

KGP5000/2000 系列 智能阀门定位器

使用说明书 Annex 1 PID 参数库



Annex 1. PID 参数库

1 Software Version 与 PID 参数库

PID 参数库，根据机型的 Software Version 和增速器设定而不同。

表 1 Software Version 与 PID 参数库

KGP5000 Software Version	KGP2000 Software Version	有增速器时 PID 参数库	无增速器时 PID 参数库
0.4.7 以 及之前	N/A	表 2-1 选择直线运动型・单动型时 表 2-2 选择直线运动型・双动型时 表 2-3 选择回转运动型・单动型时 表 2-4 选择回转运动型・双动型时 表 2-5 选择 5300LA 系列时	N/A
0.4.8 ~0.6.1	N/A	表 3-1 选择直线运动型・单动型时 表 3-2 选择直线运动型・双动型时 表 3-3 选择回转运动型・单动型时 表 3-4 选择回转运动型・双动型时 表 3-5 选择 5300LA 系列时	N/A
1.0.0 以 及之后	1.0.0 以 及之后	表 4-1 选择直线运动型・单动型时 表 4-2 选择直线运动型・双动型时 表 4-3 选择回转运动型・单动型时 表 4-4 选择回转运动型・双动型时 表 4-5 选择 5300LA 系列时	表 5-1 选择直线运动型・单动型时 表 5-2 选择直线运动型・双动型时 表 5-3 选择回转运动型・单动型时 表 5-4 选择回转运动型・双动型时 表 5-5 选择 5300LA 系列时

2 无增速器时的 PID 参数库

(KGP5000 Software 0.4.7 以及之前)

表 2-1 选择直线运动型・单动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	30	1.1	0.9	30	1.3	10	1.4	3.0	3.0	4.0	3.0	1.3
	High	0.7	30	1.2	0.9	30	1.2	10	1.8	3.0	3.0	3.6	3.0	1.4
SS	Low	0.7	30	1.3	0.9	30	1.6	10	2.1	3.0	3.7	3.9	3.0	2.6
	High	1.3	30	2.2	1.5	30	2.4	10	2.6	3.0	4.1	4.2	3.0	2.5
S	Low	0.7	30	1.5	0.9	30	1.8	10	2.8	3.0	4.3	3.8	3.0	3.8
	High	1.8	30	3.1	2.0	30	3.5	10	3.4	3.0	5.3	4.8	3.0	3.5
M	Low	1.5	30	4.0	1.9	30	5.0	10	4.7	3.0	6.5	5.2	3.0	5.0
	High	2.5	30	4.0	2.8	30	5.0	10	4.7	3.0	6.5	5.2	3.0	5.0
L	Low	2.0	30	5.0	2.2	30	6.0	10	6.0	3.0	7.0	7.0	3.0	6.0
	High	3.6	30	6.5	4.0	30	8.0	10	5.2	3.0	8.5	5.6	3.0	8.0
LL	Low	2.8	30	6.5	3.1	30	8.0	10	8.0	3.0	9.0	9.0	3.0	8.5
	High	5.1	30	8.5	5.6	30	9.0	10	6.8	3.0	9.0	7.2	3.0	8.5
XL	Low	8.0	30	19.2	8.2	30	23.6	10	20.0	3.0	21.8	22.0	3.0	22.6
	High	21.0	30	35.4	23.0	30	40.0	10	17.0	1.0	22.6	14.0	1.0	25.4

表 2-2 选择直线运动型・双动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	1.2	30	2.0	1.3	30	2.2	10	1.4	3.0	2.2	1.5	3.0	2.4
	High	1.3	30	2.2	1.4	30	2.7	10	2.0	3.0	3.5	2.1	3.0	3.7
SS	Low	1.3	30	2.5	1.5	30	2.6	10	2.0	3.0	3.5	2.1	3.0	3.5
	High	1.5	30	2.8	1.5	30	3.0	10	3.4	3.0	4.3	3.5	3.0	4.2
S	Low	1.5	30	3.4	1.8	30	3.4	10	3.8	3.0	5.0	5.0	3.0	4.6
	High	1.9	30	3.4	1.8	30	3.4	10	4.8	3.0	5.0	5.0	3.0	4.6
M	Low	2.8	30	6.5	2.8	30	6.5	10	6.0	3.0	7.5	6.0	3.0	7.5
	High	3.0	30	7.0	2.8	30	6.5	10	6.0	3.0	7.5	6.0	3.0	7.5
L	Low	21.0	30	30.0	13.0	30	39.5	10	38.0	1.0	34.0	36.0	1.0	46.4
	High	8.0	30	20.0	6.6	30	20.0	10	15.0	1.0	20.0	15.0	1.0	20.0
LL	Low	23.0	30	48.0	14.0	30	55.0	10	45.0	1.0	51.0	38.0	1.0	60.0
	High	16.0	30	42.0	13.0	30	33.0	10	28.0	1.0	42.0	28.0	1.0	42.0
XL	Low	28.0	30	96.0	17.0	30	96.0	10	64.0	1.0	96.0	43.0	1.0	96.0
	High	39.0	30	96.0	13.0	30	67.0	10	84.0	1.0	96.0	15.0	1.0	67.0

