Vacuum Solutions | Application Support | Service

LEYBOLD VACUUM

ET 01.602/2.02



TRIVAC® E 2

D 2,5 E

Dual-Stage Rotary Vane Vacuum Pump

Valid from Serial-No.: T2

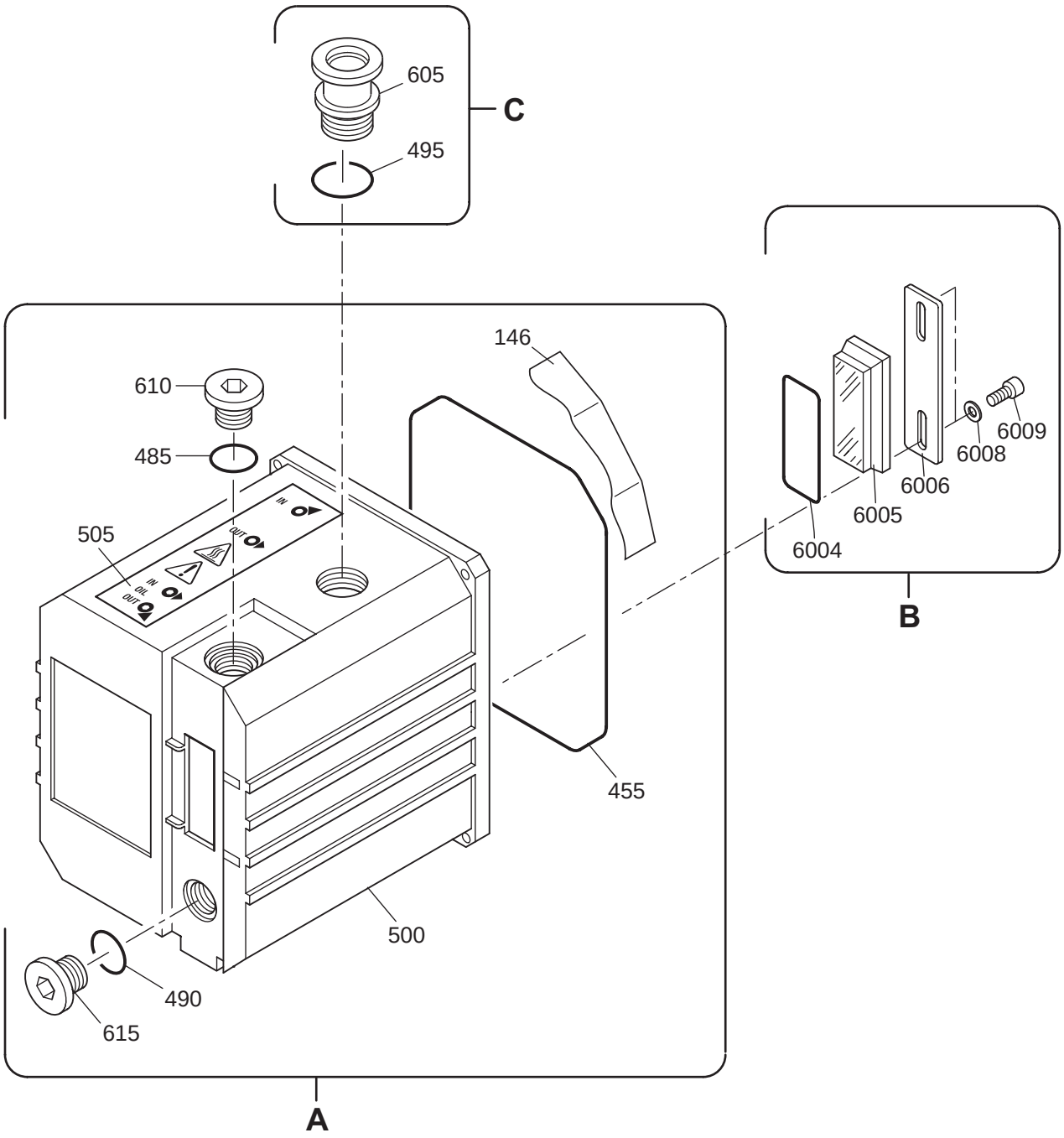
140 000	**209 002 04667**
140 001	**209 002 13084**
140 002	**209 002 13086**
140 003	**209 002 63272**
140 004	**209 002 13087**
140 005	**209 002 72499**
140 006	**000 000 00000**
140 008	**209 002 05759**

150 Years

Spare Parts List

Lfd. No.	*TRIVAC E 2 D 2,5 E - Spare parts kits* Description	Page	Order-No.
1	Kit Oil Box	3	200 14 643
2	Kit Oil level glass	3	200 06 286
3	Kit Exhaust port	3	200 06 281
4	Gasballast valve	4	E100 000 361
5	Handle	4	200 06 285
6	Shaft seal flange	4	E200 14 985
7	Intake port	4	200 06 281
8	Base	4	E100 000 362
9	Gasballast and oil pipe	5	200 06 295
10	Frame	5	200 06 288
11	Rotor	5	200 14 627
12	End plate	5	200 14 640
13	Diaphragm valve	5	200 06 287
14	Motors	6	see page 6
15	**Maintenance Sets and Repair Sets**	7	
16	Maintenance Kit 1	8	200 40 022
17	Repair-Set 1	8	E100 000 351
18	Repair-Set 2	9	200 40 024
19	Complete Set	10	E100 000 347

If you order spare parts, please always indicate the catalog and serial number!



