

# 63000RA-W-W41气动低负载蝶阀

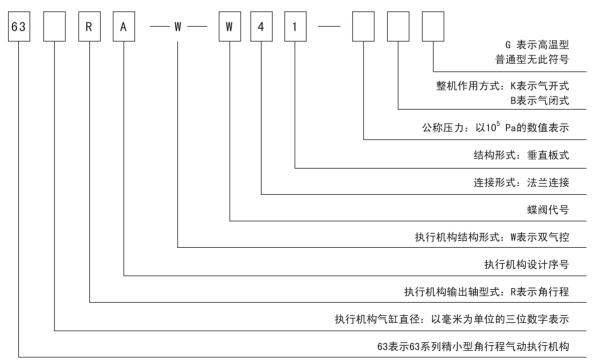
# 一、特点及用途

63000RA系列气动低负载蝶阀是由63000RA系列精小型角行程气动执行机构与低负载蝶阀组成,主要用于低压气体流量、压力的控制。本产品广泛地应用于冶金工业中铁矿、烧结、冶炼及水泥、化工、发电等行业的通风除尘环境保护等。

本产品具有以下特点:结构紧凑、合理,性能可靠,体积小,重量轻。由于采用了轴承导向结构,输出力矩小。回转启闭迅速,寿命长,且流阻小、流通能力大,固有流量特性为近似等百分比特性。可安装多种附件,即可以作为两位式开关使用也可以通过安装定位器实现连续调节。在需要电磁阀控制时,电磁阀可在气缸臂上直接安装,无须外接气管。



### 二、型号编制



(注: 当执行机构设计序号由A变为F时表示带有副气缸。)



# 三、主要技术参数

## 表1 主要技术性能

执行机构型号	63000RA-W
操作压力 MPa	0.4, 0.5
控制信号	电信号: 0~10、4~20mA(DC); 气信号: 20~100kPa
流量特性	近似等百
转角	0~90° (开关); 0~60° (调节时用)
基本误差	±2.0%(带定位器)
回差	1.5%(带定位器)
公称压力 PN	6, 10
公称通径 DN	100~1400
适用介质	低压气体、高温气体、煤气、含尘气体、烟道气等
连接方式	法兰型
配用附件	电磁阀、行程开关、定位器、节流阀、调速阀、阀位变送器、开关限 制器、手动机构、过滤器减压阀

## 表2 主要零部件材质及适用温度

名称	阀体	法兰	蝶板	阀杆	填料	后座	干轴承
材质	20	20	20	20	柔性石墨	20	ZcuZn38Mn2Pb2
材质	1Cr18Ni9	1Cr18Ni9	1Cr18Ni9	1Cr18Ni9	柔性石墨	1Cr18Ni9	ZcuZn38Mn2Pb2
适用温度 ℃		쇝	通型: −5~+200	); 高温型: +200	)~+400		

## 表3 额定Kv值

公称通径 DN	阀板开度60°时	阀板开度90°时
100	_	_
150	430	845
200	750	1500
250	1375	2550
300	1980	3900
350	2690	5500
400	3600	7400
450	4450	9100
500	5500	11500
600	8300	17000
700	11300	23900
800	14600	31900
900	19000	41000
1000	23400	49000
1200	33600	73000
1400	52300	115000



