








# 1/2 to 2" Siemens 599 Series

# ball

## Electronic

Actuator		Fail-in-Place				Fail-Safe			Part No.	
		3P		0-10 Vdc		2P	3P	0-10 Vdc		
2-way Valve Body									↓	
Flow Rate Cv (Kvs)	Line Size in. (mm)	APC 171A	APC 171B	APC 171C	APC 171D	APC 171E	APC 171F	APC 171G		
Close-off psi (kPa)										
2-way Normally Open**	0.4 (0.34)	1/2 (15)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10203
	0.63 (0.54)	1/2 (15)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10204
	1.6 (1.4)	1/2 (15)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10205
	2.5 (2.2)	1/2 (15)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10206
	4 (3.5)	1/2 (15)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10207
	10 (8.6)	1/2 (15)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10208*
	10 (8.6)	3/4 (20)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10209
	25 (22)	3/4 (20)	130 (869)	- -	130 (869)	- -	130 (869)	130 (869)	130 (869)	10210*
	10 (8.6)	1 (25)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10211
	25 (22)	1 (25)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10212
	16 (14)	1 (25)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10213
	63 (54)	1 (25)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10214*
	16 (14)	1-1/4 (30)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10215
	40 (35)	1-1/4 (30)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10216
	100 (86)	1-1/4 (30)	100 (689)	- -	100 (689)	- -	100 (689)	100 (689)	100 (689)	10217*
	25 (22)	1-1/2 (40)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10218
	63 (54)	1-1/2 (40)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10219*
	40 (35)	1-1/2 (40)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10220
	160 (138)	1-1/2 (40)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10221*
	40 (35)	2 (50)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10222
100 (86)	2 (50)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10223*	
63 (54)	2 (50)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10224	
250 (214)	2 (50)	- -	70 (482)	- -	70 (482)	70 (482)	70 (482)	70 (482)	10225*	

### Ordering Note

When ordered as an assembly, the OpenAir actuator is provided with 12-inch (305 mm) wires.

### Table Notes

\*Denotes a full-port valve with no flow optimizer insert.

\*\*Can easily be changed to Normally Closed in the field.

### Complete Assembly

APC + Part No.

Valve Body Only




599 + Part No.



# 1/2 to 2" Siemens 599 Series

# ball

## Electronic

Actuator		Fail-Safe			Part No.	
		2P	3P	0-10 Vdc		
						
2-way Valve Body		GMA121.1P	GMA131.1U	GMA161.1P	↓	
Flow Rate Cv (Kvs)	Line Size in. (mm)	APC 172E	APC 172F	APC 172G		
Close-off psi (kPa)						
2-way Normally Closed	0.4 (0.34)	1/2 (15)	130 (869)	130 (869)	130 (869)	----- 10203
	0.63 (0.54)	1/2 (15)	130 (869)	130 (869)	130 (869)	----- 10204
	1.6 (1.4)	1/2 (15)	130 (869)	130 (869)	130 (869)	----- 10205
	2.5 (2.2)	1/2 (15)	130 (869)	130 (869)	130 (869)	----- 10206
	4 (3.5)	1/2 (15)	130 (869)	130 (869)	130 (869)	----- 10207
	10 (8.6)	1/2 (15)	130 (869)	130 (869)	130 (869)	----- 10208*
	10 (8.6)	3/4 (20)	130 (869)	130 (869)	130 (869)	----- 10209
	25 (22)	3/4 (20)	130 (869)	130 (869)	130 (869)	----- 10210*
	10 (8.6)	1 (25)	100 (689)	100 (689)	100 (689)	----- 10211
	25 (22)	1 (25)	100 (689)	100 (689)	100 (689)	----- 10212
	16 (14)	1 (25)	100 (689)	100 (689)	100 (689)	----- 10213
	63 (54)	1 (25)	100 (689)	100 (689)	100 (689)	----- 10214*
	16 (14)	1-1/4 (30)	100 (689)	100 (689)	100 (689)	----- 10215
	40 (35)	1-1/4 (30)	100 (689)	100 (689)	100 (689)	----- 10216
	100 (86)	1-1/4 (30)	100 (689)	100 (689)	100 (689)	----- 10217*
	25 (22)	1-1/2 (40)	70 (482)	70 (482)	70 (482)	----- 10218
63 (54)	1-1/2 (40)	70 (482)	70 (482)	70 (482)	----- 10219*	
40 (35)	1-1/2 (40)	70 (482)	70 (482)	70 (482)	----- 10220	
160 (138)	1-1/2 (40)	70 (482)	70 (482)	70 (482)	----- 10221*	
40 (35)	2 (50)	70 (482)	70 (482)	70 (482)	----- 10222	
100 (86)	2 (50)	70 (482)	70 (482)	70 (482)	----- 10223*	
63 (54)	2 (50)	70 (482)	70 (482)	70 (482)	----- 10224	
250 (214)	2 (50)	70 (482)	70 (482)	70 (482)	----- 10225*	

Complete Assembly  
APC + Part No.  
Valve Body Only  
599 + Part No.

### Ordering Note






When ordered as an assembly, the OpenAir actuator is provided with 12-inch (305 mm) wires.

### Table Note

\*Denotes a full-port valve with no flow optimizer insert.

# 1/2 to 2" Siemens 599 Series

# ball

Electronic		Fail-in-Place				Fail-Safe			Part No.		
		3P		0-10 Vdc		2P	3P	0-10 Vdc			
Valve Body	Actuator								Part No.		
	Flow Rate Cv (Kvs)	Line Size in. (mm)	APC 171A	APC 171B	APC 171C	APC 171D	APC 171E	APC 171F		APC 171G	
3-way Normally Closed		Close-off psi (kPa)									
	0.4 (0.34)	1/2 (15)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10250
	0.63 (0.54)	1/2 (15)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10251
	1.0 (0.86)	1/2 (15)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10252
	2.5 (2.2)	1/2 (15)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10253
	4 (3.5)	1/2 (15)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10254
	10 (8.6)	1/2 (15)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10255*
	16 (14)	3/4 (20)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10256*
	10 (8.6)	1 (25)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10257
	16 (14)	1 (25)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10258
	25 (22)	1 (25)	50 (345)	- -	50 (345)	- -	50 (345)	50 (345)	50 (345)	50 (345)	----- 10259*
	16 (14)	1-1/4 (30)	40 (276)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	----- 10260
	40 (35)	1-1/4 (30)	40 (276)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	----- 10261*
	16 (14)	1-1/2 (40)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	40 (276)	----- 10262
	25 (22)	1-1/2 (40)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	40 (276)	----- 10263
63 (54)	1-1/2 (40)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	40 (276)	----- 10264*	
25 (22)	2 (50)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	40 (276)	----- 10265	
40 (35)	2 (50)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	40 (276)	----- 10266	
100 (86)	2 (50)	- -	40 (276)	- -	40 (276)	40 (276)	40 (276)	40 (276)	40 (276)	----- 10267*	

### Ordering Note

When ordered as an assembly, the OpenAir actuator is provided with 12-inch (305 mm) wires.

### Table Note

\*Denotes a full-port valve with no flow optimizer insert.

**Complete Assembly**  
**APC + Part No.**

**Valve Body Only**  
**599 + Part No.**