027	OPK0209421		3	3	Pce	VALVE HEAD d26x27	B	
28		-	B35338	1		Pce	SCREW PLUG		
29		-	B21543	1		Pce	SCREW PLUG		
30		-	A30520	1		Pce	SPACER RING		
31		-	A30511/2	1		Pce	DIAPHRAGM PLATE		
32	001.105 .032	OPK0209421		2	2	Pce	GROOVED RING d16x6	B	
33	001.105 .033	OPK0209421	450983	2	2	Pce	RETAINING RING d15x1	A	
34	001.105 .034	OPK0209421		1	1	Pce	VALVE HEAD d37x6	B	
35	001.105 .035	OPK0209421		1	1	Pce	KNORR-K-RING d8x1.5	B	
36		-	A30485/9	1		Pce	COMPRESSION SPRING	C	
37		-	C83248	1		Pce	CONTROL SLEEVE	C	
38	001.105 .038	OPK0209421		1	1	Pce	O-RING d16x2	B	
39	001.105 .039	OPK0209421		1	1	Pce	SEALING RING d20x2.6	B	
40	001.105 .040	OPK0209421		1	1	Pce	SEALING RING d30x3	B	
41	001.105	OPK0209421		1	1	Pce	THREADED	B	



T1 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
	.041				BUSHING		
41.2	-	B91506	1	Pce	VALVE HEAD	B	
42	001.105 .042	OPK0209421 A31340/3	2	2	Pce	FLAT SEALING RING d45x0.5	A
43	-	B70901	1	Pce	COMPRESSION SPRING	C	
44	001.105 .044	OPK0209421	1	1	Pce	TAPPET d9x30	B
45	001.105 .045	OPK0209421	1	1	Pce	KNORR-K-RING d12x1.5	B
46	-	A30511/3	2	Pce	DIAPHRAGM PLATE		
47	-	B25794	1	Pce	COMPRESSION SPRING	C	
48	-	B35339	2	Pce	SCREW PLUG		
49	-	B25802	1	Pce	VALVE BUSHING	C	
50	-	B52828	1	Pce	WASHER		
51	001.105 .051	OPK0209421 450990	1	1	Pce	RETAINING RING d20x1	A
52	-	I63372	1	Pce	VALVE HEAD	C	
53	-	A30857	1	Pce	SUPPORTING PLATES		
54	-	B39034	1	Pce	BUSH		
55	001.105 .055	OPK0209421	1	1	Pce	COMPRESSION SPRING d35x50	B
57	001.105 .057	OPK0209421	1	1	Pce	FINE-MESH FILTER d15x23	B
58	-	B39032	1	Pce	SPRING RETAINER		
59	-	B58854	1	Pce	INSERT		
60	001.105 .060	OPK0209421	1	1	Pce	CUP DIAPHRAGM d130x11	B
61	-	B58851	1	Pce	DIAPHRAGM PLATE		
62	001.105	OPK0209421	1	1	Pce	DIAPHRAGM	B

