

Rotary Actuator Accessories Catalog Page

Direct Mount Actuator Accessories (Part 1 of 4)

	Code	tor Accessories (Part 1 of 4) Description	Qty	Non-Spring Return				rn	Spring Return		
	Number			M(VA)9104(6)-AGX-2NXX	M9102(4)-xGA-xS	M9106(9)-xGx-2	M(VA)9308/9310	M(VA)9316/9320/9335	M(VA)9203	M(VA)9208	M9220
Se	CBL-2000-1	20 in. wire harness, actuator/transmitter to controller	1	•							
> e	CBL-2000-2	20 in. cable, actuator/transmitter to controller, plenum rated	1	•							
VAV	CBL-2000-3	72 in. cable, actuator/transmitter To controller, plenum rated	1	•							
VAV Accessories	DPT-2015-0	Differential pressure transmitter, 0 to 1-1/2 in. W.C. (0 to 374 Pa.)	1	-							
	M9000-606	Position indicators	5				•		•		
	M9000-611	Position indicators	5								-
	M9000-154	Jackshaft coupler kit, M9108 (16) (24) (32) Series (Ø 1 in.)	1								
S	M9203-601	Standard coupler kit, M9203 Series (Ø 1/4 to 1/2 in.) (□ 1/4 to 5/16 in.)	1						-		
atc	M9203-602	Retainer for M9203 coupler	5						•		
ı Indic	M9208-601	Standard coupler kit, M9208 Series (Ø 5/16 to 5/8 in.) (□ 1/4 to 1/2 in.)	1							•	
sition	M9208-600	Large coupler kit, M9208 Series (Ø 1/2 to 3/4 in.) (□ 3/8 to 9/16 in.)	1							•	
Shaft Couplers / Position Indicators	M9220-601	Standard coupler kit M9220 Series (1/2 to 3/4 in.) ((3/8 to 1/2 in.)	1								•
əldno	M9220-600	Jackshaft coupler kit, M9220 Series (3/4 to 1-1/16 in.) (5/8 to 3/4 in.)	1								•
T C	M9220-610	10 mm square shaft adapter with retainer	1								•
hat	M9220-612	12 mm square shaft adapter with retainer	1								•
U)	M9220-614	14 mm square shaft adapter with retainer	1								•
	M9208-602	Retainer for M9208 coupler	5							•	
	M9220-602	Retainer for M9220 coupler	5								•
	M9310-600	Damper Shaft Adaptor for VA9300 actuators	1				•				
	M9000-152	Reinforcement plate for mounting to thin sheet metal	1								•
	M9000-158	Tandem mounting bracket	1								
	M9000-160	Anti-rotation bracket	1			•					
ng ets	M9000-604	Anti-rotation bracket	1				•		-	•	-
Mounting Brackets	M9300-100D	Butterfly Valve Mounting Kit for Tandem M9300 Series Non-Spring Return Electric Actuators to 4, 5 and 6 in. (DN 100, 125 & 150)	1					•			
≥ Ш	M9300-100S	Butterfly Valve Mounting Kit for a Single M9300 Series Non-Spring Return Electric Actuator to 2, 3 and 4 in. (DN 50, 80 & 100)	1					•			
	M9300-200S	Butterfly Valve Mounting Kit for a Single M9300 Series Non-Spring Return Electric Actuator to 8 in. (DN 200)	1					•			



Direct Mount Actuator Accessories (Part 2 of 4)