E4 最大允许压差

公称道径 DN <200℃	100	150	200	250	300	350 62.0	400	450	500	600	700	800	900	1000	1200	1400
<400℃	163.0	80.0	47 0	27.0	17.0	18.0	14 0	11.0	23.0	16.0	12.0	24.0	19.0	26.0	18. 0	13.0
调节式	116.0	34.0	14.0	7.4												
两位式	0 .69	20.0	8. 4	4.4												
调节式		113.0	46. 2	23. 1	13.3											
两位式		67.8	27.3	13.3	8.0											
调节式					26. 2	16.0	11.2	7.8								
两位式					15.7	6.6	6.6	4.7								
调节式						25. 6	16.7	11.9	7.9	4 8	3.0					
两位式						15.1	9.5	7.1	4.6	2.8	1.7					
调节式						48.0	32.0	23.0	15.5	9. 4	5.8					
两位式						29. 4	18.6	13.9	9.3	5.5	3.4					
调节式												6.9	4.9			
两位式												4.1	2.8			
调节式												12.0	8.4	0.9	3.5	1.9
两位式												7. 2	4.9	3.5	2.0	1.1
调节式														12.9	7. 4	3.7
两位式														7.7	4.4	2. 2
调节式	72.0	25.0	10.0	5.6												
两位式	43.0	15.0	0.9	3.3												
调节式		56. 1	31. 1	17.8	11.6											
两位式		46.1	23. 2	11.6	6.9											
调节式					22. 7	14.0	9.6	9 .9								
两位式					13.6	8. 4	5.7	3.8								
调节式						23.9	15.9	1.1	7.4	4.4	2.7					
两位式						15.1	9.5	7.1	4.3	2.6	1.6					
调节式						40.4	31.0	21.0	14.4	8 6	5.4					
两位式						27.9	18.6	13.0	8.5	5.1	3.2					
调节式												5.5	3.8			
两位式												3.3	2.3			
调节式												9 6	6.7	4.8	2.7	1.7
两位式												5.7	4.0	2.8	1.6	1.0
调节式														10.3	5.9	2.9
两位式														6. 1	3.5	1.8
	2000°C (400°C (	100 100 100 100 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 1116 ( 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    80.0     46.1     23.2     11.6     6.0       90.0     46.1     23.2     11.6     6.0       90.0     46.1     23.2     11.6     6.0       90.0     46.2     23.2     11.6     6.0       90.0     46.1     23.2     11.6     6.0       90.0     46.2     23.2     11.6     6.0       90.0     46.1     23.2     11.6     6.0 <td>100       150       200       250       300         500.0       285.0       194.0       99.0       57.0         163.0       80.0       47.0       27.0       17.0         116.0       34.0       14.0       7.4       69.0       57.0         116.0       34.0       14.0       7.4       4.4       69.0       50.2         118.0       46.2       23.1       13.3       8.0       60.2       56.2         43.0       15.0       6.0       3.3       15.0       6.0       3.3       15.0         56.1       31.1       17.8       11.6       6.9       13.6       13.6         46.1       23.2       11.6       6.9       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6       13.6<!--</td--><td>100       150       200       250       300       350         500.0       285.0       194.0       99.0       57.0       62.0         116.0       286.0       47.0       27.0       17.0       18.0         116.0       34.0       14.0       7.4       18.0         69.0       20.0       8.4       4.4       13.3       8.0         69.0       20.0       8.4       4.4       13.3       8.0         69.0       20.0       8.4       4.4       15.1       16.0         69.0       20.0       8.4       4.4       15.1       16.0       16.0         72.0       113.0       16.0       5.6       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0</td><td>100         150         200         250         300         350         400           500.0         285.0         194.0         99.0         57.0         62.0         42.0           163.0         80.0         47.0         27.0         17.0         18.0         14.0           116.0         34.0         14.0         7.4           14.0           69.0         20.0         8.4         4.4           14.0           69.0         20.0         8.4         4.4             14.0           113.0         46.2         23.1         13.3         8.0                                                <td>  100   150   200   250   350   400   450     500.0   285.0   194.0   99.0   57.0   62.0   42.0     163.0   80.0   47.0   27.0   17.0   18.0   14.0   11.0     116.0   34.0   14.0   7.4  </td><td>100         150         250         300         350         400         450         500         600           500.0         285.0         194.0         99.0         57.0         62.0         42.0         29.0         51.0         16           118.0         34.0         14.0         7.4         18.0         14.0         17.0         18.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0</td><td>100 150 200 250 300 350 400 450 500 600 70 500 0 250 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 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100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100</td></td></td>	100       150       200       250       300         500.0       285.0       194.0       99.0       57.0         163.0       80.0       47.0       27.0       17.0         116.0       34.0       14.0       7.4       69.0       57.0         116.0       34.0       14.0       7.4       4.4       69.0       50.2         118.0       46.2       23.1       13.3       8.0       60.2       56.2         43.0       15.0       6.0       3.3       15.0       6.0       3.3       15.0         56.1       31.1       17.8       11.6       6.9       13.6       13.6         46.1       23.2       11.6       6.9       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6       13.6       13.6         10.0       5.6       11.6       6.9       13.6       13.6       13.6 </td <td>100       150       200       250       300       350         500.0       285.0       194.0       99.0       57.0       62.0         116.0       286.0       47.0       27.0       17.0       18.0         116.0       34.0       14.0       7.4       18.0         69.0       20.0       8.4       4.4       13.3       8.0         69.0       20.0       8.4       4.4       13.3       8.0         69.0       20.0       8.4       4.4       15.1       