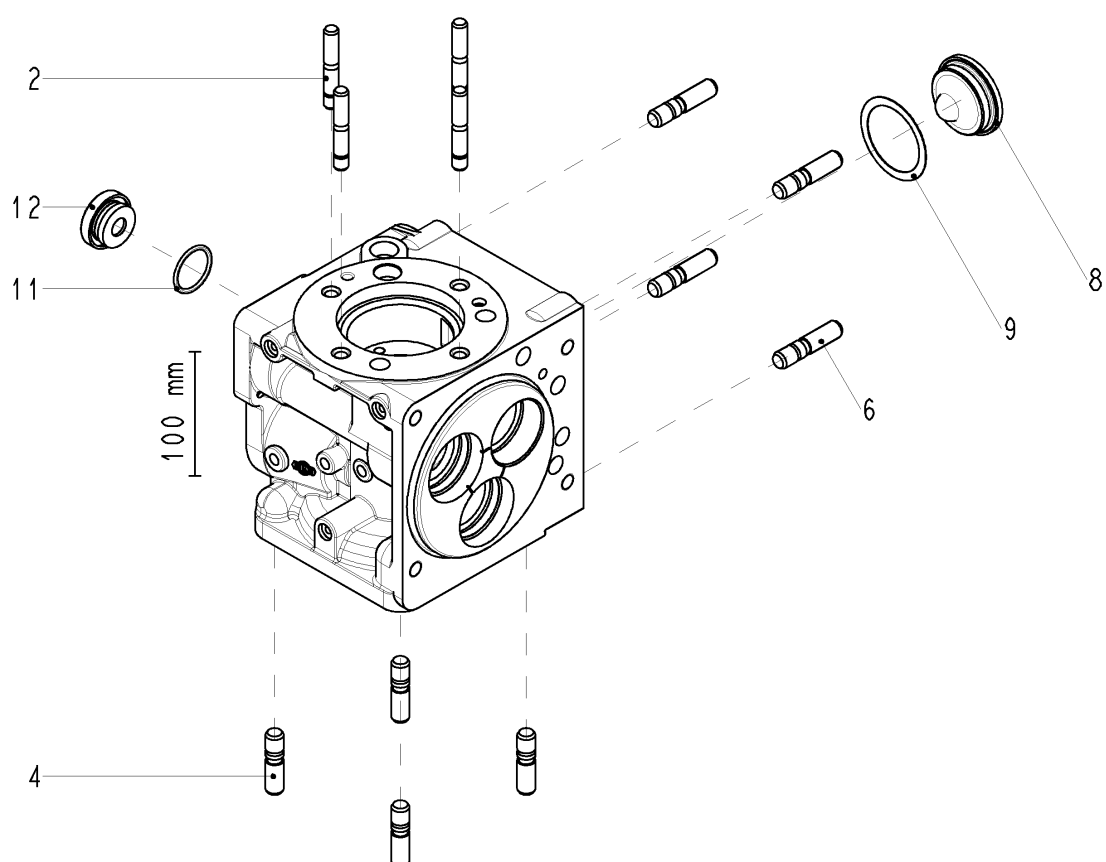


T1 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
	.062				d44x3.4		
63	-	B35237	1	Pce	COVER		
64	-	C60759	1	Pce	VALVE HEAD	C	
66	001.105 .066	OPK0209421	1	1	Pce	O-RING d40x2	B
67	-	A30514	1	Pce	SPRING RETAINER		
68	-	A30485/28	1	Pce	COMPRESSION SPRING	C	
72	-	A39064/23	1	Pce	THREADED NOZZLE	C	
73	-	B35232	5	Pce	WASHER		
74	001.105 .074	OPK0209421	1	1	Pce	KNORR-K-RING d9x1.5	B
75	-	B50166	1	Pce	WASHER		
76	-	B46770	1	Pce	WASHER		
77	001.105 .077	OPK0209421	1	1	Pce	VALVE SEAL.RING d16x4.5	B
78	001.105 .078	OPK0209421	1	1	Pce	O-RING d14x4	B
80	001.105 .080	OPK0209421	1	1	Pce	GASKET d133x2.9	B