表 2-3 选择回转运动型・单动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.8	5	1.3	1.3	5	0.8	5	2.7	1.0	2.8	3.2	1.0	1.8
	High	1.0	5	1.6	1.0	5	1.8	10	3.3	1.0	6.0	2.8	1.0	4.5
SS	Low	0.8	30	1.8	1.2	30	1.6	10	1.8	3.0	3.0	3.2	3.0	2.9
	High	1.0	30	1.3	1.5	30	2.0	10	3.0	3.0	5.2	5.6	3.0	1.6
S	Low	0.8	30	1.8	2.3	30	3.2	10	1.7	3.0	4.4	5.0	3.0	3.8
	High	1.8	30	2.2	2.1	30	3.2	10	4.0	3.0	5.2	5.3	3.0	4.1
M	Low	1.2	30	3.5	2.5	30	4.8	10	3.0	3.0	8.0	7.5	3.0	7.2
	High	2.2	30	5.4	2.9	30	5.4	10	5.7	3.0	6.1	8.1	3.0	5.4
L	Low	3.3	30	6.8	2.8	30	7.0	10	9.0	3.0	8.0	9.0	3.0	8.0
	High	3.2	30	7.4	4.0	30	8.6	10	7.3	3.0	14.7	12.5	3.0	18.0
LL	Low	6.0	30	15.0	5.1	30	14.0	10	14.4	3.0	20.4	13.4	3.0	22.2
	High	6.0	30	17.0	7.0	30	21.0	10	14.0	3.0	33.0	21.0	3.0	46.0
XL	Low	6.5	30	23.3	8.0	30	23.8	10	36.0	1.5	51.0	22.0	1.5	49.0
	High	10.5	30	42.0	19.0	30	52.0	10	26.0	1.0	60.6	28.0	1.0	40.0

表 2-4 选择回转运动型・双动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	1.0	30	1.4	1.0	30	1.4	10	2.6	3.0	2.8	2.8	3.0	2.8
	High	1.2	30	1.9	1.0	30	2.2	10	2.7	3.0	5.0	2.8	3.0	5.2
SS	Low	1.7	30	2.2	1.2	30	2.5	10	4.0	3.0	3.1	2.2	3.0	3.5
	High	1.9	30	2.2	1.7	30	2.5	10	4.5	3.0	2.6	4.5	3.0	3.5
S	Low	2.2	30	3.1	2.0	30	3.2	10	6.0	3.0	4.2	4.2	3.0	5.6
	High	2.5	30	3.4	2.2	30	3.2	10	7.0	3.0	3.0	5.0	3.0	4.5
M	Low	3.5	30	6.0	4.0	30	6.4	10	9.0	3.0	8.5	6.5	3.0	9.6
	High	4.2	30	7.0	4.0	30	7.0	10	10.0	3.0	9.0	7.0	3.0	10.0
L	Low	4.7	30	9.5	5.4	30	8.2	10	10.0	3.0	10.3	7.7	3.0	12.6
	High	4.9	30	10.1	5.7	30	10.1	10	10.6	3.0	14.6	9.4	3.0	13.5
LL	Low	9.4	30	20.0	12.0	30	22.5	10	18.0	3.0	27.8	16.0	3.0	26.5
	High	9.5	30	23.0	12.5	30	23.0	10	18.0	3.0	36.0	18.0	3.0	30.0
XL	Low	28.0	30	51.3	38.0	30	53.2	10	54.0	1.5	65.0	46.0	1.5	81.2
	High	36.0	30	94.0	38.0	30	71.7	10	38.0	1.5	93.4	38.0	1.5	93.4

表 2-5 选择 5300LA 系列时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.9	30	2.4	2.8	30	3.0	10	1.8	1.5	7.0	6.0	1.5	8.0
	High	1.4	30	2.5	2.7	30	3.0	10	2.5	2.0	7.0	5.0	2.0	10.0
S	Low	1.3	30	3.4	3.8	30	5.0	10	3.0	3.0	9.0	9.0	3.0	8.0
	High	1.7	30	4.4	4.2	30	5.5	10	3.3	3.0	10.2	9.9	3.0	10.0
M	Low	4.8	30	6.7	4.5	30	8.0	10	9.5	1.0	14.0	11.7	1.0	9.6
	High	5.0	30	7	4.7	30	8.6	10	10.0	1.0	15.5	12.0	1.0	10.0
L	Low	5.7	30	19	8	30	17.0	10	13.0	1.0	20.0	18.0	1.0	20.0
	High	6.2	30	20	7.2	30	22.0	10	15.0	1.0	28.0	22.0	1.0	29.0
LL	Low	7.7	30	30	11	30	25.0	10	18.0	1.0	26.0	25.0	1.0	29.0
	High	8.5	30	40	9.5	30	38.0	10	25.0	1.0	56.0	35.0	1.0	46.0

3 无增速器时的 PID 参数库

(KGP5000 Software 0.4.8 ~ 0.6.1)

