



11.8 润滑油:

11.8 Oil :

油量表 Oil level (L)							
规格 Type	P2N..	P2L..	P2S..	P2K..	P3N..	P3S..	P3K..
09	6	6	6	6	7	7	7
10	8	8	8	8	9	9	9
11	12	12	12	12	13	13	15
12	16	16	16	16	17	17	20
13	20	20	20	20	21	21	21
14	32	32	32	32	33	33	33
16	40	40	40	40	42	42	42
17	56	56	56	56	60	60	60
18	66	66	66	73	70	70	70
19	82	82	82	82	85	85	85
20	75	75	75	75	75	75	75
21	110	110	110		115	115	115
22	95	95	95		105	105	105
23	150	150	150		155	155	155
24	125	125	125		135	135	135
25	190	190	190		195	195	195
26	160	160	160		170	170	170
27	245	245	245		250	250	250
28	205	205	205		220	220	220
29	305	305	305		310	310	310
30	255	255	255		280	280	280
31	380		380		390	390	
32	315		315		360	360	
33	460		460		470	470	
34	380		380		430	430	
35	645		645				
36	535		535				

注:1)在环境温度-10℃~+40℃时,P系列润滑油牌号为VG320 (ISO粘度等级),附件代号V32。

2)以上齿轮箱油量为P.N在B5安装方位、P.K/P.L/P.S为B53安装方位时的油量,其它安装方位时的油量请来电咨询。

Note: 1)When ambient temperature is between -10℃~+40℃, VG320 (ISO viscosity class) should be used for P series and accessory code is V32.

2)The above oil levels are for P..N in mounting position B5 and P.K/P.L/P.S in mounting position B53. Other positions on request.

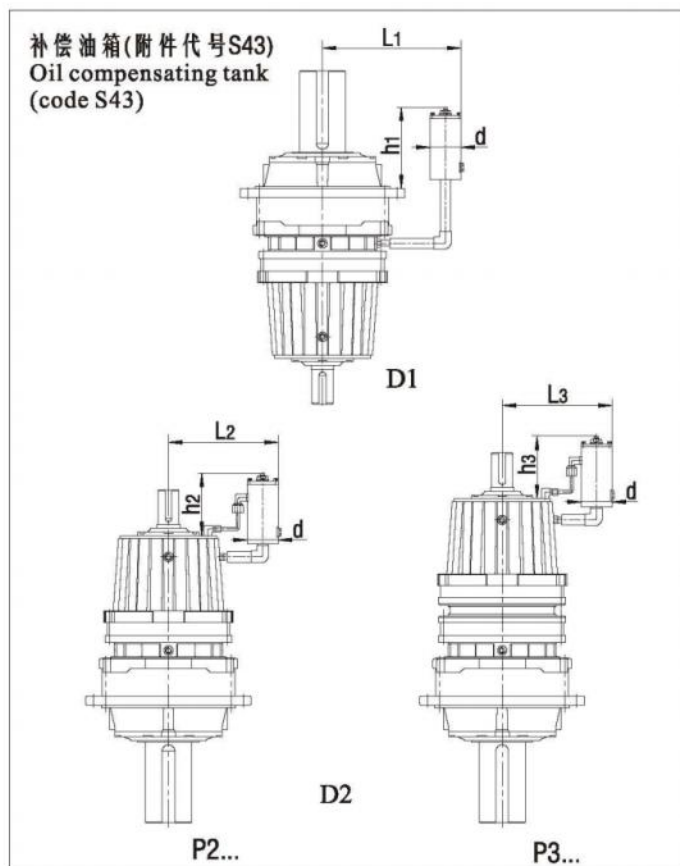


11.9 润滑方式

11.9.1 P.N.,P.S.. 在安装方位为V1、V11、V3、V31时采用补偿油箱浸油润滑:

11.9 Lubrication System

11.9.1 Oil compensating tank for vertical mounting positions V1,V11,V3,V31 of P.N.. and P.S..



规格Size	L1	L2	L3	h1	h2	h3	d
09	345	285	285	210	160	160	φ 80
10	375	285	285	210	160	160	φ 80
11	400	320	285	210	160	160	φ 80
12	435	320	285	210	160	160	φ 80
13	500	400	285	250	180	160	φ 120
14	530	400	285	250	180	160	φ 120
16	555	450	320	250	180	180	φ 120
17	620	450	320	250	180	180	φ 120
18	635	500	400	250	180	180	φ 120
19	650	500	400	250	180	180	φ 120
20	650	500	400	250	180	180	φ 120
21	730	550	400	250	180	180	φ 120
22	730	550	400	250	180	180	φ 120
23	780	550	450	250	180	180	φ 120
24	780	550	450	250	185	180	φ 120
25-36	敬请垂询 On request						