A Kit Oil Box Order-No. 200 14 643

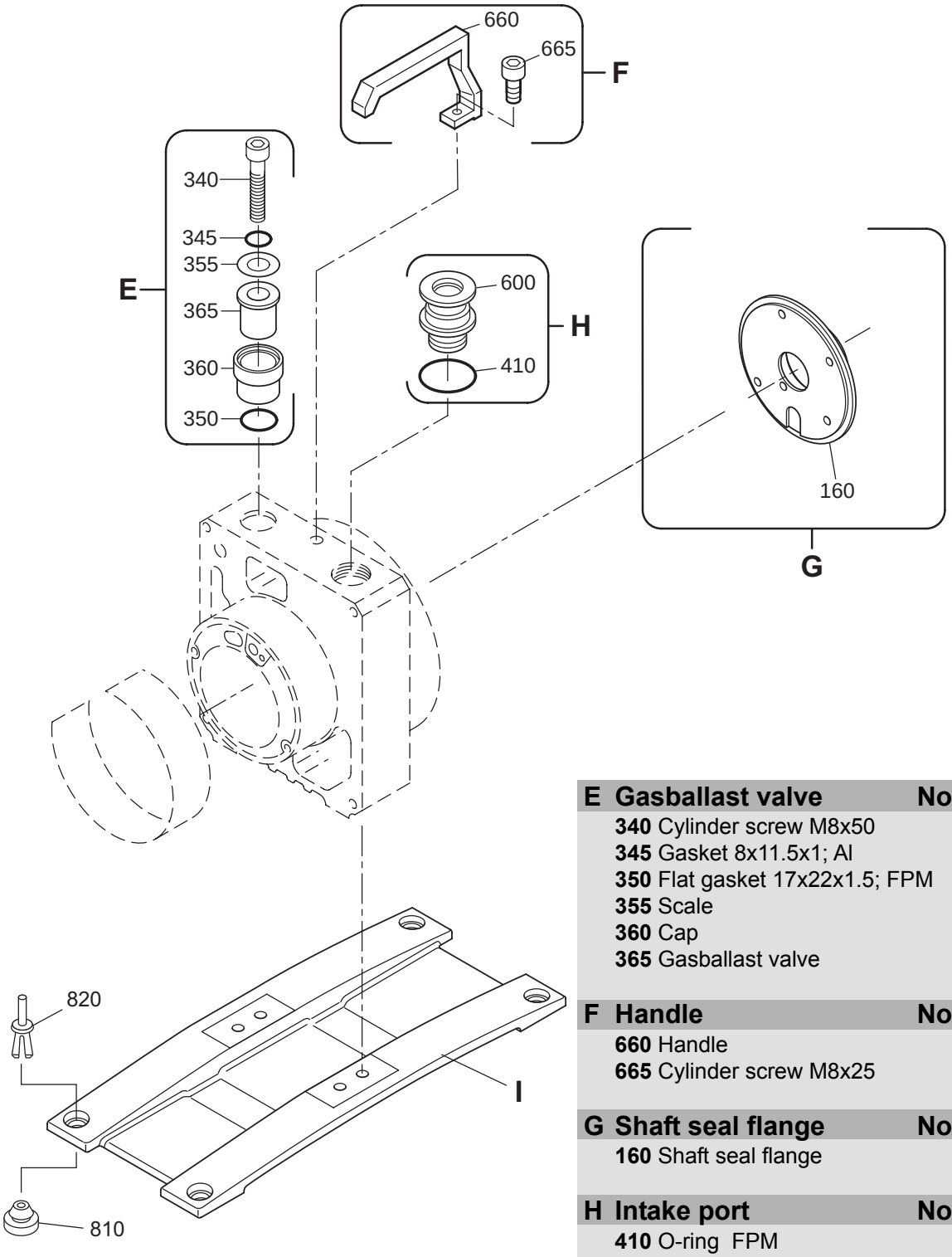
146 Guide panel
455 Oil box seal
485 Gasket 15.1x22x2 FPM
490 Gasket 15.1x22x2 FPM
500 Oil box
505 Label
610 Oil fill plug M16x1.5
615 Oil drain plug M16x1.5

