

OIL ROTARY DIRECT DRIVE
VACUUM PUMPS PART LIST

BT-55, 85

BESTECH

BT-Series Oil Rotary Vacuum Pump Part List (BT55,85)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	Q'TY		REMARKS
				BT55	BT85	
1	Hex socket head cap screw	SCM435	M5x15	6		
2	Sight glass bezel	ADC12	108x48x10	1		
3	Sight glass	Glass	91.5x19x3	1		
4	Sight glass seal	NBR	97x23.5x4.5	1		
5	Oil drain plug	SUM24L	PF 3/8(φ 22x15)	1		
6	Flat O-ring	NBR	φ 15x φ 22x2	1		
7	Oil drain plug	SUM24L	PF 3/8(φ 25x15)	1		
8	Flat O-ring	NBR	φ 15x φ 22x2	1		
9	Oil casing	AC4C	280x345x270	1		
			280x345x320		1	
10	Flat O-ring	NBR	φ 15x φ 22x2	2		
11	Oil intake plug	SUM24L	PF 3/8(φ 22x15)	2		
12	O-ring	NBR	P45	1		
13	Outlet port	SUS304	DN40	1		
14	Center ring	Duralumin	DN40KF	1		
15	O-ring	NBR	φ 42x5(AN326)	1		
16	Outlet port cap	KN333G30	DN40	1		
17	Clamp ring	ADC12	DN40	1		
18	Hex nut	Stainless	M8	2		
19	Washer	Stainless	φ 8	2		
20	Exhaust valve cover	ADC12	110x100x49.5	1		
21	Screen	Stainless		1		
22	O-Ring	NBR	φ 2	1		
23	Oil casing gasket	KDG-4000	245x345x1	1		
24	Hex socket head cap screw	SCM435	M8x120	2		

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				BT55	BT85	
25	Rear cover	GC25	φ 148x20	1		
26	Oil pump	X7511	25.8x10x4	1		
27	Intermediate plate	GC25	φ 148x29	1		
28	Non return valve spring	SUS304	φ 16.1x φ 8.5x8.5	1		
29	Non return valve	Viton	φ 12x7	1		
30	2nd vane	EC-4	40x46.8x7	2		
31	2nd rotor	GC25	φ 73.5x84	1		
32	Rotor sleeve	SCM4	φ 32x φ 26x12	2		
33	2nd Cylinder	GC25	φ 148x75.5	1		
34	Rotor sleeve	SCM4	φ 32x φ 26x19	1		
35	Exhaust valve plate	7C27Mo2	69x36x0.2	1		
36	Exhaust valve catcher	SUS304	72x36x5	1		
37	Exhaust valve bolt	SUS304	φ 10x60.3	2		
38	1st vane	EC-4	95x46.8x7	2		
			125x46.8x7		2	
39	1st rotor	GC25	φ 73.5x206.5	1		
			φ 73.5x236.5		1	
40	Rotor key	S45C	6x6x28x1R	1		
41	Oil seal sleeve O-ring	Viton	φ 25x2	1		
42	Oil seal sleeve	SCM4	φ 32x φ 25x46	1		
			φ 148x133.5		1	
43	1st cylinder	GC25	φ 148x163.5		1	
			φ 148x163.5			
47	Cylinder gasket	KDG-4000	φ 148x0.5	1		
48	O-ring	NBR	G65	1		
49	Oil seal	Viton	φ 32x44x8	1		

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				BT55	BT85	
50	Oil seal cover gasket	KDG-4000	φ 66x0.5	1		
51	Oil seal cover	Duralumin	φ 72x14	1		
52	Hex socket head cap screw	SCM435	M4x15	3		
53	Pump coupling	ZnDC2	φ 65x47	1		
54	Coupling disk	S45C	φ 29x5	1		
55	Hex socket head cap screw	SCM435	M6x25	1		
56	Alignment pin	S45C	φ 4.2x13	2		
57	Pump housing	AC4C	280x350x120	1		
58	Gas ballast valve plate	Viton	φ 19x4	1		
59	Gas ballast valve seat	Kn333G30	φ 19x18	1		
60	Gas ballast valve spring	SWP	φ 18.8x22x φ 1.8	1		
61	Gas ballast valve piston	KN333G30	φ 20.5x35	1		
62	Regulator plate	Kn333G30	φ 35.5x9	1		
63	Hex socket head cap screw	SCM435	M4x12	3		
64	Gas ballast knob	KN333G30	φ 35.5x15	1		
65	Hex socket head cap screw	SCM435	M4x15	1		
66	Clamp ring	ADC12	DN40	1		
67	Inlet port cap	KN333G30	DN40	1		
68	O-ring	NBR	φ 42x5(AN326)	1		
69	Dirt trap	SUS304	DN40KF	1		
70	Hex socket head cap screw	SCM435	M8x20	4		
71	Inlet port	SUS304	110x110x48	1		
72	Stop ring		φ 52(hole type)	1		
73	Valve plate	NBR	φ 46x12	1		
74	Valve cover	PPS	φ 54x17.5	1		

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				BT55	BT85	
75	0-ring	NBR	G45	1		
77	0-ring	Viton	AN110	1		
78	Bushing	SUS304	φ 14.2x φ 9.5x8.5	1		
80	Valve piston	PPS	φ 33.8x62.5	1		
81	Spring	SUS304	φ 15x63x φ 1.4	1		
82	0-ring	NBR	G90	1		
83	Hex socket head cap screw	SCM435	M8x80	3		
84	Hex socket head cap screw	SCM435	M10x130	6		
85	Coupling element	NBR	φ 65x17	1		
87	Set screw	SCM435	M8x8	1		
89	Cooling pan	ZnDC2	φ 170x69.5	1		
90	Motor housing gasket	V/1501	281x345.5x1	1		
91	Hex socket head cap screw	SCM435	M12x50	4		
92	Motor housing	AC4C	280x345x42.5	1		
93	Hex socket head cap screw	SCM435	M10x45	4		
94	Plate key	S45C	8x7x50	1		
95	Motor		2.2Kw	1		
96	Spring washer	S25C	M12	4		
97	Hex nut	SCM435	M12	4		
98	Hex socket head cap screw	SCM435	M8x20	4		
99	Spring washer	S25C	M8	4		
100	Pump base	SS41	600x245x35 650x245x35	1	1	