16.0         69.0       20.0       8.4       4.4       15.1       16.0       16.0         72.0       113.0       16.0       5.6       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0</td> <td>100         150         200         250         300         350         400           500.0         285.0         194.0         99.0         57.0         62.0         42.0           163.0         80.0         47.0         27.0         17.0         18.0         14.0           116.0         34.0         14.0         7.4           14.0           69.0         20.0         8.4         4.4           14.0           69.0         20.0         8.4         4.4             14.0           113.0         46.2         23.1         13.3         8.0                                                <td>  100   150   200   250   350   400   450     500.0   285.0   194.0   99.0   57.0   62.0   42.0     163.0   80.0   47.0   27.0   17.0   18.0   14.0   11.0     116.0   34.0   14.0   7.4  </td><td>100         150         250         300         350         400         450         500         600           500.0         285.0         194.0         99.0         57.0         62.0         42.0         29.0         51.0         16           118.0         34.0         14.0         7.4         18.0         14.0         17.0         18.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0</td><td>100 150 200 250 300 350 400 450 500 600 70 500 0 250 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0</td><td>  100</td><td>100 150 250 250 300 350 400 450 500 600 700 800 900 100 100 100 100 100 250 14.0 99.0 57.0 82.0 42.0 59.0 11.0 23.0 16.0 12.0 24.0 19.0 11.0 23.0 14.0 14.0 99.0 57.0 82.0 14.0 14.0 17.4 13.3 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0</td><td>100 150 200 200 300 350 400 450 500 500 700 800 900 100 100 100 150 200 200 300 350 400 450 500 51.0 10.0 10.0 10.0 10.0 10.0 10.</td><td>  100   150   200   250   350   350   400   450   600   700   600   700   600   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100</td></td>	100       150       200       250       300       350         500.0       285.0       194.0       99.0       57.0       62.0         116.0       286.0       47.0       27.0       17.0       18.0         116.0       34.0       14.0       7.4       18.0         69.0       20.0       8.4       4.4       13.3       8.0         69.0       20.0       8.4       4.4       13.3       8.0         69.0       20.0       8.4       4.4       15.1       16.0         69.0       20.0       8.4       4.4       15.1       16.0       16.0         72.0       113.0       16.0       5.6       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0       16.0	100         150         200         250         300         350         400           500.0         285.0         194.0         99.0         57.0         62.0         42.0           163.0         80.0         47.0         27.0         17.0         18.0         14.0           116.0         34.0         14.0         7.4           14.0           69.0         20.0         8.4         4.4           14.0           69.0         20.0         8.4         4.4             14.0           113.0         46.2         23.1         13.3         8.0 <td>  100   150   200   250   350   400   450     500.0   285.0   194.0   99.0   57.0   62.0   42.0     163.0   80.0   47.0   27.0   17.0   18.0   14.0   11.0     116.0   34.0   14.0   7.4  </td> <td>100         150         250         300         350         400         450         500         600           500.0         285.0         194.0         99.0         57.0         62.0         42.0         29.0         51.0         16           118.0         34.0         14.0         7.4         18.0         14.0         17.0         18.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0</td> <td>100 150 200 250 300 350 400 450 500 600 70 500 0 250 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0</td> <td>  100</td> <td>100 150 250 250 300 350 400 450 500 600 700 800 900 100 100 100 100 100 250 14.0 99.0 57.0 82.0 42.0 59.0 11.0 23.0 16.0 12.0 24.0 19.0 11.0 23.0 14.0 14.0 99.0 57.0 82.0 14.0 14.0 17.4 13.3 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0</td> <td>100 150 200 200 300 350 400 450 500 500 700 800 900 100 100 100 150 200 200 300 350 400 450 500 51.0 10.0 10.0 10.0 10.0 10.0 10.</td> <td>  100   150   200   250   350   350   400   450   600   700   600   700   600   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100</td>	100   150   200   250   350   400   450     500.0   285.0   194.0   99.0   57.0   62.0   42.0     163.0   80.0   47.0   27.0   17.0   18.0   14.0   11.0     116.0   34.0   14.0   7.4	100         150         250         300         350         400         450         500         600           500.0         285.0         194.0         99.0         57.0         62.0         42.0         29.0         51.0         16           118.0         34.0         14.0         7.4         18.0         14.0         17.0         18.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0         16.0	100 150 200 250 300 350 400 450 500 600 70 500 0 250 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0 150 0	100	100 150 250 250 300 350 400 450 500 600 700 800 900 100 100 100 100 100 250 14.0 99.0 57.0 82.0 42.0 59.0 11.0 23.0 16.0 12.0 24.0 19.0 11.0 23.0 14.0 14.0 99.0 57.0 82.0 14.0 14.0 17.4 13.3 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0	100 150 200 200 300 350 400 450 500 500 700 800 900 100 100 100 150 200 200 300 350 400 450 500 51.0 10.0 10.0 10.0 10.0 10.0 10.	100   150   200   250   350   350   400   450   600   700   600   700   600   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100   100