B Kit Oil level glass Order-No. 200 06 286

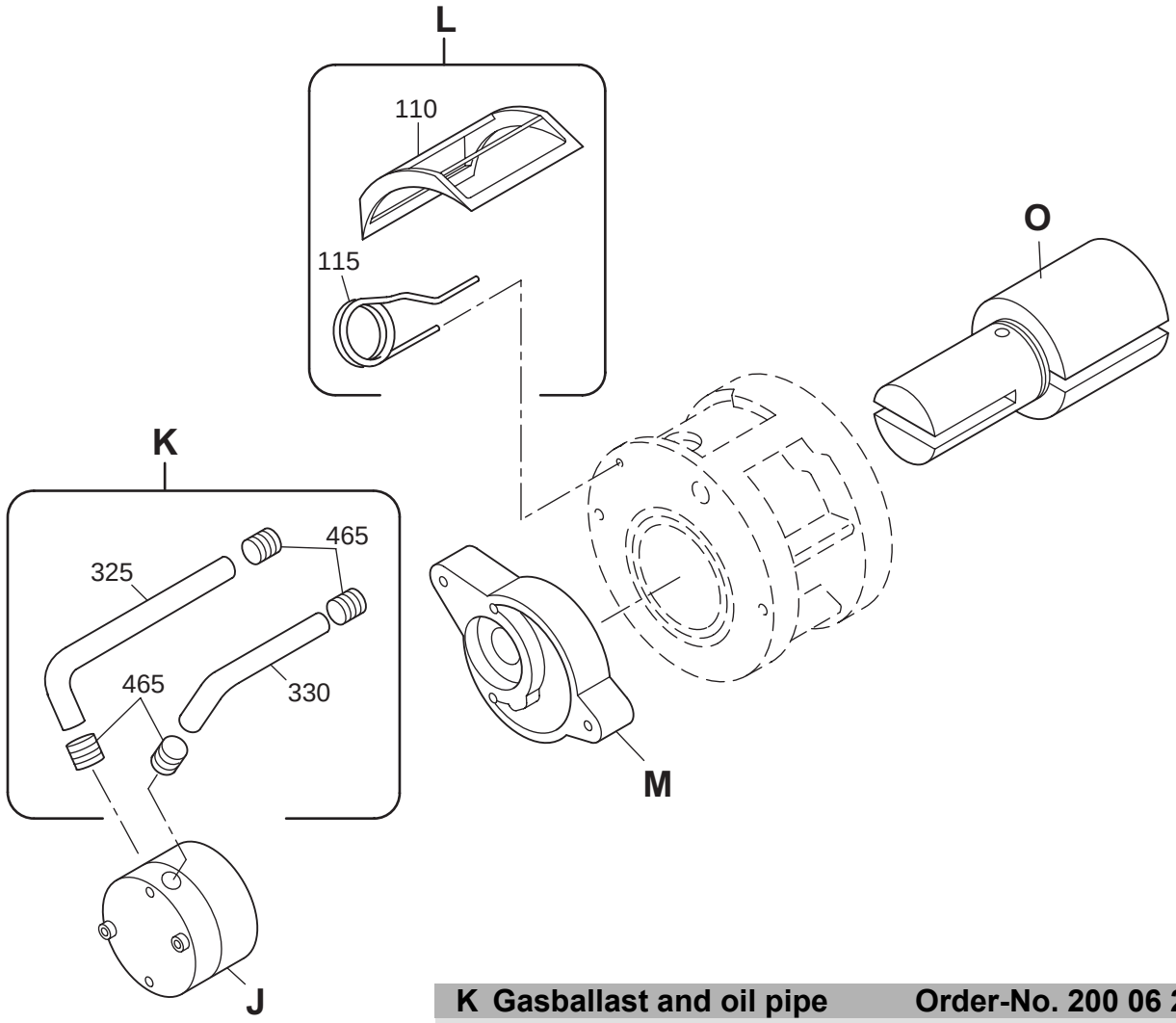
6004 Gasket 54x23x3.5; FPM
6005 Oil level glass
6006 Cover
6008 Washer
6009 Cylinder screw M5x10