	Code	Description	Qty	Non-Spring Return					Spring Return		
	Number			M(VA)9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M(VA)9308/9310	M(VA)9316/9320/9335	M(VA)9203	M(VA)9208	M9220
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) for D1300 dampers Not used with VA9308, VA9320, VA9335	1			•	•		-	•	•
	DMPR-KC054	Damper blade arm for D1300 dampers	1							•	•
	DMPR-KC100	Damper blade linkage for D1300 dampers	1							•	•
	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in. length	1							•	-
	DMPR-KC254	Damper mount linkage kit for D1300 dampers	1								
	DMPR-KC260	Damper mount linkage kit for D1300 dampers	1								•
	DMPR-KC300	Ball joint for Ø 5/16 in. rod, 1/4-20 x 9/16 in. thread mount	10			•					
	M9000-150	Damper mount linkage kit for D1300 dampers	1								
	M9000-151	Remote mounting kit with crankarm and damper linkage	1				•	-			
ω,	M9000-153	Crankarm kit	1								•
ř	M9000-170	Remote mounting kit (horizontal) with crankarm	1								•
SSC	M9000-171	Remote mounting kit (vertical) with crankarm	1								•
Damper Linkages / Accessories	M9000-270	Remote mounting kit (horizontal) with crankarm and damper linkage for D1300 dampers	1								-
ages	M9000-271	Remote mounting kit (vertical) with crankarm and damper linkage for D1300 dampers	1								-
Ė	M9000-400	Jackshaft mounting kit, Ø 1/2 to 1.05 in.	1				•	-		-	-
erL	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1							•	-
E G	M9000-605	Ball joint for Ø 1/4 or 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5						-	•	-
Da	M9203-100	Remote mounting kit with crankarm	1						-		
	M9203-110	Universal mounting kit	1						-		
	M9203-115	Universal mounting kit with crankarm	1						-		
	M9203-150	Crankarm kit	1						-		
	M9203-250	Remote mounting kit with crankarm and damper linkage for D1300 dampers	1						•		
	M9208-100	Remote mounting kit with crankarm	1								
	M9208-150	Crankarm kit	1							•	
	M9208-250	Remote mounting kit with crankarm and damper linkage for D1300 dampers	1							•	
	M9220-605	Ball joint for M8x1.25 threaded rod, M8x1.25 x 16.5 mm thread mount	5								-



וטפווע	Code	Mount Actuator Accessories (Part 3 of 4) Code Description Qty Non-Spring Return						Spring Return			
	Number	Description	Qty	-	Г	g .	tota	''''	opining rectain		
	M0000 455		4	M(VA)9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M(VA)9308/9310	M(VA)9316/9320/9335	M(VA)9203	M(VA)9208	M9220
	M9000-155	Manual handle	1								
	M9000-518	Ball valve linkage for non-spring return, 2-1/2 to 6 in. VG1000 flanged valves with 11 mm square stem	1								
	M9000-519	Ball valve linkage for spring return, 2-1/2 to 6 in. VG1000 flanged valves with 11 mm square stem	1								•
	M9000-530	Linkage for 2-1/2 in. flanged iron globe valves for single actuator mounting	1					■ ¹			•
	M9000-531	Linkage for 3 in. flanged iron globe valves for single actuator mounting	1					■ ¹			•
		Linkage for 4 in. flanged iron globe valves for single actuator mounting	1					■ ¹			-
	M9000-532	Linkage for 3 in. flanged iron globe valves for tandem actuator mounting	1					■ ¹			-
		Linkage for 4 in. flanged iron globe valves for tandem actuator mounting	1					■ ¹			•
	M9000-533	Linkage for 5 in. flanged iron globe valves for single actuator mounting	1					1			-
sebi	M9000-534	Linkage for 5 in. flanged iron globe valves for tandem actuator mounting	1					■ ¹			•
Valve Linkages	M9000-535	Linkage for 6 in. flanged iron globe valves for single actuator mounting	1					■ 1			
Valve	M9000-536	Linkage for 6 in. flanged iron globe valves for tandem actuator mounting	1					■ 1			
	M9000-537	Linkage for 4 in. flanged iron globe valves for tandem actuator mounting	1					■ 1			
	M9000-539	Adapter for M9000-53x linkages						•			
	M9000-551	Ball valve linkage, 1/2 to 1 in. hot/chilled water applications	1		-						
	M9000-560	Ball valve linkage, 1/2 to 2 in. hot/chilled water applications	1						-	•	
	M9000-561	Thermal barrier	1		-		-		-	•	
	M9000-607	Position indicators, VA9203 and VA9208 Series	5								
	M9000-610	Tandem actuator adapter kit for VG2000 Series iron globe valve linkages	1								-
	M9310-500	Ball valve linkage kit for M9310 on VG1000 Series valves	1				-				
	M9000-700	Universal Ball Valve Linkage Kit	1	•	-		-				
	M9320-500	Ball valve linkage kit for converting M9320/M9335 to VA9320/ VA9335	1					•			
	M9320-600	Standard coupler kit for M93116, M9320, M9335 Series Electric Damper Actuators, round 3/4 in. to 1-1/16in. (19mm to 27mm) and square 5/8 in. to 3/4 in. (16mm to 19mm)	1								
	M9000-310	Weather shield NEMA 3R, control dampers and VG2000 Series iron globe valve linkages, non-spring return	1			•					
	M9000-320	Weather shield NEMA 3R, control dampers and VG2000 Series iron globe valve linkages, spring return	1								-
ş	M9000-322	Weather shield, NEMA 4X (IP66), control dampers	1	•	-		•		•	•	
je	M9000-323	Weather shield, NEMA 4X (IP66), control dampers	1					•			
Weather Shields	M9000-330	Weather shield NEMA 3R, VG1000 Series ball valves with M9000-518 linkage, non-spring return	1								
Weat	M9000-340	Weather shield NEMA 3R, VG1000 Series ball valves with M9000-517 or M9000-519 linkage, spring return	1								•
	M9000-342	Weather shield, NEMA 4X (IP66), 1/2 to 2 in. VG1000 Series ball valves	1	•	•		-		•	-	
	M9000-343	Weather shield, NEMA 4X (IP66), 2-1/2" to 6 in. VG1000 Series ball valves	1					•			