表 3-1 选择直线运动型・单动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.5	5	1.0	0.8	5	0.9	10	1.4	2.0	2.4	3.0	2.0	1.4
	High	0.6	5	1.0	1.0	5	1.2	10	1.7	2.0	1.9	3.5	2.0	2.0
SS	Low	0.7	5	1.8	1.2	5	1.7	10	1.5	2.0	3.7	3.5	2.0	2.7
	High	0.8	5	1.3	1.1	5	1.5	10	1.7	2.0	2.5	3.3	2.0	2.0
S	Low	0.9	5	2.5	1.5	5	2.5	10	1.6	2.0	5.0	4.0	2.0	4.0
	High	1.0	5	1.6	1.2	5	1.7	10	1.7	2.0	3.0	3.0	2.0	2.0
M	Low	1.6	5	2.7	1.8	5	3.0	10	3.0	1.5	6.0	5.8	1.5	5.0
	High	1.6	5	3.5	1.8	5	2.6	10	3.8	1.5	7.0	4.0	1.5	5.0
L	Low	3.2	5	8.0	3.3	5	5.4	10	5.0	1.5	9.5	7.5	1.5	7.6
	High	4.0	5	8.5	5.2	5	8.8	10	4.9	1.0	17.0	6.5	1.0	11.0
LL	Low	3.0	5	9.0	3.2	5	5.8	10	7.2	1.0	12.5	6.0	1.0	9.5
	High	5.0	5	10.5	6.5	5	11.2	10	5.5	1.0	21.0	6.0	1.0	16.0
XL	Low	8.0	5	25.0	7.0	5	15.0	10	13.8	1.0	32.0	12.6	1.0	27.0
	High	7.0	5	26.0	6.0	5	17.0	10	16.0	1.5	34.0	14.0	1.5	31.0

表 3-2 选择直线运动型・双动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	8	1.1	0.7	8	1.2	10	2.0	2.5	1.8	2	2.5	1.5
	High	0.8	3	1.7	0.9	3	1.5	10	3.5	2.0	2.3	4.5	2.0	1.0
SS	Low	0.7	8	1.4	1.1	8	1.9	10	2.1	2.5	0.8	2.2	2.5	3.0
	High	1.1	3	1.9	1.5	3	1.6	10	3.2	2.0	1.9	4.3	2.0	3.3
S	Low	1.0	5	2.0	1.1	5	1.8	10	3.0	2.5	3.2	3.2	2.5	3.2
	High	1.1	5	2.2	1.4	5	2.2	10	5.0	2.5	4.0	6.0	2.5	3.0
M	Low	4.1	5	8.6	4.5	5	8.0	10	5.2	2.0	10.3	4.5	2.0	15.2
	High	4.8	5	9.2	4.2	5	6.0	10	4.8	2.0	12.0	4.5	2.0	16.5
L	Low	10.8	5	22.1	12.3	5	21.2	10	11.8	2.0	26.1	13.0	2.0	26.2
	High	11.4	5	23.2	13.2	5	21.7	10	12.8	2.0	27.8	15.0	2.0	27.2
LL	Low	17.0	5	34.6	21.0	5	36.0	10	17.0	1.0	34.6	21.0	1.0	36.0
	High	17.0	5	34.6	23.0	5	36.0	10	17.0	1.0	34.6	23.0	1.0	36.0
XL	Low	37.0	5	76.0	40.5	5	70.0	10	37.0	1.0	95.0	40.5	1.0	88.0
	High	37.0	5	76.0	40.5	5	70.0	10	37.0	1.0	95.0	40.5	1.0	88.0

表 3-3 选择回转运动型・单动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.4	5	0.5	0.6	5	0.8	10	1.7	2.0	3.0	3.8	2.0	1.6
	High	0.6	5	0.8	0.6	5	0.5	10	1.0	1.5	1.8	3	1.5	1.8
SS	Low	0.3	10	1.3	0.7	10	1.1	10	0.7	2.5	2.8	2.8	2.5	1.8
	High	0.4	10	1.5	0.8	10	1.0	10	0.5	2.5	2.0	3.2	2.5	2.0
S	Low	0.6	5	2.0	1.2	5	1.6	10	1.2	2.0	3.2	3.5	2.0	3.0
	High	0.8	5	1.5	1.3	5	1.6	10	1.4	1.5	4.0	4.4	1.5	4.2
M	Low	1.4	5	2.8	2.0	5	2.6	10	3.2	2.0	7.2	5.0	2.0	6.8
	High	1.4	5	2.8	2.0	5	2.6	10	3.2	2.0	7.2	4.5	2.0	6.5
L	Low	1.6	5	4.2	2.5	5	3.4	10	4.7	1.0	8.2	6.0	1.0	6.8
	High	1.5	5	3.5	2.3	5	2.5	10	5.0	1.5	12.0	7.5	1.5	9.0
LL	Low	3.4	5	10.5	4.6	5	10.5	10	6.8	0.7	18.0	12.0	1.5	18.0
	High	3.8	5	11.0	4.5	5	11.0	10	7.8	1.0	16.5	11.0	1.0	16.5
XL	Low	5.5	5	15.0	6.0	5	15.0	10	10.0	2.0	20.0	12.0	2.0	20.0
	High	7.0	5	15.0	8.0	5	15.0	10	14.0	2.0	18.0	15.0	2.0	20.0