C Kit Exhaust port Order-No. 200 06 281

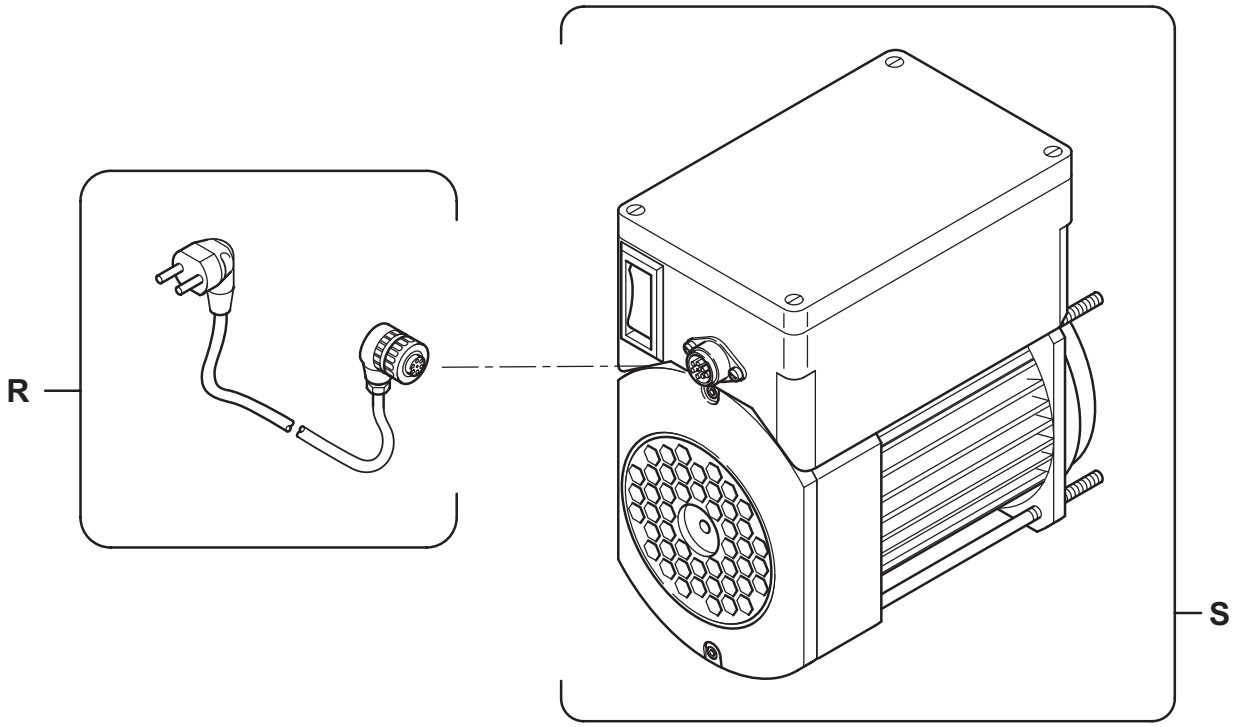
495 O-ring
605 Exhaust port DN 25 KF



E	**Gasballast valve**	**No. E100 000 361**
	340 Cylinder screw M8x50	
	345 Gasket 8x11.5x1; Al	
	350 Flat gasket 17x22x1.5; FPM	
	355 Scale	
	360 Cap	
	365 Gasballast valve	
F	**Handle**	**No. 200 06 285**
	660 Handle	
	665 Cylinder screw M8x25	
G	**Shaft seal flange**	**No. E200 14 985**
	160 Shaft seal flange	
H	**Intake port**	**No. 200 06 281**
	410 O-ring FPM	
	600 Intake port	
I	**Base**	**No.E100 000 362**
	400 Base	
	810 Feet	No. 200 39 277
	820 Expanding-rivet	No. 200 39 515



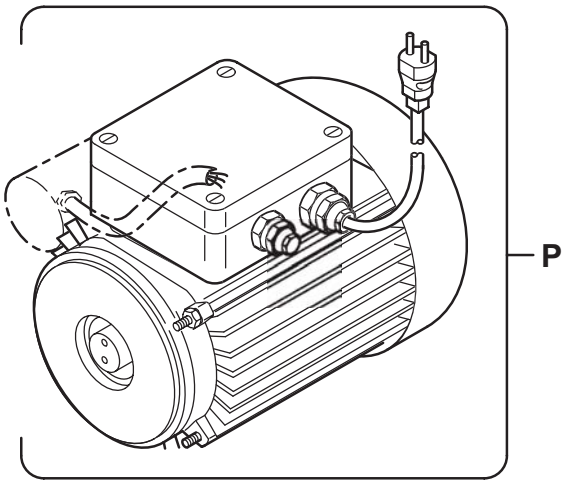
K	**Gasballast and oil pipe**	**Order-No. 200 06 295**
	325 Gasballast pipe	
	330 Oil pipe	
	465 Rubber insert, FPM	
L	**Frame**	**Order-No. 200 06 288**
	110 Holding frame for demister	
	115 Spring clip	
O	**Rotor**	**Order-No. 200 14 627**
	55 Rotor	
M	**End plate**	**Order-No. 200 14 640**
	310 End plate	
J	**Diaphragm valve**	**Order-No. 200 06 287**
	405 Diaphragm valve	



In case you need a motor spare part
(fan cowling, capacitor for example)
Please contact the producer of the motor:

Emod Motoren GmbH
Zur Kuppe 1
D-36364 Bad Salzschlirf
Tel.: +49-6648/51-0
Fax: +49-6648/51-143