^{1.} Adapter kit M9000-539 is required.



Direct Mount Actuator Accessories (Part 4 of 4)

Direct	Code	tor Accessories (Part 4 of 4) Description	Qty	Non-Spring Return S				Snrii	Spring Return		
	Number	Description	αιy		-opi	ing r	\eta		Sprii	ig Ne	tarri
				M(VA)9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M(VA)9308/9310	M(VA)9316/9320/9335	M(VA)9203	M(VA)9208	M9220
+	M9300-1	External auxiliary switch kit; one single-pole, double throw (SPDT)	1				-				
Switch Kit	M9300-2	Auxiliary Switch Kit 2x SPDT	1				•	•			
±	M9300-1K	Potentiometer Feedback Kit 1k Ohm	1				-	•			
X X	M9300-2K	Potentiometer Feedback Kit 2k Ohm	1				-	•			
pac	M9300-10K	Potentiometer Feedback Kit 10k Ohm	1				-	•			
Feedback Kit	M9300-140	Potentiometer Feedback Kit 140 Ohm	1				•	•			
SC	M9203-603	Adjustable stop kit	1						•		
ğ	M9208-603	Adjustable stop kit	1							•	
Adj. Stops	M9220-603	Adjustable stop kit	1								•
ဟ	M9000-105	Pluggable 3-terminal block	1			•					
g orie	M9000-106	Pluggable 4-terminal block	1			•					
Wiring	M9104-100	Conduit adapter for 3/8 in. flexible metal conduit	10		-						
Wiring Accessories	M9200-100	Threaded conduit adapters for 1/2 in. electrician's fittings	5								-
	M9300-100	Threaded conduit adapters for 1/2 in. electrician's fittings	5				-				
Tools	M9220-604	Manual crank, long, crank radius 2-13/16 in. (75 mm)	5							•	-
P	M9208-605	Manual crank, short, crank radius 1-13/16 in. (46.5 mm)	5							•	
	M9000-103	Transformer, 14 VA Class 2, 120 to 24 VAC 60 Hz	1						•		
	M9000-104	Transformer, 14 VA Class 2, 230 to 24 VAC 60 Hz	1				-		-		
	Y63T22-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1	•	•	•	•		•	•	•
	Y63T31-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot/box mounting	1	•	•	•	-		-	•	•
	Y64T15-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1	•	-	•	-		-	•	•
aneous	Y64T21-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1	•	•	•	-		-	•	•
	Y64T22-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1	•	-	•	-		•	•	•
Miscel	Y65A13-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, foot mounting		•	-	•	•		•	•	-
-	Y65A21-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, box mounting		•	-	•	•		•		-
	Y65G13-0	Transformer, 40 VA Class 2, 24 to 24 VAC 60 Hz isolation, foot mounting		•	-	•	-		-	•	•
	Y65S13-0	Transformer, 40 VA Class 2, 208/240 to 24 VAC 60 Hz, foot mounting		•	-	•	-		-	•	•
	Y66T12-0	Transformer, 75 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1	•	•	•	-		•	•	•
	Y66T13-0	Transformer, 75 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1	-	-	•	-		-		•