### 表5 泄漏量

### 表6 气缸容量

5	密封型式	后座型
允许最	高流体温度 ℃	400
允许	DN100~DN250	0.2%以内
泄漏量	DN300~DN700	0. 15%以内
/     /	DN800∼DN1400	0.1%以内

	容	星里
型 号	A	В
63083RA-W	0.36	0. 50
63110RA-W	1.10	1. 40
63143RA-W	2. 76	3. 06
63160RA-W	2.86	3. 96
63200RA-W	5. 9	8.4
63235RA-W	10	9. 2
63280RA-W	18	16. 4
	•	

注:执行机构63280RF-W的气缸容量为63280RA-W的两倍。

气缸耗气量的计算(双气控)

 $V= (A+B) ((P+101.4) \div 98) M$ 

式中: V-耗气量

P-供给气源压力

M-动作次数/分

表7 执行机构输出扭矩

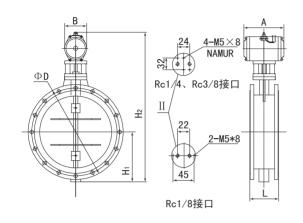
N • m

TH C	10.16		气源压力 kPa	
<u> </u>	规格	400	500	600
63083RA-W	83	56	70	84
63110RA-W	110	168	210	252
63143RA-W	143	330	412	495
63160RA-W	160	440	550	660
63200RA-W	200	855	1070	1285
63235RA-W	235	1370	1712	2050
63280RA-W	280	2370	2962	3550