T2: VALVE BODY



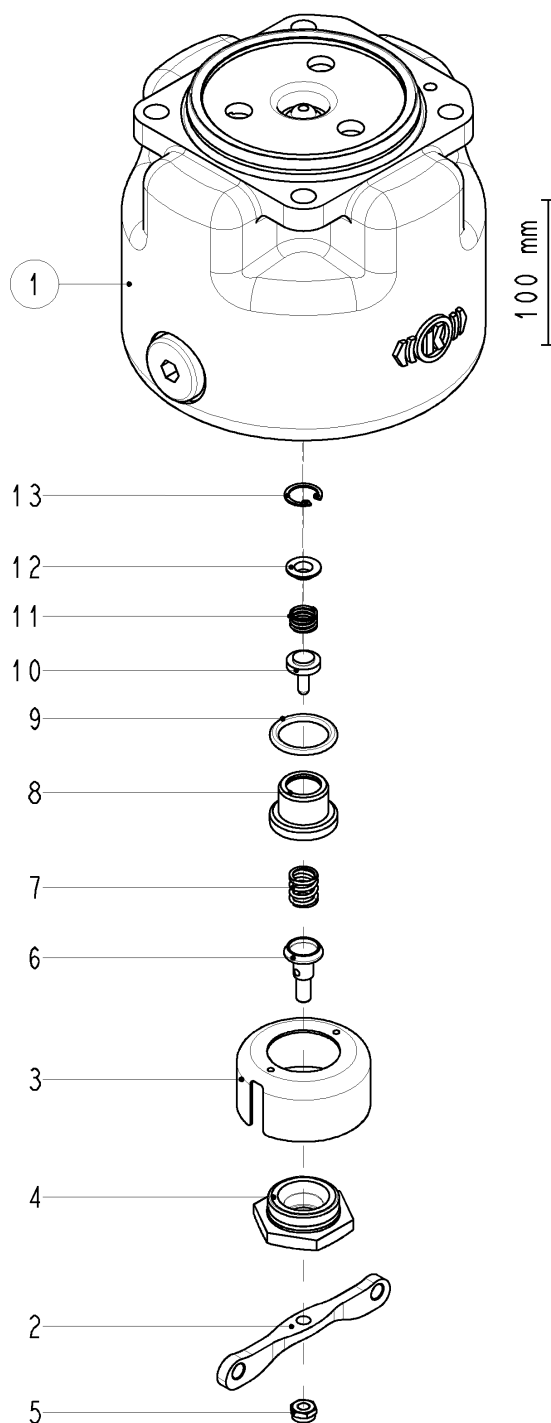
ET-189044

**T2 – Ordering information:**

Pos.	Item number	Quantity	Unit	Name	Measure	WEC	Page
	I89044			VALVE BODY			
2	452445	4	Pce	STUD	M10X50		
4	467883	4	Pce	STUD	M12X32		
6	452468	4	Pce	STUD	M12X40		
8	A30618	1	Pce	SCREW PLUG			
9	A31340/2	1	Pce	FLAT SEALING RING		A	
11	A40125/12	1	Pce	O-RING		B	
12	B78970	1	Pce	SCREW PLUG			