M9104-AGx-2Nxx and M9106-AGx-2Nxx Series Actuator Accessories



M9106-AGA-2N



M9106-AGS-2N

M9104-AGx-2Nxx and M9106-AGx-2Nxx Series Actuator Accessories

W3104-AGX-2NXX and W3100-AGX-2NX	Code Number	Description	Qty
Variable Air Volume (VAV) System Accesso	ories	_ !·	
	CBL-2000-1	20 in. (0.5 m) plenum rated wiring harness	1
(CBL-2000-1.tif)	CBL-2000-2	20 in. (0.5 m) plenum rated wiring harness	1
(CBL-2000-2 th)			
11	CBL-2000-3	72 in. (1.8 m) plenum rated wiring harness	1
(CBL-2000-3.tif)			
(DPT-2015-0.M)	DPT-2015-0	0 to 1.5 in W.C. (0 to 375 Pa) differential pressure transmitter	1



Rotary Actuator Accessories Catalog Page (Continued) M9102-xGA-xS and M(VA)9104-xGA-xS Series Actuator Accessories







M9102/9104-xGA-3S

M9102-xGA-xS and M(VA)9104-xGA-xS Series Actuator Accessories

	Code Number	Description	Qty
Valve Linkages			
1,31,31 Presid Transing Stores (M9000-550, 101 - Cdr) from 34-436-1816	M9000-551	VG1000 ball valve linkage (for use with M9104 Series actuators only)	1
	M9000-561	Thermal barrier for M9000-560 and M9000-551 ball valve linkages. Permits use of M(VA)9xxx actuators on VG1000 Series ball valves with low-pressure steam	1
(M9000_561.jpg)	M9000-700	Universal Ball Valve Linkage Kit	
Weather Shields			
	M9000-342	Weather shield NEMA4x (IP66), 1/2 to 2 in. for VG1000 Series ball	1
(M9000_341,jpg)		valves	
Wiring Accessories	<u> </u>		
	M9104-100	3/8 in. (10 mm) flexible metal conduit adapter kit (for use with M9102-xxx-2S or M9104-xxx-2S actuators with integrated wiring harness only)	10
(M9104-100.tif)			1

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls shall not be liable for damages resulting from misapplication or misuse of its products. © 2019 Johnson Controls www.johnsoncontrols.com



M9106-xGx-2 and M9109-xGx-2 Series Actuator Accessories



M9106-GGA-2#0

M9106-xGx-2 and M9109-xGx-2 Series Actuator Accessories

	Code Number	Description ¹	Qty
Mounting Brackets		· ·	+
	M9000-160	Anti-rotation bracket for M9106(9) and M9108(16)(24)(32) Series actuators	1
M9000-160.89 Damper Linkages / Accessories			
(DMPR-KC003.tf)	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
Weather Shields			
(M9000-310.8I)	M9000-310	NEMA 3R weather shield for control dampers	1
Wiring Accessories	•	·	
	M9000-105	Pluggable 3-terminal block	1
M9000-105.tif)	M0000 400	Discorble 4 terminal black	ļ
(M9000-106.ii)	M9000-106	Pluggable 4-terminal block	1

^{1.} Ø means round shaft size (diameter); □ means square shaft size (each side)



M9108, M9116, M9124, and M9132 Series Actuator Accessories



M9108-AGA-2.tif)

M9108, M9116, M9124, and M9132 Series Actuator Accessories (Part 1 of 4)

	Code Number	Description ¹	Qty
Shaft Couplers / Position Indicators		·	
(M9000-154.tr)	M9000-154	Jackshaft coupler kit for M9108 (16) (24) (32) Series actuators, (Ø 1 in.)	1
Mounting Brackets			
Mounting Brackets	M9000-152	Reinforcing plate for mounting to thin sheet metal	14
(M9000-152.8f)	M3000-132	Remoterny plate for mounting to thin sheet metal	
M9000-152.tr)	M9000-158	Tandem mounting bracket	1
(M9000-158.tt)			
M9000-160.llf)	M9000-160	Anti-rotation bracket	1
Damper Linkages / Accessories			<u> </u>
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
(DMPR-KC003.tif)			
(DMPR-KC054 III)	DMPR-KC054	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1



M9108, M9116, M9124, and M9132 Series Actuator Accessories (Part 2 of 4)