Hanning Elektro-Werke GmbH & Co
Holter Straße 90
D-33813 Oerlinghausen
Tel.: +49-5202/707-0
Fax: +49-5202/707-307



P Motor Euro 1 ph. 220-240 V, 50/60 Hz, 250/300 W	**Order-No. E200 15 412**
P Motor GB 1 ph. 220-240 V, 50/60 Hz, 250/300 W	**Order-No. E200 15 413**
P Motor CH 1 ph. 220-240 V, 50/60 Hz, 250/300 W	**Order-No. E200 15 414**
P Motor Japan 1 ph. 100 V, 50/60 Hz, 250/300 W	**Order-No. E200 15 415**
P Motor USA 1 ph. 110-120 V, 60 Hz, 370 W	**Order-No. E200 15 416**
S Motor Welt 1 ph. 100-120/200-240 V, 50/60 Hz, 250/300 W	**Order-No. E200 15 417**
R Coded Cable 1.8 m with Euro plug 200-240 V	**Order-No. 200 81 091**
R Coded Cable 1.8 m with NEMA plug (USA/Jap.) 110-120 V	**Order-No. 200 81 090**
R Coded Cable 1.8 m with NEMA plug (USA/Jap.) 200-240 V	**Order-No. 200 81 141**
R Coded Cable 1.8 m with UK plug 200-240 V	**Order-No. 200 81 097**
R Coded Cable 1.8 m with CH plug 200-240 V	**Order-No. 200 81 099**

Maintenance Kits and Repair Sets

The maintenance and repair kits have been so arranged that the spare and exchange parts they contain cover any servicing work which might be required.

Each set comes with brief instructions in which the necessary work is detailed. This very much simplifies the servicing or repair work.

Given in the following is a brief description of the individual kits and how to use these.

Maintenance Kit 1

This kit is recommended for maintenance after an operating period of one year. It contains the gaskets for the oil box, the internal demister which separates the oil from the gas.

Repair Kit 1

This kit is used for the seal on the side of the motor. It contains the gaskets for the side of the motor, the shaft sealing ring as well as the following wearing parts: coupling sleeves and compression spring for the oil pump.

Repair Kit 2

This set will only be required in those cases where the pump is not capable of attaining its ultimate pressure. This kit contains the valves, the internal demister which separates the oil from the gas as well as the gaskets for the oil box.

Maintenance Kit 2 / Repair Kit 3

These kits are identical. They contain all wearing parts, all gaskets and the internal demister which separates the oil from the gas.

They are used as follows:

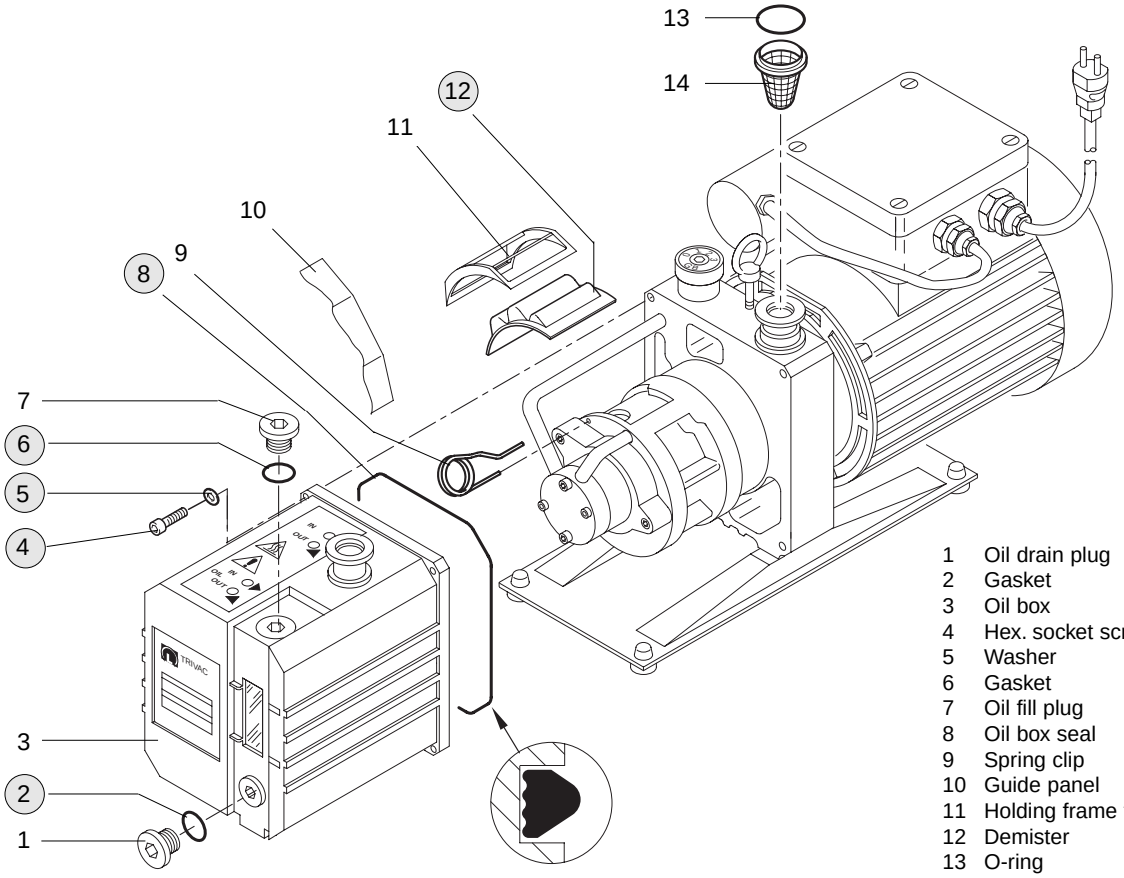
1. Maintenance after three years of operation
2. Complete repair