注: 执行机构63280RF-W的输出扭矩为63280RA-W的两倍。



# 四、外形尺寸



型型 24 4-M5×8 NAMUR Rc1/4、Rc3/8接口 II 22 2-M5\*8 Rc1/8接口 L Rc1/8 Rc1/8

图1 63000RA-W-W41 气动低负载蝶阀

图2 63000RA-W-W41G 气动低负载蝶阀

表8 PN10 (1.0MPa) 63000RA-W-W41 (G) 气动低负载蝶阀外形尺寸

公称通径	ФВ	_	H <sub>1</sub>	ŀ	12	A	В	   执行机构	   气源接口
DN	Ψυ		111	普通型	高温型			プル1 J かしか	いがなし
100	220		110	522	578	184	91	63083RA-W	Rc1/8
150	285		143	593	639	104	91	USUOSKA-W	RC1/6
130	200		143	620	666	296	120	63110RA-W	Rc1/4
200	340	140	170	647	694	184	91	63083RA-W	Rc1/8
200	340		170	675	722	296	120	63110RA-W	Rc1/4
250	395		198	733	785	184	91	63083RA-W	Rc1/8
230	390		100	765	817	000	100	63110RA-W	
300	445	470	223	823	879	296	120		
300	443	170	223	861	917	337	160	60140DA W	
				918	974	337	160	63143RA-W	
350	505		253	936	992	380	185	63160RA-W	
				981	1037	490	225	63200RA-W	
				977	1034	337	160	63143RA-W	
400 565	565		283	996	1053	380	185	63160RA-W	Rc1/4
		190		1041	1098	490	225	63200RA-W	
			1036	1089	337	160	63143RA-W		
450	615		308	1055	1108	380	185	63160RA-W	
				1100	1153	490	225	63200RA-W	
500	670		335	1177	1227	380	185	63160RA-W	
500	070		333	1222	1272	490	225	63200RA-W	
600	780	210	390	1399	1437	380	185	63160RA-W	
000	/80	210	390	1444	1482	490	225	63200RA-W	



表9 PN6 (0.6MPa) 63000RA-W-W41 (G) 气动低负载蝶阀外形尺寸

E 753	14 4- TU TH	_		12	I				公称通径
气源技	执行机构	В	A	高温型	普通型	H <sub>1</sub>	L	ФД	DN
D 1	COOODA W	0.1	104	573	517	105		210	100
Rc1	63083RA-W	91	184	629	583	100		005	150
Rc1	63110RA-W	120	296	656	610	133		265	150
Rc1	63083RA-W	91	184	684	637	100	140	000	000
Rc1	63110RA-W	120	296	712	665	160		320	200
Rc1	63083RA-W	91	184	775	723	100		075	050
		400		807	755	188		375	250
	63110RA-W	120	296	876	820				000
		400	007	914	858	220	170	440	300
	63143RA-W	160	337	966	910				
	63160RA-W	185	380	984	928	245	190	490	350
	63200RA-W	225	490	1029	973				
	63143RA-W	160	337	1021	964				
	63160RA-W	185	380	1040	983	270		540	
Rc1	63200RA-W	225	490	1085	1028				
	63143RA-W	160	337	1079	1026				
	63160RA-W	185	380	1098	1045	298		595	
	63200RA-W	225	490	1143	1090				
	63160RA-W	185	380	1215	1165				
	63200RA-W	225	490	1260	1210	323			645
	63160RA-W	185	380	1431	1393				
	63200RA-W	225	490	1476	1438	384		755 860	700 8
	63160RA-W	185	380	1544	1509				
	63200RA-W	225	490	1589	1554	443	210		
	63235RA-W	265	622	1856	1827				
Rc3	63280RA-W	360	655	1896	1867	513		975	800
Rc1	63235RA-W	265	622	1959	1928				
				1999	1968	566		1075	900
	63280RA-W	360	655						
	63280RF-W	360	955	2110	2076	620	250	1175	1000
Rc3	63280RA-W	360	655					,	
	63280RF-W	360	955	2323	2295	733		1405	1200
	63280RA-W	360	655				25.		
	63280RF-W	360	955	2548	2530	858	300	1630	1400

法兰连接尺寸符合GB9119.6 GB9119.7的规定