表 3-4 选择回转运动型・双动型时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	5	1.4	0.8	5	1.4	10	1.9	1.5	2.4	2.3	1.5	2.4
	High	0.8	5	1.2	0.9	5	1.2	10	2.2	1.5	1.9	2.7	1.5	1.9
SS	Low	0.7	5	1.1	0.8	5	1.2	10	2.9	1.0	4.0	3.0	1.0	4.0
	High	0.7	5	1.1	0.8	5	1.2	10	2.9	1.0	4.0	3.0	1.0	4.0
S	Low	1.0	5	2.0	1.3	5	2.5	10	3.6	1.0	4.4	4.0	1.0	4.4
	High	1.2	5	2.2	1.4	5	2.2	10	3.8	1.0	4.4	4.2	1.0	4.4
M	Low	2.1	5	4.0	2.3	5	3.5	10	4.8	1.0	7.0	6.5	1.0	7.5
	High	2.0	5	4.0	2.2	5	3.5	10	4.8	2.0	7.0	6.5	2.0	7.5
L	Low	2.5	5	5.0	3.2	5	5.4	10	5.0	1.5	9.0	5.4	1.5	10.0
	High	3.0	5	5.4	3.3	5	5.0	10	4.3	1.5	10.5	4.6	1.5	11.0
LL	Low	5.2	5	11.0	5.2	5	10.0	10	8.0	1.5	16.0	8.0	1.5	14.5
	High	5.0	5	10.0	5.5	5	9.0	10	5.9	1.5	15.0	6.5	1.5	13.5
XL	Low	15.0	5	32.0	15.0	5	29.0	10	20.0	2.5	44.0	20.0	2.5	41.0
	High	15.0	5	30.0	16.0	5	27.0	10	17.0	2.0	44.0	21.0	2.0	40.0

表 3-5 选择 5300LA 系列时

Rank	Packing	Air-IN			Air-OUT			b	Inner Air-IN			Inner Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.7	5	1.2	1.3	5	1.6	10	1.0	1.5	3.0	3.8	1.5	2.5
	High	0.9	5	2.3	1.5	5	1.9	10	1.5	2.5	4.4	4.0	2.5	3.0
S	Low	1.4	5	3.2	2.2	5	3.2	10	3.4	1.0	6.1	4.5	1.0	4.9
	High	1.8	5	4.5	2.6	5	4.0	10	2.7	2.5	9.0	4.0	2.5	4.4
M	Low	3.2	5	8	3.3	5	4.9	10	5.0	1.5	10.3	6.4	1.5	7.1
	High	4.0	5	8	3.8	5	6.3	10	6.0	1.0	15.0	6.7	1.0	8.0
L	Low	6.3	5	13	5.4	5	7.5	10	7.0	1.0	16.5	11.0	1.0	16.3
	High	7.2	5	10.5	7.4	5	6.8	10	7.7	1.0	20.0	7.4	1.0	18.0
LL	Low	9.0	5	21.5	10	5	18.2	10	9.1	1.5	22.7	10.1	1.5	18.8
	High	13.8	5	23.7	12.8	5	14.0	10	15.6	1.0	38.1	14.4	1.0	27.4

4 无增速器时的 PID 参数库

(KGP5000 Software 1.0.0 以及之后/KGP2000 Software 1.0.0 以及之后)

表 4-1 选择直线运动型・单动型时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.5	5.0	1.0	0.8	5.0	0.9	10	1.4	2.0	2.4	3.0	2.0	1.4
	High	0.6	5.0	1.0	1.0	5.0	1.2	10	1.7	2.0	1.9	3.5	2.0	2.0
SS	Low	0.7	5.0	1.8	1.2	5.0	1.7	10	1.5	2.0	3.7	3.5	2.0	2.7
	High	0.8	5.0	1.3	1.1	5.0	1.5	10	1.7	2.0	2.5	3.3	2.0	2.0
S	Low	0.9	5.0	2.5	1.5	5.0	2.5	10	1.6	2.0	5.0	4.0	2.0	4.0
	High	1.0	5.0	1.6	1.2	5.0	1.7	10	1.7	2.0	3.0	3.0	2.0	2.0
M	Low	1.6	5.0	2.7	1.8	5.0	3.0	10	3.0	1.5	6.0	5.8	1.5	5.0
	High	1.6	5.0	3.5	1.8	5.0	2.6	10	3.8	2.0	7.0	4.0	2.0	5.0
L	Low	3.2	5.0	8.0	3.3	5.0	5.4	10	5.0	1.5	9.5	7.5	1.5	7.6
	High	4.0	5.0	8.5	5.2	5.0	8.8	10	4.9	2.0	17.0	6.5	2.0	11.0
LL	Low	3.0	5.0	9.0	3.2	5.0	5.8	10	7.2	1.0	12.5	6.0	1.0	9.5
	High	5.0	5.0	10.5	6.5	5.0	11.2	10	5.5	2.0	21.0	6.0	2.0	16.0
XL	Low	8.0	5.0	25.0	7.0	5.0	15.0	10	13.8	1.0	32.0	12.6	1.0	27.0
	High	7.0	5.0	26.0	6.0	5.0	17.0	10	16.0	2.0	34.0	14.0	2.0	31.0