	Code Number	Description ¹	Qty
(DMPR-KC100.89)	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1
(DMPR-KC102 III)	DMPR-KC254	Damper mount linkage kit (for use with D1300 dampers only)	1
(DMPR-KC300)	DMPR-KC300	Ball joint for Ø 5/16 in. rod, 1/4-20 x 9/16 in. thread mount	10
(M9000-150.BI)	M9000-150	Damper mounting kit for remote, inside-duct mounting an M9108 (16) (24) Series actuator to a three-blade or larger damper	1
(trom LIT-190167) (M9000-151.II)	M9000-151	Remote mounting kit, with crankarm and damper linkage for M9108 (16) (24) Series actuators Use the M9000-151 linkage only on three-blade or larger dampers (not for use with M9132 Series actuators or tandem applications)	1
(M9000-153.II)	M9000-153	Crankarm kit (not for use with M9132 Series actuators or tandem applications)	1
	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
(M9000_400.jog)	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1



M9108, M9116, M9124, and M9132 Series Actuator Accessories (Part 3 of 4)

	Code Number	Description ¹	Qty
Valve Linkages	l .		
	M9000-155	Manual handle	1
(M9000-155.tif)			
	M9000-530	VG2000 linkage kit for single M9116 (24) Series electric actuator and Johnson Controls® 2-1/2 in. cast iron globe valves with 3/8 in. stems	1
	M9000-531	VG2000 linkage kit for a single M9116 (24) Series electric actuator and Johnson Controls 3 to 4 in. cast iron globe valves with 3/8 in. stems	1
	M9000-533	VG2000 linkage kit for a single M9124 Series electric actuator and Johnson Controls 5 in. cast iron globe valves with 1/2 in. stems	1
	M9000-535	VG2000 linkage kit for a single M9124 Series electric actuator and Johnson Controls 6 in. cast iron globe valves with 1/2 in. stems	1
(M9000-531.tif)	M0000 500	VOCCOCO links and lith for to reduce MO404 Continue also this not contain and	4
\$ T #	M9000-532	VG2000 linkage kit for tandem M9124 Series electric actuators and Johnson Controls 3 to 4 in. cast iron globe valves with 3/8 in. stems	1
	M9000-534	VG2000 linkage kit for tandem M9124 Series electric actuators and Johnson Controls 5 in. cast iron globe valves with 1/2 in. stems	1
	M9000-536	VG2000 linkage kit for tandem M9124 Series electric actuators and Johnson Controls 6 in. cast iron globe valves with 1/2 in. stems	1
	M9000-537	VG2000 linkage kit for tandem M9124 Series electric actuators and Johnson Controls 3 to 4 in. cast iron globe valves with 1/2 in. stems	1
(M9000-534.tif)			
09/	M9000-610	Tandem actuator adapter kit for VG2000 Series iron globe valve linkages (not for use with the M9000-530 linkage)	1
(M9000-610.tif)			



M9108, M9116, M9124, and M9132 Series Actuator Accessories (Part 4 of 4)

	Code Number	Description ¹	Qty
Weather Shields			-
	M9000-310	NEMA 3R weather shield for control dampers or M9000-53x linkage kits on VG2000 Series cast iron flanged globe valves	1
(M9000-310.II)	M9000-330	NEMA 3R weather shield for VG1000 Series non-spring-return ball valves with M9000-518 linkage	1
(M9000-330.th)			
Wiring Accessories			
(M9000-105.III) Miscellaneous (Unique to M9108[16][24][32]	M9000-105	Pluggable 3-terminal block	
Miscenarieous (Offique to Mis 100[10][24][32]	M9000-103	Transformer, Class 2, 120/24 VAC	11
60	183000-103	Hansionner, Olass 2, 120/27 VAO	
(M9000-103.tif)	M9000-104	Transformer, Class 2, 230/24 VAC	1
(M9000-104.th)	1813000-10 4	Transionner, Class 2, 230/24 VAC	

^{1.} Ø means round shaft size (diameter); □ means square shaft size (each side)



M(VA)9308 M(VA)9310 Series Actuator Accessories





Accessories (Order Separately) (Part 1 of 4)