Ordering Information for the Maintenance Kits and the Repair Sets

TRIVAC	**D 2,5 E 2**
Maintenance Kit	200 40 022
Maintenance Kit 1 (Complete Set)	E 100 000 347
Repair-Set 1	E 100 000 351
Repair-Set 2	200 40 024
Repair-Set 3 (Complete Set)	E 100 000 347

Ordering Information for the Special Tools

TRIVAC	**D 2,5 E 2**
Special tool for the tie rods	200 02 760



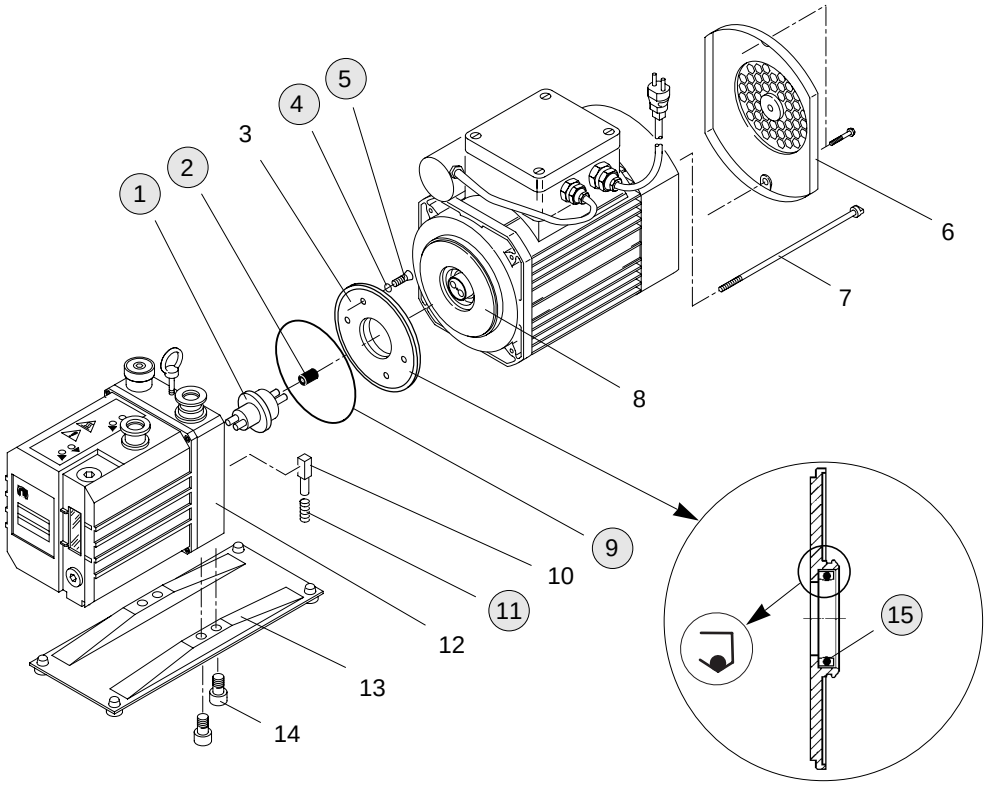
1 Oil drain plug
2 Gasket
3 Oil box
4 Hex. socket screw
5 Washer
6 Gasket
7 Oil fill plug
8 Oil box seal
9 Spring clip
10 Guide panel
11 Holding frame for demister
12 Demister
13 O-ring
14 Dirt trap