表 4-2 选择直线运动型・双动型时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	8.0	1.1	0.7	8.0	1.2	10	2.0	2.5	1.8	2.0	2.5	1.5
	High	0.8	3.0	1.7	0.9	3.0	1.5	10	3.5	2.0	2.3	4.5	2.0	1.0
SS	Low	0.7	8.0	1.4	1.1	8.0	1.9	10	2.1	2.5	0.8	2.2	2.5	3.0
	High	1.1	3.0	1.9	1.5	3.0	1.6	10	3.2	2.0	1.9	4.3	2.0	3.3
S	Low	1.0	5.0	2.0	1.1	5.0	1.8	10	3.0	2.5	3.2	3.2	2.5	3.2
	High	1.1	5.0	2.2	1.4	5.0	2.2	10	5.0	2.5	4.0	6.0	2.5	3.0
M	Low	4.1	5.0	8.6	4.5	5.0	8.0	10	5.2	2.0	10.3	4.5	2.0	15.2
	High	4.8	5.0	9.2	4.2	5.0	6.0	10	4.8	2.0	12.0	4.5	2.0	16.5
L	Low	10.8	5.0	22.1	12.3	5.0	21.2	10	11.8	2.0	26.1	13.0	2.0	26.2
	High	11.4	5.0	23.2	13.2	5.0	21.7	10	12.8	2.0	27.8	15.0	2.0	27.2
LL	Low	17.0	5.0	34.6	21.0	5.0	36.0	10	17.0	1.0	34.6	21.0	1.0	36.0
	High	17.0	5.0	34.6	23.0	5.0	36.0	10	17.0	2.0	34.6	23.0	2.0	36.0
XL	Low	37.0	5.0	76.0	40.5	5.0	70.0	10	37.0	1.0	95.0	40.5	1.0	88.0
	High	37.0	5.0	76.0	40.5	5.0	70.0	10	37.0	2.0	95.0	40.5	2.0	88.0

表 4-3 选择回转运动型・单动型时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.4	5.0	0.5	0.6	5.0	0.8	10	1.7	2.0	3.0	3.8	2.0	1.6
	High	0.6	5.0	0.8	0.6	5.0	0.5	10	1.0	2.0	1.8	3.0	2.0	1.8
SS	Low	0.3	10.0	1.3	0.7	10.0	1.1	10	0.7	2.5	2.8	2.8	2.5	1.8
	High	0.4	10.0	1.5	0.8	10.0	1.0	10	0.5	2.5	2.0	3.2	2.5	2.0
S	Low	0.6	5.0	2.0	1.2	5.0	1.6	10	1.2	2.0	3.2	3.5	2.0	3.0
	High	0.8	5.0	1.5	1.3	5.0	1.6	10	1.4	2.0	4.0	4.4	2.0	4.2
M	Low	1.4	5.0	2.8	2.0	5.0	2.6	10	3.2	2.0	7.2	5.0	2.0	6.8
	High	1.4	5.0	2.8	2.0	5.0	2.6	10	3.2	2.0	7.2	4.5	2.0	6.5
L	Low	1.6	5.0	4.2	2.5	5.0	3.4	10	4.7	1.0	8.2	6.0	1.0	6.8
	High	1.5	5.0	3.5	2.3	5.0	2.5	10	5.0	2.0	12.0	7.5	2.0	9.0
LL	Low	3.4	5.0	10.5	4.6	5.0	10.5	10	6.8	1.0	18.0	12.0	1.5	18.0
	High	3.8	5.0	11.0	4.5	5.0	11.0	10	7.8	2.0	16.5	11.0	2.0	16.5
XL	Low	5.5	5.0	15.0	6.0	5.0	15.0	10	10.0	2.0	20.0	12.0	2.0	20.0
	High	7.0	5.0	15.0	8.0	5.0	15.0	10	14.0	2.0	18.0	15.0	2.0	20.0

表 4-4 选择回转运动型・双动型时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.6	5.0	1.4	0.8	5.0	1.4	10	1.9	1.5	2.4	2.3	1.5	2.4
	High	0.8	5.0	1.2	0.9	5.0	1.2	10	2.2	2.0	1.9	2.7	2.0	1.9
SS	Low	0.7	5.0	1.1	0.8	5.0	1.2	10	2.9	1.0	4.0	3.0	1.0	4.0
	High	0.7	5.0	1.1	0.8	5.0	1.2	10	2.9	2.0	4.0	3.0	2.0	4.0
S	Low	1.0	5.0	2.0	1.3	5.0	2.5	10	3.6	1.0	4.4	4.0	1.0	4.4
	High	1.2	5.0	2.2	1.4	5.0	2.2	10	3.8	2.0	4.4	4.2	2.0	4.4
M	Low	2.1	5.0	4.0	2.3	5.0	3.5	10	4.8	1.0	7.0	6.5	1.0	7.5
	High	2.0	5.0	4.0	2.2	5.0	3.5	10	4.8	2.0	7.0	6.5	2.0	7.5
L	Low	2.5	5.0	5.0	3.2	5.0	5.4	10	5.0	1.5	9.0	5.4	1.5	10.0
	High	3.0	5.0	5.4	3.3	5.0	5.0	10	4.3	2.0	10.5	4.6	2.0	11.0
LL	Low	5.2	5.0	11.0	5.2	5.0	10.0	10	8.0	1.5	16.0	8.0	1.5	14.5
	High	5.0	5.0	10.0	5.5	5.0	9.0	10	5.9	2.0	15.0	6.5	2.0	13.5
XL	Low	15.0	5.0	32.0	15.0	5.0	29.0	10	20.0	2.5	44.0	20.0	2.5	41.0
	High	15.0	5.0	30.0	16.0	5.0	27.0	10	17.0	2.0	44.0	21.0	2.0	40.0