	Code Number	Description	Qty
Damper Linkages / Accessories	1		-1
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
(M9000_400, jpg)	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
Weather Shields			
	M9000-322	Weather shield NEMA 4x (IP66), for M9300 on dampers	1
(M9000_321,jpg)	M9000-342	Weather shield NEMA4x (IP66), 1/2 to 2 in. for VA9300 on VG1000 Series ball valves	1



Accessories (Order Separately) (Part 2 of 4)

	Code Number	Description	Qty
Valve Linkages			,
	M9000-561	Thermal barrier	1
(M9000_561.jpg)			
	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.jpg)			
Mounting Brackets	M9000-604	Anti-rotation bracket	1
(M9000_604.[pg)		This realism statice	
Shaft Couplers / Position Indicators / Switch			
0000	M9000-606	Position indicators, M9203, M9208, and M9300 Series	1
M8500-2 60-	M9300-2	Auxiliary Switch Kit	1
	M9300-100	Threaded Conduit Adapters for 1/2 in. electrician's fittings	5



Accessories (Order Separately) (Part 3 of 4)

	Code Number	Description	Qty
M9300-1 C C C C C C C C C C C C C C C C C C C	M9300-1	External auxiliary switch kit; one single-pole, double throw (SPDT)	1
M5000-2K	M9300-140	Feedback Potentiometer 140k ohms	1
	M9000-151	Remote mounting kit, with crank arm and damper linkage for M9108 (16) (24) Series Actuators	1



Accessories (Order Separately) (Part 4 of 4)

	Code Number	Description	Qty
M9300-2K 0	M9300-1K	Feedback Potentiometer 1k ohms	1
M9300.2K	M9300-2K	Feedback Potentiometer 2k ohms	1
M9300-2K	M9300-10K	Feedback Potentiometer 10k ohms	1
	M9310-500	Replacement VA9308/9310 valve linkage kit	1
	M9310-600	Replacement M9308/9310 gripper assembly	1



M(VA)9316, M(VA)9320 and M(VA)9335 Series Actuator Accessories





Accessories (Order Separately) (Part 1 of 4)

	Code Number	Description	Qty
Damper Linkages / Accessories			-1
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
M9000_400,pg)	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
Weather Shields			
	M9000-323	Weather shield NEMA 4x (IP66), for M9300 on dampers	1
(M9000_321.jpg)			
	M9000-343	Weather shield NEMA4x (IP66), 1/2 to 2 in. for M9300 on VG1000 Series ball valves	1
order that			



Accessories (Order Separately) (Part 2 of 4)

	Code Number	Description	Qty
	M9000-539	Adapter for M9000-53x linkages	1
(M9000_561.jpg)			
Mounting Brackets			
	M9000-604	Anti-rotation bracket	1
22			
(M9000_604.jpg)			
	M9300-100D	Butterfly Valve Mounting Kit for Tandem M9300 Series Non-Spring Return Electric Actuators to 4, 5 and 6 in. (DN 100, 125 & 150)	1
	M9300-100S	Butterfly Valve Mounting Kit for a Single M9300 Series Non-Spring	1
		Return Electric Actuator to 2, 3 and 4 in. (DN 50, 80 & 100)	
S. S	M9300-200S	Butterfly Valve Mounting Kit for a Single M9300 Series Non-Spring Return Electric Actuator to 8 in. (DN 200)	1
Shaft Couplers / Position Indicators/ Switch	Kits		
	M9000-606	Position indicators, M9203, M9208, and M9300 Series	1
0000			
	M9300-2	Auxiliary Switch Kit	1
M9300-2 (C.)			



M(VA)9316, M(VA)9320 and M(VA)9335 Series Actuator Accessories

Accessories (Order Separately) (Part 3 of 4)

	Code Number	Description	Qty
	M9300-100	Threaded Conduit Adapters for 1/2 in. electrician's fittings	5
M900274 & CC	M9300-140	Feedback Potentiometer 140k ohms	1
	M9000-151	Remote mounting kit, with crank arm and damper linkage for M9108 (16) (24) Series Actuators	1
Mesoos & S	M9300-1	External auxiliary switch kit; one single-pole, double throw (SPDT)	1



Accessories (Order Separately) (Part 4 of 4)