○ - parts contained in the maintenance kit

Maintenance kit 1

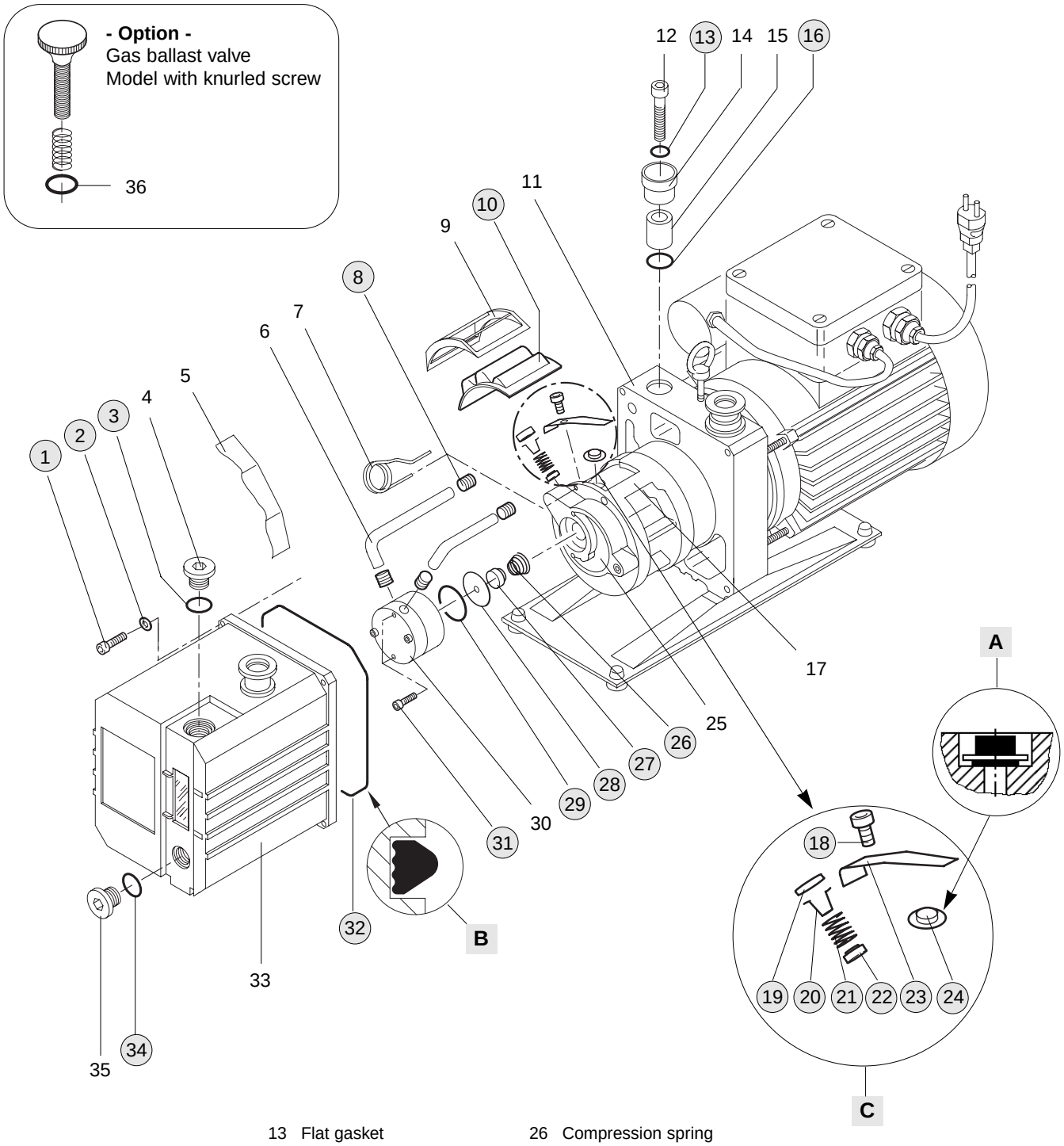
1 Coupling/Oil pump
2 Coupling bushing (2x)
3 Flange for the shaft sealing ring
4 O-ringe (4x)
5 Bolt (4x)
6 Fan cowl
7 Tie rods (4x)
8 A-bearing plate
9 O - ring
10 Stopper
11 Compression spring
12 HV-bearing piece
13 Base
14 Hex. socket bolt (4x)
15 Shaft sealing ring

○ - parts included in the repair kit



Sectional view of the flange for the shaft sealing ring and orientation of the shaft sealing ring