表 4-5 选择 5300LA 系列时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.7	5.0	1.2	1.3	5.0	1.6	10	1.0	1.5	3.0	3.8	1.5	2.5
	High	0.9	5.0	2.3	1.5	5.0	1.9	10	1.5	2.5	4.4	4.0	2.5	3.0
S	Low	1.4	5.0	3.2	2.2	5.0	3.2	10	3.4	1.0	6.1	4.5	1.0	4.9
	High	1.8	5.0	4.5	2.6	5.0	4.0	10	2.7	2.5	9.0	4.0	2.5	4.4
M	Low	3.2	5.0	8.0	3.3	5.0	4.9	10	5.0	1.5	10.3	6.4	1.5	7.1
	High	4.0	5.0	8.0	3.8	5.0	6.3	10	6.0	2.0	15.0	6.7	2.0	8.0
L	Low	6.3	5.0	13.0	5.4	5.0	7.5	10	7.0	1.0	16.5	11.0	1.0	16.3
	High	7.2	5.0	10.5	7.4	5.0	6.8	10	7.7	2.0	20.0	7.4	2.0	18.0
LL	Low	9.0	5.0	21.5	10.0	5.0	18.2	10	9.1	1.5	22.7	10.1	1.5	18.8
	High	13.8	5.0	23.7	12.8	5.0	14.0	10	15.6	2.0	38.1	14.4	2.0	27.4

5 有增速器时的 PID 参数库

(KGP5000 Software 1.0.0 以及之后/KGP2000 Software 1.0.0 以及之后)

表 5-1 选择直线运动型・单动型时

当设定 Booster option 为 **Large** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.6	0.4	5.0	0.5	10	4.0	2.0	5.0	5.0	5.0	5.5
	High	0.6	5.0	0.8	0.6	5.0	1.1	10	4.5	2.0	5.5	5.5	5.0	7.0
S	Low	0.7	5.0	1.0	0.9	5.0	1.3	10	4.0	2.0	5.0	5.0	5.0	6.0
	High	0.7	5.0	1.2	0.9	5.0	1.3	10	4.0	2.0	6.0	5.0	5.0	5.0
M	Low	0.8	5.0	1.6	1.0	5.0	1.4	10	4.5	2.0	6.5	6.0	5.0	6.0
	High	0.8	5.0	1.6	1.0	5.0	1.4	10	5.0	2.0	7.0	7.0	5.0	7.0
L	Low	0.8	5.0	1.2	0.9	5.0	1.2	10	4.6	2.0	6.3	5.0	5.0	6.3
	High	0.9	5.0	1.5	0.9	5.0	1.5	10	5.0	2.0	7.0	6.0	5.0	7.0
LL	Low	1.4	5.0	1.8	1.2	5.0	1.8	10	6.0	2.0	9.0	5.0	5.0	8.0
	High	1.4	5.0	2.5	1.2	5.0	2.2	10	7.0	2.0	10.5	6.0	5.0	9.0
XL	Low	1.7	5.0	2.2	1.5	5.0	2.2	10	6.0	2.0	10.4	5.1	2.0	8.7
	High	1.7	5.0	3.1	1.4	5.0	2.7	10	8.1	2.0	12.2	6.4	2.0	9.9

当设定 Booster option 为 **Small** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.4	5.0	1.0	0.6	5.0	0.9	10	2.8	2.0	4.0	4.5	5.0	5.0
	High	0.5	5.0	1.0	0.6	5.0	0.9	10	3.5	2.0	4.5	4.5	5.0	5.0
S	Low	0.7	5.0	1.3	0.8	5.0	1.4	10	3.0	2.0	6.5	3.5	5.0	5.5
	High	0.7	5.0	1.2	0.8	5.0	1.4	10	3.5	2.0	6.5	5.0	5.0	5.0
M	Low	0.8	5.0	1.6	0.9	5.0	1.7	10	4.5	2.0	3.5	4.0	5.0	8.0
	High	0.8	5.0	1.6	0.9	5.0	1.7	10	3.5	2.0	9.0	4.5	5.0	5.5
L	Low	0.8	5.0	1.6	0.9	5.0	1.7	10	4.5	2.0	5.5	4.0	5.0	8.0
	High	0.8	5.0	1.6	0.9	5.0	1.8	10	3.5	2.0	9.0	4.5	5.0	5.5
LL	Low	1.4	5.0	1.8	1.2	5.0	1.8	10	6.0	2.0	9.0	4.0	5.0	12.0
	High	1.4	5.0	2.5	1.2	5.0	3.5	10	5.0	2.0	13.0	5.0	5.0	13.0
XL	Low	1.8	5.0	2.1	1.4	5.0	2.1	10	7.3	2.0	10.4	3.9	2.0	14.5
	High	1.7	5.0	3.1	1.4	5.0	4.4	10	8.1	2.0	12.2	6.4	2.0	9.9