T3: CONTROL CHAMBER A



ET-1170963

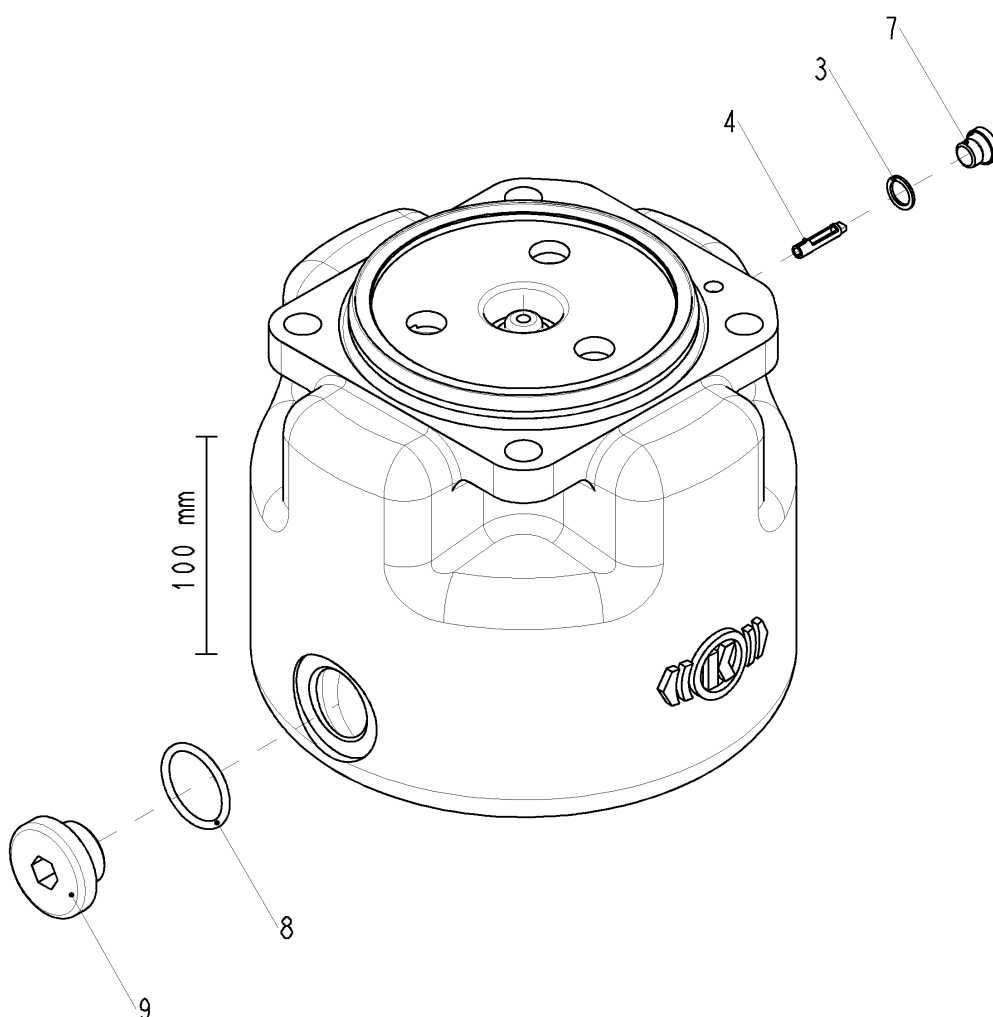


T3 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
		II70963			CONTROL CHAMBER A		
1	-	II70964/001	1	Pce	CONTROL CHAMBER A	C	19
2	-	A33758	1	Pce	LEVER		
3	-	A33759/1	1	Pce	PROTECTIVE CAP		
4	-	A30534	1	Pce	SCREW PLUG		
5	001.113 .005	OPK0209421	467887	1 1	Pce	HEXAGON NUT M8	A
6	-	A42703	1	Pce	THRUST MEMBER		
7	-	B65001	1	Pce	COMPRESSION SPRING	C	
8	-	B40899	1	Pce	VALVE ELEMENT	C	
9	001.113 .009	OPK0209421		1 1	Pce	O-RING d28x4	B
10	001.113 .010	OPK0209421		1 1	Pce	VALVE ROD d19x25	B
11	-	A30485/7	1	Pce	COMPRESSION SPRING	C	
12	-	C223777	1	Pce	NYLON FILTER	B	
13	001.113 .013	OPK0209421	450990	1 1	Pce	RETAINING RING d20x1	A