在垂直安装条件下，正常的润滑方式很难给予顶端轴承提供润滑油，为了确保润滑油的供应，齿轮箱内的油量必须加高，如上图（D1、D2）所示，通过补偿油箱加高油位，补偿油箱上装有通气帽通气。油箱可被安装在齿轮箱上，也可以安装在客户的机架上，实际尺寸和最终位置在订货时商定。

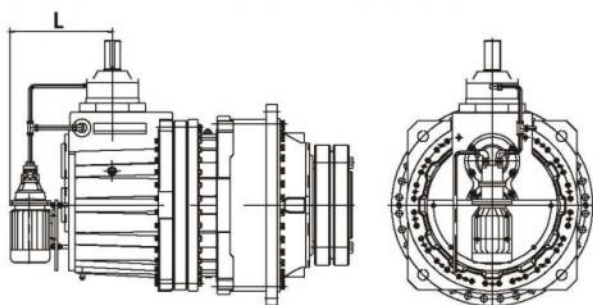
In case of vertical mounting position, normal lubrication system would fail to feed the overhead rolling bearings. To ensure an adequate supply of lubricants, the oil level has to be increased accordingly. As shown above (D1, D2), an oil compensating tank with breather is attached for this purpose. It can be fitted either to the gear unit or to the customer's machine frame. The actual dimension and final position will be decided when the product is ordered.



11.9.2 P.K...,P.L...和P.S.21-P.S.36在安装方位为B51时,需配备电动泵强制循环润滑:

11.9.2 Forced lubrication with motor pump for P.K..., P.L... and P.S.21-P.S.36 in mounting position B51:

型号 Size	L	电机油泵型号 Motor pump size	型号 Size	L	电机油泵型号 Motor pump size
P2K09	335	CB-B6JZ	P3K09	335	CB-B6JZ
P2K10	335	CB-B6JZ	P3K10	335	CB-B6JZ
P2K11	335	CB-B6JZ	P3K11	335	CB-B6JZ
P2K12	335	CB-B6JZ	P3K12	335	CB-B6JZ
P2K13	425	CB-B10JZ	P3K13	335	CB-B6JZ
P2K14	425	CB-B10JZ	P3K14	335	CB-B6JZ
P2K16	445	CB-B10JZ	P3K16	335	CB-B6JZ
P2K17	445	CB-B10JZ	P3K17	445	CB-B10JZ
P2K18	495	CB-B10JZ	P3K18	445	CB-B10JZ
P2K19	495	CB-B10JZ	P3K19	445	CB-B10JZ
P2K20	495	CB-B10JZ	P3K20	445	CB-B10JZ
P2L09	400	CB-B6JZ	P3K21	445	CB-B10JZ
P2L10	400	CB-B6JZ	P3K22	445	CB-B10JZ
P2L11	425	CB-B6JZ	P3K23	495	CB-B10JZ
P2L12	425	CB-B6JZ	P3K24	495	CB-B10JZ
P2L13	500	CB-B10JZ	P3K25	495	CB-B10JZ
P2L14	500	CB-B10JZ	P3K26	495	CB-B10JZ
P2L16	545	CB-B10JZ	P3K27	495	CB-B10JZ
P2L17	545	CB-B10JZ	P3K28	495	CB-B10JZ
P2L18	600	CB-B10JZ	P3K29	495	CB-B10JZ
P2L19	600	CB-B10JZ	P3K30	495	CB-B10JZ
P2L20	600	CB-B10JZ			
P2L21	650	CB-B10JZ			
P2L22	650	CB-B10JZ			
P2L23	725	CB-B10JZ			
P2L24	725	CB-B10JZ			



电动泵强制润滑(附件代号S32)
Forced lubrication with motor pump(accessory code S32)

注: 安装方位, 请参阅 P3.

Note: For mounting positions, see P3.

11.9.3 其它型号行星齿轮箱在其它安装方位时均采用油池飞溅润滑:

11.9.3 Planetary gear units in other mounting positions are usually lubricated with splash lubrication system

注意: 选用润滑方式时, 应校核齿轮箱热容量, 特别是补偿油箱浸油润滑。

Note: Verify the thermal capacity of the gear units when selecting the lubrication systems, especially the mode of oil compensating tank.