	Code Number	Description	Qty
MISSOS ACC	M9300-1K	Feedback Potentiometer 1k ohms	1
O AC	M9300-2K	Feedback Potentiometer 2k ohms	1
O AT	M9300-10K	Feedback Potentiometer 10k ohms	1
	M9320-500	Replacement VA9320/9335 valve linkage kit	1
	M9320-600	Replacement M9320/9335 gripper assembly	1





	Code Number	Description ¹	Qty
Shaft Couplers / Position Indicators		•	
	M9000-606	Position indicators, M9203 and M9208 Series	5
0,0,0			
00			
19000_606.jpg)			
	M9203-601	Standard coupler kit, M9203 Series	1
		(Ø 1/4 to 1/2 in.) (□ 1.4 to 5/16 in.)	
<i>></i> ~ © ©			
M9203_601.jpg)			
	M9203-602	Retainer for M9203 coupler	5
D			
75, 70			
~~~~~			
•			
19203_602.jpg) Tounting Brackets			
lounting Druckets	M9000-604	Anti-rotation bracket	1
			["
\$ 100 mm			
22			
272			
//////////////////////////////////////			
ивооо_оо4.jpg)	1		1



M(VA)9203 Series Actuator Accessories (Part 2 of 4)

	Code Number	Description ¹	Qty
Weather Shields			
	M9000-322	Weather shield NEMA 4x (IP66), control dampers	1
9,55			
	M9000-342	Weather shield NEMA 4x (IP66), 1/2 to 2 in. VG1000 Series ball valves	1
(M9000_341,pg)  Damper Linkages / Accessories			
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
(DMPR-KC003.lif)	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1
(DMPR-KC054.tif)	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
(DMPR-KC100.tlf)	DMPR-KC102	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
(DMPR-KC102.tif)	M9203-100	Remote mounting kit with crankarm	1
(M9203_100.jpg)	O and a Normalia and		24-
	Code Number	Description ¹	Qty



#### M(VA)9208 Series Actuator Accessories

M(VA)9203 Series Actuator Accessories (Part 3 of 4)

M(VA)9203 Series Actuator Accessories	(Part 3 of 4)	Total	
	M9203-110	Universal mounting kit	1
TT &			
(M9203_110.jpg)			
	M9203-115	Universal mounting kit with crankarm	1
O E Same			
26 40			
(M9203_115.jpg)			
(mozo r v, pg)	M9203-150	Crankarm kit	1
	1110200 100	- Carrier III	[
(M9203_150.jpg)	M9203-250	Remote mounting kit with crankarm and damper linkage for	1
	W3203-230	D1300 dampers	'
		b rood dampore	
1 1			
and a second			
375 374			
** * ***			
·			
(M9203_250.jpg	140000 005	D. II	
	M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5
		mount	
通道 10			
83			
(M9000_605.jpg			
Adjustable Stops			
	M9203-603	Adjustable stop kit	1
(M9203_603.jpg)	0 - 1 - 1		01
	Code Number	Description ¹	Qty
Valve Linkages			



M(VA)9203 Series Actuator Accessories (Part 4 of 4)

	(Part 4 of 4) M9000-607	Position indicators, VA9203 and VA9208 Series	5
	M9000-607	Position indicators, vageus and vageus series	٦
(M9000_607.jpg)			
	M9000-560	Ball valve linkage for spring return, 1/2 to 2 in. hot and chilled water applications	1
		1/2 to 2 in. hot and chilled water applications	
<b>10</b>			
of Total			
(M9000-560.jpg)			
(mauou-suu.jpg)	M9000-561	Thermal barrier	1
(M9000_561.jpg			
(M9000_561.jpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.lpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.lpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.jpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.jpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.jpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.jpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561,jpg	M9000-700	Universal Ball Valve Linkage Kit	1
(M9000_561.jpg	M9000-700	Universal Ball Valve Linkage Kit	1

^{1.} Ø means round shaft size (diameter); □ means square shaft size (each side)





M(VA)9208 Series Actuator Accessorie	Code Number	Description ¹	Qty
District Control of Control	Couc Humber	Description	۳.,
Shaft Couplers / Position Indicators	T		1.
(M9000-600.th)	M9208-600	Large coupler kit for use with M9208 Series actuators (Ø 1/2 to 3/4 in. and $\square$ 3/8 to 9/16 in.)	1