T4: CONTROL CHAMBER A



ET-1170964/001

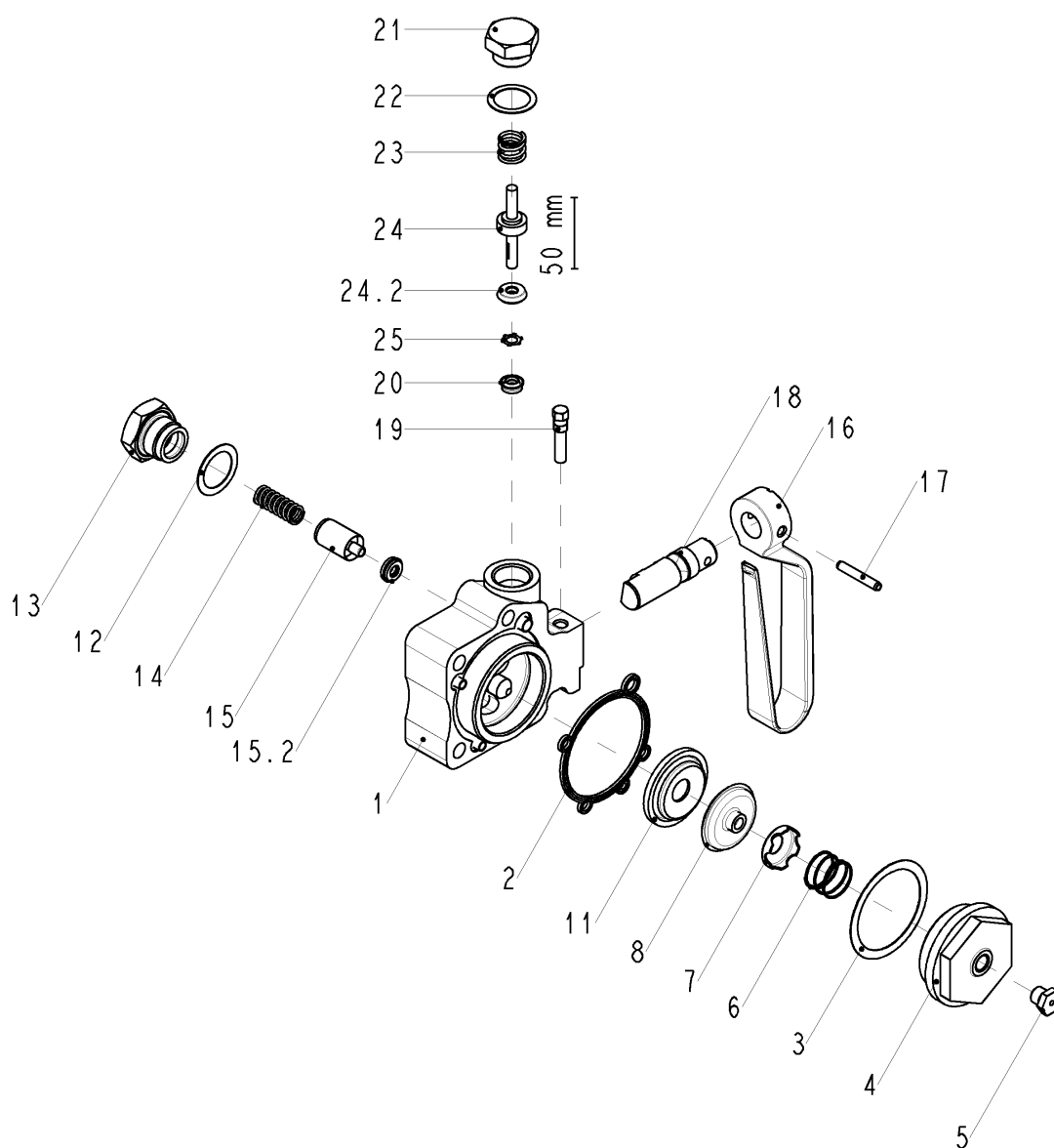


T4 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page	
		II70964/001				CONTROL CHAMBER A		
3		-	451500	1		Pce	SCREW PLUG M10X1	
4	001.113 .001.004	OPK0209421		1	1	Pce	FILTER d5x24	B
7	001.113 .001.007	OPK0209421	457290	1	1	Pce	SEALING RING d10x1	A
8	001.113 .001.008	OPK0209421		1	1	Pce	O-RING d29x3	B
9		-	B21552/A	1		Pce	SCREW PLUG	