表 5-2 选择直线运动型・双动型时

当设定 Booster option 为 **Large** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.3	5.0	0.3	0.4	5.0	0.5	10	5.5	2.0	8.5	4.0	2.0	6.0
	High	0.4	5.0	0.7	0.5	5.0	0.6	10	5.5	2.0	8.5	4.0	2.0	6.0
SS	Low	0.9	5.0	1.8	1.1	5.0	1.6	10	6.0	2.0	6.5	6.0	2.0	8.5
	High	1.1	5.0	2.3	1.2	5.0	1.7	10	6.5	2.0	8.0	6.5	2.0	8.0
S	Low	2.0	5.0	4.0	2.5	5.0	4.0	10	7.0	2.0	9.0	7.0	2.0	9.0
	High	2.6	5.0	5.2	3.0	5.0	4.0	10	7.0	2.0	9.0	7.0	2.0	9.0
M	Low	3.5	5.0	5.5	5.5	5.0	8.5	10	10.0	2.0	10.0	10.0	2.0	10.0
	High	5.0	5.0	9.0	5.5	5.0	7.0	10	8.5	2.0	10.0	10.0	2.0	9.5
L	Low	12.0	5.0	24.0	15.0	5.0	20.0	10	10.0	2.0	20.0	13.0	2.0	20.0
	High	11.5	5.0	24.0	14.0	5.0	20.0	10	10.0	2.0	20.0	11.0	2.0	20.0
LL	Low	15.0	5.0	30.0	20.0	5.0	30.0	10	15.0	2.0	30.0	18.0	2.0	30.0
	High	15.0	5.0	30.0	20.0	5.0	30.0	10	20.0	2.0	25.0	20.0	2.0	25.0

当设定 Booster option 为 **Small** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
XS	Low	0.3	5.0	0.3	0.4	5.0	0.5	10	5.0	2.0	5.5	4.0	2.0	6.0
	High	0.4	5.0	0.7	0.5	5.0	0.6	10	4.5	2.0	8.5	4.0	2.0	6.0
SS	Low	0.8	5.0	1.6	1.2	5.0	1.6	10	5.5	2.0	6.5	6.0	2.0	10.0
	High	1.1	5.0	1.8	1.2	5.0	1.6	10	6.0	2.0	6.5	6.0	2.0	8.0
S	Low	2.5	5.0	7.0	3.0	5.0	7.0	10	10.0	2.0	15.0	10.0	2.0	13.0
	High	3.0	5.0	10.0	4.0	5.0	8.0	10	8.5	2.0	9.0	10.0	2.0	10.0
M	Low	3.5	5.0	11.0	3.5	5.0	13.0	10	10.0	2.0	15.0	10.0	2.0	13.0
	High	5.0	5.0	15.0	5.0	5.0	10.0	10	8.5	2.0	9.0	10.0	2.0	10.0
L	Low	12.0	5.0	24.0	15.0	5.0	20.0	10	10.0	2.0	20.0	13.0	2.0	20.0
	High	12.5	5.0	24.0	17.0	5.0	20.0	10	10.0	2.0	20.0	11.0	2.0	20.0
LL	Low	20.0	5.0	30.0	20.0	5.0	30.0	10	15.0	2.0	30.0	18.0	2.0	30.0
	High	20.0	5.0	30.0	20.0	5.0	30.0	10	20.0	2.0	25.0	20.0	2.0	25.0

表 5-3 选择回转运动型・单动型时

当设定 Booster option 为 **Large** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.8	0.7	5.0	1.2	10	4.0	2.0	6.0	5.0	5.0	5.0
	High	0.6	5.0	1.0	0.6	5.0	1.1	10	4.5	2.0	6.0	5.5	5.0	6.0
S	Low	0.4	5.0	0.8	0.8	5.0	1.2	10	4.5	2.0	6.5	3.5	5.0	4.5
	High	0.7	5.0	1.3	0.7	5.0	1.2	10	4.5	2.0	5.0	6.0	5.0	7.0
M	Low	1.0	5.0	1.8	1.3	5.0	2.4	10	4.0	2.0	6.0	6.5	5.0	7.0
	High	1.0	5.0	2.5	1.2	5.0	2.2	10	5.0	2.0	7.0	6.0	5.0	6.0
L	Low	2.3	5.0	3.9	2.8	5.0	5.4	10	4.5	2.0	9.9	6.3	5.0	9.9
	High	2.3	5.0	3.9	2.8	5.0	5.4	10	4.5	2.0	9.9	6.3	5.0	9.9
LL	Low	3.0	5.0	5.2	3.7	5.0	7.2	10	11.3	2.0	10.6	12.0	5.0	13.4
	High	2.4	5.0	4.7	3.0	5.0	5.6	10	10.7	2.0	10.5	9.7	5.0	10.5

当设定 Booster option 为 **Small** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.4	5.0	0.8	0.7	5.0	1.2	10	3.5	2.0	6.0	4.5	5.0	4.5
	High	0.7	5.0	1.2	0.7	5.0	1.2	10	3.5	2.0	4.5	5.0	5.0	5.0
S	Low	0.4	5.0	0.8	0.8	5.0	1.3	10	3.0	2.0	4.0	5.0	5.0	7.0
	High	0.6	5.0	1.1	0.8	5.0	1.3	10	3.5	2.0	4.5	5.0	5.0	6.0
M	Low	0.9	5.0	1.8	1.3	5.0	2.4	10	3.5	2.0	5.0	6.0	5.0	7.0
	High	1.0	5.0	2.7	1.2	5.0	2.4	10	3.5	2.0	6.5	5.0	5.0	8.0
L	Low	1.4	5.0	2.7	1.8	5.0	3.6	10	8.5	2.0	8.5	8.5	5.0	9.5
	High	1.4	5.0	2.7	1.8	5.0	3.6	10	8.5	2.0	8.5	8.5	5.0	9.5
LL	Low	2.2	5.0	4.2	2.8	5.0	5.6	10	11.3	2.0	15.8	13.9	5.0	17.5
	High	2.2	5.0	4.5	2.5	5.0	5.8	10	11.8	2.0	12.8	10.6	5.0	14.0