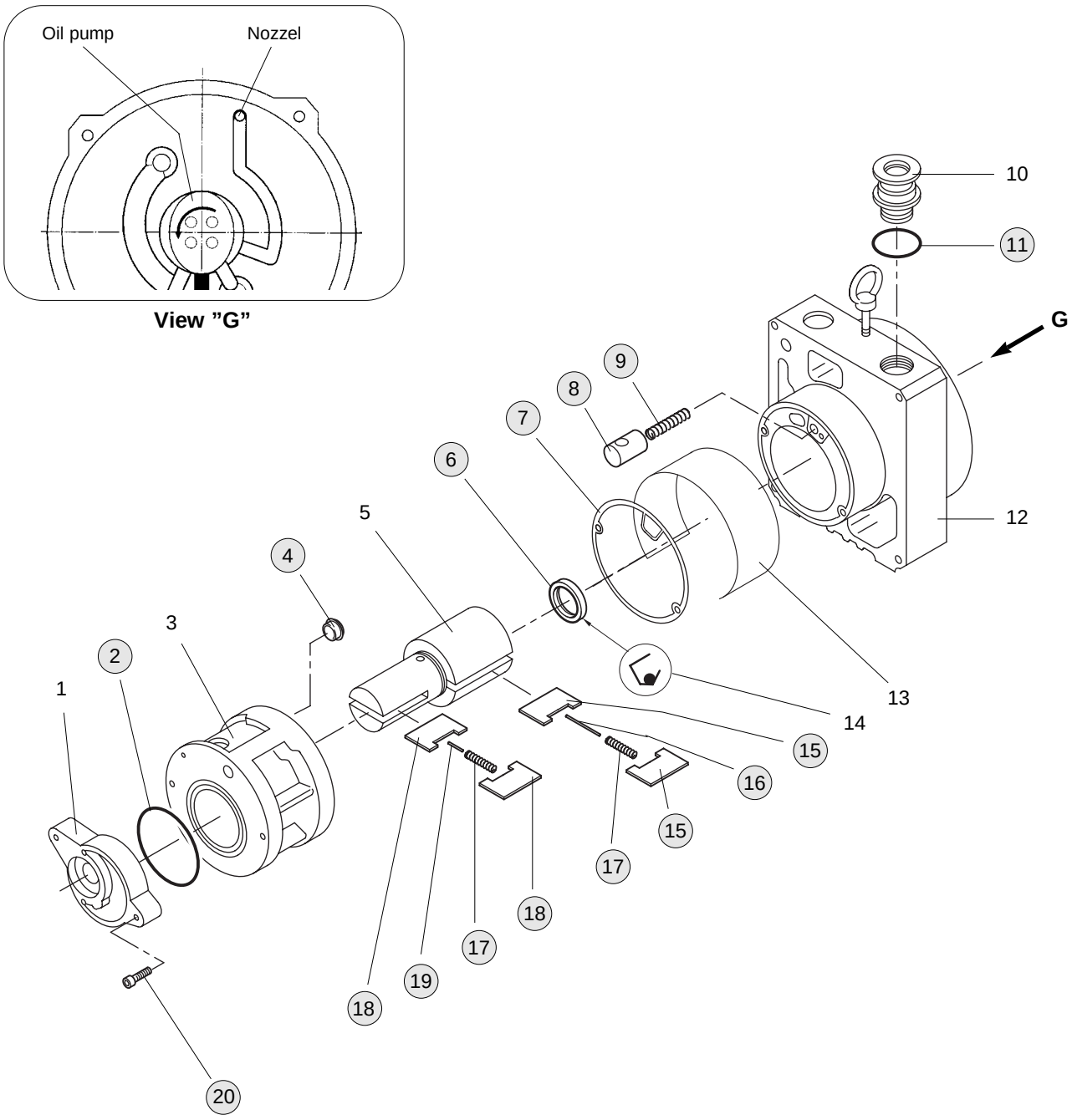
Repair Set 1



1	Hex. socket bolt	13	Flat gasket	26	Compression spring
2	Washer	14	Gas ballast valve - cap	27	Non-return valve
3	Gasket	15	Gas ballast valve	28	Gas ballast orifice
4	Oil fill plug	16	Flat gasket	29	O-ring
5	Guide panel	17	Forevacuum pot	30	Diaphragm valve
6	Oil or gas ballast pipe	18	Hex. socket bolt	31	Hex. socket bolt
7	Spring clip	19	Valve holder	32	Oil box seal
8	Rubber insert (4x)	20	Restrictor	33	Oil box
9	Holding frame for demister	21	Compression spring	34	Gasket
10	Demister	22	Sealing element	35	Oil drain plug
11	HV bearing piece	23	Valve bracket	36	Gasket
12	Hex. socket bolt	24	Bypass valve		
		25	End disk		

◯ - parts contained in the repair kit

Repair Set 2



1	End plate	12	High vacuum bearing piece
2	O-ring	13	Oil guiding panel
3	Forevacuum pot	14	Position/shaft sealing ring
4	Sealing nipple	15	Vane (HV)
5	Rotor	16	Guide pin
6	Shaft sealing ring	17	Compression spring
7	Flat seal	18	Vane (FV)
8	Tandem valve	19	Guide pin
9	Compression spring	20	Hex. socket bolt
10	Intake port		
11	O-ring	◯	- Parts included in the complete kit

Complete Set

Memo:

Sales Net worldwide

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