

OIL ROTARY BELT TYPE  
VACUUM PUMPS PART LIST

BVP-18, 30, 60

BESTECH

## BVP-Series Oil Rotary Vacuum Pump Part List (BVP-18.30.60)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	PRICE			REMARKS
				BVP18	BVP30	BVP60	
1	Motor		0.4Kw	1			
			0.75Kw		1	1	
2	Motor key	S45C	6x6x30x1R	1	1		
			6x6x35x1R			1	
3	Hex nut	SS41	M8	4	4	4	
4	Washer	SS41	φ 8	4	4	4	
5	Washer	SS41	φ 8	4	4	4	
6	Hex bolt	S25C	M8x25	4	4	4	
7	Handle	SS41	φ 12x200	2	2	2	
8	Hex nut	SS41	M12	4	4	4	
9	Washer	SS41	φ 12	4	4	4	
10	Washer	SS41	φ 12	4	4	4	
11	Hex nut	SS41	M12	4	4	4	
12	Hex bolt	S25C	M8x15	2	2	2	
13	Pump base	SS41	488x285x35	1			
			545x310x35		1		
			610x350x35			1	
14	Safety cover	SS41	470x215x60	1			
			495x230x60		1		
			530x250x60			1	
15	Set screw	SCM435	M8x12	1	1	1	
16	Motor pulley	GC20	φ 68x40	1	1		
			φ 76x40			1	

## BVP-Series Oil Rotary Vacuum Pump Part List (BVP-18.30.60)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	PRICE			REMARKS
				BVP18	BVP30	BVP60	
17	V-belt		A-type 32"	1			
			A-type 35"		1		
			A-type 40"			2	
18	Set screw	SCM435	M8x12	1	1	1	
19	Pump pulley	AL	φ 180x40	1	1		
			φ 219x54			1	
20	Oil seal	NBR	D20x47x10	1	1		
			D25x52x10			1	
21	Bearing		5204	1	1		
			5205			1	
22	Oil seal	NBR	S20x35x7	1	1		
			S25x40x7			1	
23	Hex socket head cap screw	SCM435	M8x25	12	12	12	
24	Pin	S45C	φ 6x24	2	2		
			φ 8x32			2	
25	Front cover	GC25	φ 200x56.5	1			
			φ 216x56.5		1		
			φ 247x57			1	
26	Plug	BC3	PT1/8	1	1	1	
27	1st cylinder	GC25	φ 130x80	1			
			φ 140x100		1		
			φ 170x125			1	
28	Exhaust valve	Viton	φ 16	2	2	3	
29	Exhaust valve spring	SUS304	φ 10.6x32	2	2	3	
30	1st valve guide pin	SUS304	φ 9x16	2	2	3	

## BVP-Series Oil Rotary Vacuum Pump Part List (BVP-18.30.60)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	PRICE			REMARKS
				BVP18	BVP30	BVP60	
31	Exhaust valve cover	SUS304	58x45x2	1			
			78x50x2		1		
			97x58x2			1	
32	Round headed screw	S25C	M6x8	4	4	4	
33	Dirt trap	SUS304	φ 28x20	1	1		
			φ 40x29			1	
34	Inlet port	S45C	φ 38x φ 25x169	1			
			φ 38x φ 25x181		1		
			φ 53x φ 38x202			1	
35	O-ring	NBR	P29	2	2		
			P44			2	
36	Rotor key	S45C	6x6x28x1R	1	1		
			6x6x35x1R			1	
37	Rotor	GC25	φ 70x238	1			
			φ 77x258		1		
			φ 94x301			1	
38	2nd vane	GC20	40x25x8	2			
			40x30.5x8		2		
			40.5x40x10			2	
39	1st vane	GC20	80x41x9.5	2			
			100x46x9.5		2		
			125x57x9.5			2	
40	1st vane spring	SWP	φ 5.8x68	2	2		
			φ 5.8x92			2	

## BVP-Series Oil Rotary Vacuum Pump Part List (BVP-18.30.60)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	PRICE			REMARKS
				BVP18	BVP30	BVP60	
41	2nd vane spring	SWP	φ 4x48	2	2		
			φ 5.8x68			2	
42	Round headed screw	S25C	M6x8	2	2	2	
43	2nd exhaust valve cover	SUS304	50x30x17	1			
			54x30x22		1		
			50x48x13			1	
44	2nd Valve guide pin	SUS304	φ 9x φ 6.5x18	1		1	
			φ 9x φ 6.5x21		1		
45	Exhaust valve spring	SUS304	φ 10.6x32	1	1	1	
46	Exhaust valve	Viton	φ 16	1	1	1	
47	2nd cylinder	GC25	φ 130x70	1			
			φ 140x70		1		
			φ 170x75			1	
48	Hex socket head cap screw	SCM435	M8x25	6	6	6	
49	Pin	S45C	M6x24	2	2		
			M8x32			2	
50	Rear cover	GC25	φ 76x13	1			
			φ 89x14		1		
			φ 105x14			1	
51	Hex socket head cap screw	SCM435	M8x25	4	4	4	
52	O-ring	NBR	φ 162×3.3	1			
			φ 178×3.5		1		
			φ 209×3.5			1	
53	Plate	GL	146x87x36	1			
			150x84x36		1		

## BVP-Series Oil Rotary Vacuum Pump Part List (BVP-18.30.60)

NO	DESCRIPTION	MATERIALS	DIMENSIONS	PRICE			REMARKS
				BVP18	BVP30	BVP60	
53	Plate	GL	180x97x35			1	
54	O-ring	NBR	P36	1	1		
			AN227			1	
55	Inlet fixed nut	AL	φ 66x13	1	1		
			φ 81x13			1	
56	Hex socket head cap screw	SCM435	M6x20	3	3	3	
57	Exhaust port	AL	PF1	1	1		
			PF1 1/2			1	
58	O-ring	NBR	P29	1	1		
			P44			1	
59	O-ring	NBR	P6	1	1	1	
60	Round headed screw	S25C	M6x55	1	1	1	
61	Oil cap	KN333G30	PF1	1	1	1	
62	O-ring	NBR	P35	1	1	1	
63	Oil drain plug	BS	PF1/4	1	1	1	
64	O-ring	NBR	P14	1	1	1	
65	Oil sight		φ 40	1	1	1	
66	Hex bolt	S25C	M12x30	4	4	4	
67	Washer	SS41	φ 12	4	4	4	
68	Hex nut	SS41	M12	4	4	4	
69	Oil casing	GC25	190x237x193	1			
			200x253x215		1		
			245x290x240			1	

# Exploded view of the pump BVP series