T5: R-COVER



ET-1185576



T5 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page	
		II85576			R-COVER			
1	-	II44788	1	Pce	COVER	C		
2	001.146 .002	OPK0209421	1	1	Pce	GASKET d63x2.7	B	
3	001.146 .003	OPK0209421	A31340/12	1	1	Pce	FLAT SEALING RING d62x0.5	A
4	-	A31257	1	Pce	SCREW PIECE			
5	-	A31258/1	1	Pce	R-FILLING NOZZLE	C		
6	-	A30485/14	1	Pce	COMPRESSION SPRING	C		
7	-	A27933	1	Pce	SPRING RETAINER			
8	001.146 .008	OPK0209421	1	1	Pce	SEALING COVER PART NO. d40x11	B	
11	-	A31256	1	Pce	ADAPTER			
12	001.146 .012	OPK0209421	A31340/7	1	1	Pce	FLAT SEALING RING d23x0.5	A
13	-	B21561	1	Pce	SCREW CAP			
14	-	A45118	1	Pce	COMPRESSION SPRING	C		
15	-	I86199	1	Pce	VALVE TAPPET	B		
15.2	001.146 .015.002	OPK0209421	1	1	Pce	VALVE SEAL.RING d16x4.5	B	
16	-	A31590	1	Pce	HANDLE			
17	001.146 .017	OPK0209421	470155	1	1	Pce	CLAMPING PIN d5x32	A
18	-	B75520/2	1	Pce	CONTROL SHAFT	C		
19	-	B21541	1	Pce	HOLDING SCREW			
20	001.146 .020	OPK0209421	1	1	Pce	GROOVED RING d14x5	B	
21	-	A30714	1	Pce	SCREW PLUG			
22	001.146	OPK0209421	A31340/8	1	1	Pce	FLAT SEALING	A

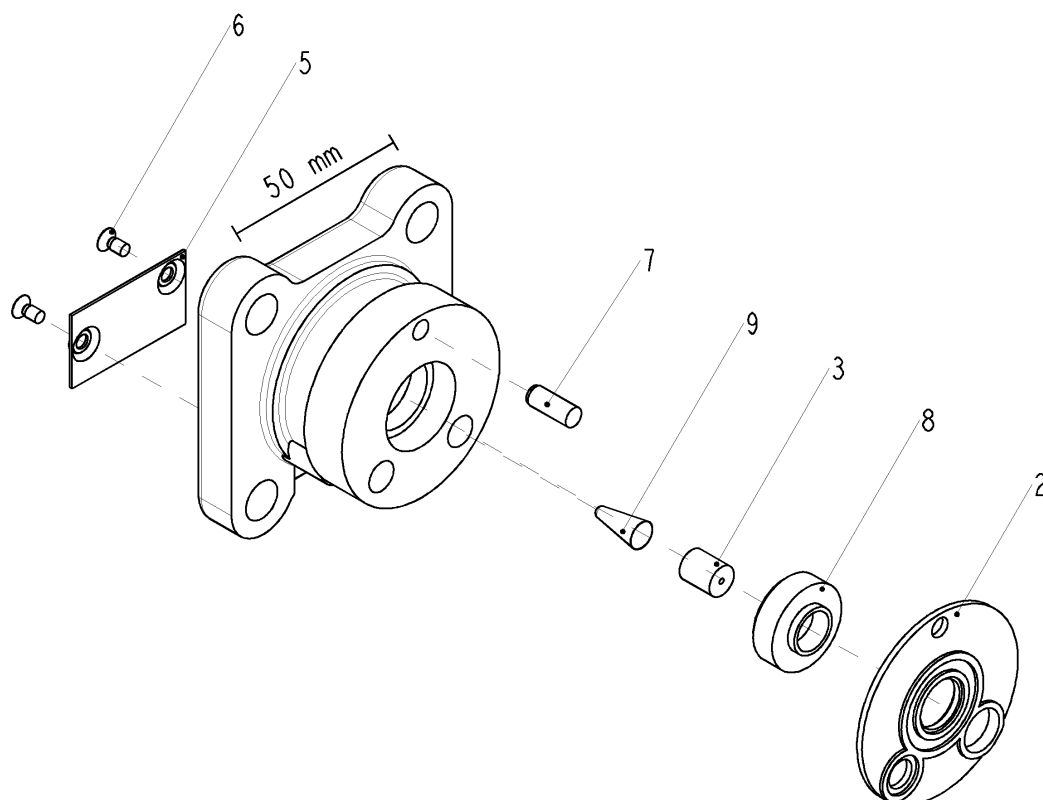


T5 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
	.022					RING d28x0.5	
23	-	A88332	1	Pce	COMPRESSION SPRING	C	
24	-	I86196	1	Pce	VALVE ROD	C	
24.2	001.146 .024.002	OPK0209421	1	1	Pce	VALVE SEAL.RING d17x4.5	B
25	001.146 .025	OPK0209421	A86235/2	1	1	Pce	TOOTHED RING d12x0.3