表 5-4 选择回转运动型・双动型时

当设定 Booster option 为 **Large** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.8	0.5	5.0	0.7	10	5.5	2.0	6.0	5.5	5.0	6.0
	High	0.5	5.0	0.8	0.5	5.0	0.6	10	6.0	2.0	6.0	6.0	5.0	6.0
S	Low	0.7	5.0	1.1	0.7	5.0	1.1	10	7.0	2.0	9.0	6.0	2.0	9.0
	High	0.7	5.0	1.1	0.7	5.0	1.0	10	7.0	2.0	9.0	6.0	2.0	9.0
M	Low	1.2	5.0	2.0	1.3	5.0	1.8	10	6.5	2.0	8.0	7.0	2.0	9.0
	High	1.2	5.0	1.9	1.4	5.0	2.0	10	6.5	2.0	8.5	7.0	2.0	9.0
L	Low	1.8	5.0	3.0	1.9	5.0	2.6	10	7.5	2.0	9.5	8.0	2.0	10.0
	High	1.8	5.0	2.9	2.2	5.0	3.2	10	7.0	2.0	9.0	7.0	2.0	9.0
LL	Low	4.9	5.0	8.4	5.3	5.0	7.1	10	11.3	2.0	15.8	13.9	2.0	17.5
	High	4.9	5.0	8.1	6.4	5.0	9.5	10	11.3	2.0	15.8	13.9	2.0	17.5

当设定 Booster option 为 **Small** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.9	0.5	5.0	0.8	10	4.5	2.0	5.5	6.0	5.0	7.0
	High	0.6	5.0	1.2	0.6	5.0	0.9	10	4.5	2.0	5.5	6.0	5.0	7.0
S	Low	0.6	5.0	0.9	0.7	5.0	0.9	10	5.5	2.0	8.0	6.0	2.0	6.0
	High	0.8	5.0	1.3	0.8	5.0	1.1	10	6.0	2.0	9.0	6.5	2.0	9.0
M	Low	1.2	5.0	1.9	1.3	5.0	1.8	10	5.5	2.0	7.5	6.5	2.0	8.5
	High	1.2	5.0	2.0	1.4	5.0	1.9	10	5.5	2.0	7.5	6.5	2.0	8.5
L	Low	1.8	5.0	3.0	1.9	5.0	2.6	10	6.5	2.0	9.0	8.0	2.0	9.5
	High	1.7	5.0	2.9	2.2	5.0	3.0	10	7.0	2.0	9.0	7.0	2.0	9.0
LL	Low	5.0	5.0	8.6	5.3	5.0	7.3	10	9.1	2.0	14.9	14.0	2.0	18.5
	High	4.3	5.0	7.2	6.1	5.0	8.2	10	12.0	2.0	14.7	9.1	2.0	12.2

表 5-5 选择 5300LA 系列时

当设定 Booster option 为 **Large** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.4	5.0	0.5	0.6	5.0	0.7	10	4.0	2.0	6.0	6.0	5.0	5.0
	High	0.7	5.0	0.7	0.6	5.0	0.7	10	5.0	2.0	8.0	6.0	5.0	5.0
S	Low	0.8	5.0	1.1	0.9	5.0	1.0	10	5.0	2.0	7.0	6.0	5.0	3.2
	High	0.7	5.0	0.9	1.0	5.0	1.3	10	5.0	2.0	8.0	8.0	5.0	6.0
M	Low	1.0	5.0	1.7	0.9	5.0	1.2	10	4.0	2.0	6.0	5.0	5.0	6.0
	High	1.0	5.0	1.7	0.9	5.0	1.2	10	4.0	2.0	6.0	5.0	5.0	7.0
L	Low	1.5	5.0	3.0	1.4	5.0	1.5	10	6.0	2.0	9.0	8.0	5.0	9.0
	High	1.5	5.0	3.0	1.4	5.0	1.5	10	6.0	2.0	9.0	8.0	5.0	9.0

当设定 Booster option 为 **Small** 时

Rank	Packing	Air-IN			Air-OUT			b	Inside Air-IN			Inside Air-OUT		
		P	I	D	rP	rI	rD		P	I	D	rP	rI	rD
SS	Low	0.5	5.0	0.6	0.7	5.0	1.1	10	3.5	2.0	5.0	5.0	5.0	2.0
	High	0.6	5.0	0.8	0.7	5.0	0.9	10	4.0	2.0	6.5	4.5	5.0	4.0
S	Low	0.7	5.0	1.1	0.9	5.0	1.2	10	4.0	2.0	6.0	5.5	5.0	6.0
	High	0.7	5.0	1.0	0.9	5.0	1.1	10	4.3	2.0	6.8	5.1	5.0	5.5
M	Low	0.9	5.0	1.5	0.9	5.0	1.2	10	2.6	2.0	7.0	4.0	5.0	6.0
	High	1.0	5.0	1.7	0.9	5.0	1.4	10	4.0	2.0	7.0	5.0	5.0	7.0
L	Low	1.6	5.0	3.3	1.5	5.0	2.9	10	5.3	2.0	10.7	7.0	5.0	10.7
	High	1.5	5.0	3.0	1.4	5.0	1.5	10	6.0	2.0	9.0	8.0	5.0	9.0