T6: NOZZLE COVER



ET-1147396

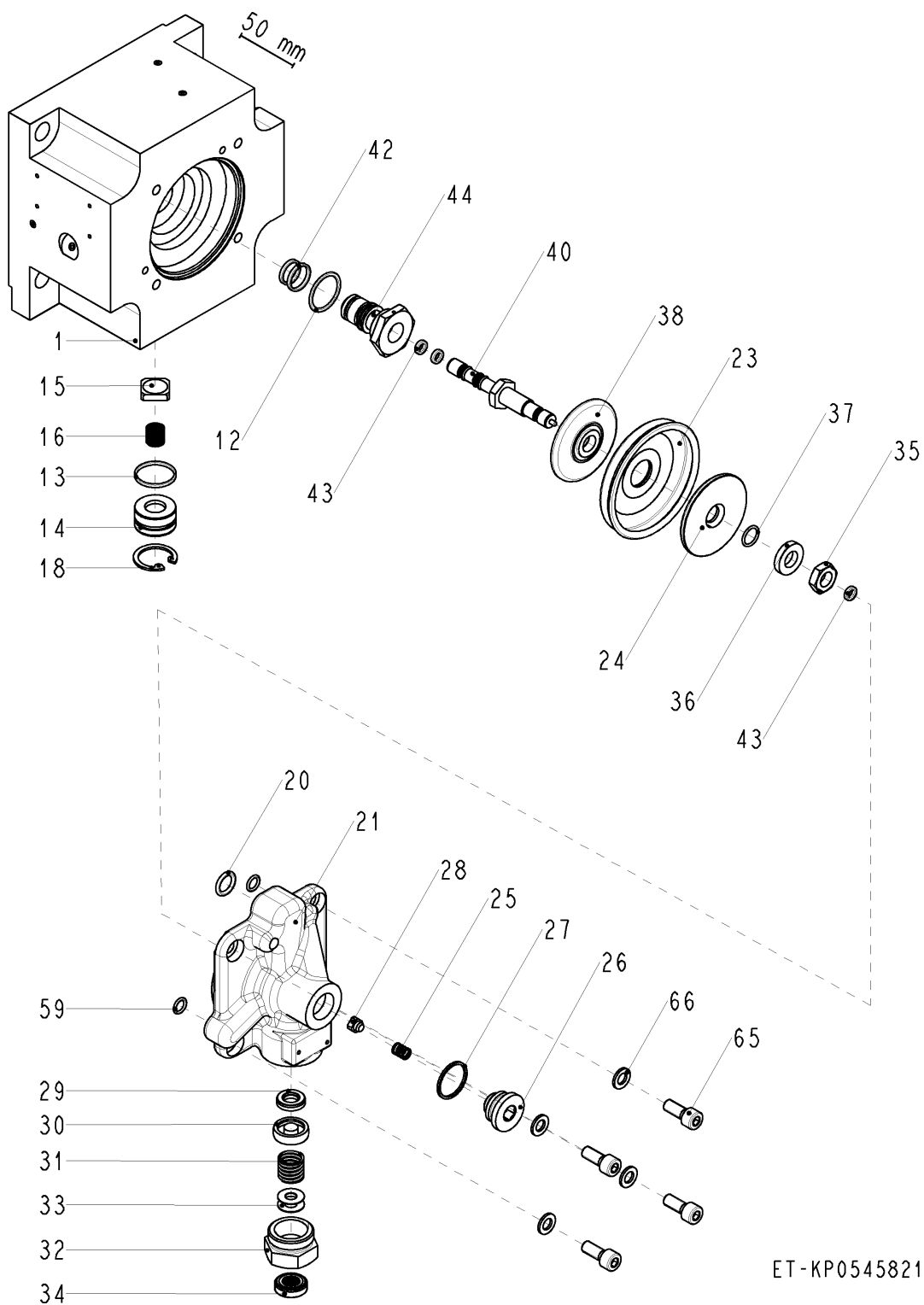

T6 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
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			II47396				NOZZLE COVER		
2	001.163 .002	OPK0209421	B28281	1	1	Pce	GASKET d49x3	B	
3		-	A31657/13	1		Pce	RELEASE CHOKE	C	
5		-	A13029/166	1		Pce	IDENTIFICATION TAG		
6		-	469565	2		Pce	COUNTERSUNK SCREW M3X6-H		
7		-	464670	1		Pce	STRAIGHT PIN 5m6X12		
8		-	A31259/17	1		Pce	APPLICATION CHOKE	C	
9		-	B62338	1		Pce	FINE SCREEN	B	



T7: ASSIMILAT. VALVE



ET-KP0545821



T7 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
		KP0545821			ASSIMILAT. VALVE		
1	-	KP0545267	1	Pce	HOUSING		
12	001.170 .012	OPK0209421	1	1	Pce	O-RING d24x2	B
13	001.170 .013	OPK0209421	1	1	Pce	O-RING d25x1.8	B
14	-	KP0552311	1	Pce	PLUG		
15	001.170 .015	OPK0209421	1	1	Pce	VALVE HEAD 19x19x7	B
16	-	B70045	1	Pce	COMPRESSION SPRING	C	
18	001.170 .018	OPK0209421	1	1	Pce	RETAINING RING	A
20	001.170 .020	OPK0209421	1	1	Pce	O-RING d13x3	B
21	-	I83331	1	Pce	COVER	C	
23	001.170 .023	OPK0209421	1	1	Pce	CUP DIAPHRAGM d86x17	B
24	-	B70554	1	Pce	DIAPHRAGM PLATE		
25	-	B39315	1	Pce	COMPRESSION SPRING	C	
26	-	B70085	1	Pce	SCREW PLUG		
27	001.170 .027	OPK0209421	1	1	Pce	SEALING RING d22x1.5	A
28	001.170 .028	OPK0209421	1	1	Pce	DOUBLE VALVE SEAT 9x9x8	B
29	001.170 .029	OPK0209421	1	1	Pce	VALVE SEAL.RING d20x5	B
30	-	B68522	1	Pce	VALVE HEAD		
31	-	B86889	1	Pce	COMPRESSION SPRING	C	
32	-	B67878/1	1	Pce	EXHAUST PLUG		
33	-	B74556	2	Pce	WASHER		
34	001.170 .034	OPK0209421	1	1	Pce	SILENCER d22x6.5	B



T7 – Ordering information:

Pos. OEM/OPK	Part is contained in	Item number	Quantity OEM/OPK	Unit	Name	WEC	Page
35	-	464652	1	Pce	HEXAGON NUT M12X1,5		
36	-	B67882	1	Pce	WASHER		
37	001.170 .037	OPK0209421	1	1	Pce	O-RING d12x2	B
38	-	B70555	1	Pce	PISTON		
40	-	B81501	1	Pce	PISTON ROD		
42	001.170 .042	OPK0209421	2	2	Pce	O-RING d15x2	B
43	001.170 .043	OPK0209421	3	3	Pce	O-RING d6x2.5	B
44	-	B81502/3	1	Pce	THREADED BUSHING		
59	001.170 .059	OPK0209421	2	2	Pce	O-RING d8x2	B
65	-	451606	4	Pce	MACHINE SCREW M8X20		
66	-	450862	4	Pce	WASHER 8		