M9000-601.iii)	M9208-601	Standard coupler kit for use with M9208 Series actuators (Ø 5/16 to 5/8 in. and □ 1/4 to 1/2 in.)	1
M9208-602.tif)	M9208-602	Retainer for M9208 coupler	5
Mounting Brackets			
	M9000-604	Anti-rotation bracket	1
(M9000-604.III)			
Tools			
(M9220-804.III)	M9220-604	Long manual crank, 2-13/16 in. (72 mm) crank radius	5
	M9208-605	Short manual crank, 1-13/16 in. (47 mm) crank radius	5
(M9208-605.tif)	M9000-322	Weather shield NEMA 4X(IP66), control dampers	1
(M9000_321.jpg)	Code Number	Paradagan1	Otv
	Code Number	Description ¹	Qty



#### **M9220 Series Actuator Accessories**

M(VA)9208 Series Actuator Accessories (Part 2 of 3)

M(VA)9208 Series Actuator Accessories (Part 2 of 3) Weather Shields				
weather Shields	M0000 242	Mosther shield NEMA AV/IDGG)	14	
	M9000-342	Weather shield NEMA 4X(IP66), 1/2 to 2 in. VG1000 Series ball valves		
(M9000_341.jpg)				
Damper Linkages / Accessories	DMDD 1/0000	Internal Control (CAIC TO)	14	
(DMPR-KC003.1if)	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1	
(DMPR-KC054-tit)	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1	
(DMPR-KC100.ltf)	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1	
(DMPR-KC100.til)	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1	
	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.		
(M9000_402,jpg)	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit		
(M9000_605.jpg	M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5	
(M9208-100.th)	M9208-100	Remote mounting kit with crankarm	1	



M(VA)9208 Series Actuator Accessories (Part 3 of 3)

M(VA)9208 Series Actuator Accessor	Code Number	Description ¹	Qty
Damper Linkages / Accessories		· ·	
	M9208-150	Crankarm kit	1
850			
- /. · ·			
M9208-150.tif)			
	M9208-250	Remote mounting kit with crankarm and damper linkage	1
		(for use with D1300 dampers only)	
11000			
1 11/1/2			
M9208-250.tif)			
Adjustable Stops	•		
	M9208-603	Adjustable stop kit	1
Time .			
140000 000 410			
M9208-603.tif) Wiring Accessories			
	M9200-100	Threaded conduit adapters for 1/2 in. electrician's fittings	11
	III3200-100	Threaded conduit adapters for 1/2 in. electrolars fittings	Ι'
0.80			
8 4 2 5			
177			
M9200_100.jpg)			
Valve Linkages			
	M9000-607	Position indicators, VA9203 and VA9208 Series	5
M9000_607.jpg)			
	M9000-560	Ball valve linkage for spring return,	1
		1/2 to 2 in. hot and chilled water applications	
J. Tabel			
~			
M9000-560.jpg)	M9000-561	Thormal harrier	1
	M9000-567	Thermal barrier	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
M9000_561.jpg			
	M9000-700	Universal Ball Valve Linkage Kit ²	1
	III.0000-100	Shirorda Dan varve Linkage Kit	Ι'
111000			
M9000_561.jpg			
-0000_00pg			

^{1.} Ø means round shaft size (diameter); □ means square shaft size (each side)

^{2.} For VA9208 Series Actuators: Use field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24.





#### M9220 Series Actuator Accessories (Part 1 of 4)

	Code Number	Description ¹	Qty
Shaft Couplers / Position Indicator	'S	·	
Ø	M9000-611	Position indicators for use with M9220 Series actuators	5
(M9000-611.tif)			
<b>6</b> 2	M9220-600	Jackshaft coupler kit for use with M9220 Series actuators Ø 3/4 in. to 1-1/16 in. (19 to 27 mm) round shafts; or 5/8 and 3/4 in. (16, 18 and 19 mm) square shafts	1
(M9220-600A.tif)			
<b>6</b> 9	M9220-601	Standard coupler kit for use with M9220 Series actuators Ø 1/2 to 3/4 in. (12 to 19 mm) round shafts; or 3/8 and 1/2 in. (10, 12 and 14 mm) square shafts	1
M9220-601.tif)	M9220-602	Retainer for M9220 coupler	5
(M9220-602.tif)			
	M9220-610	10 mm square shaft adapter with retainer	1
(M9220-602.tif)	M9220-612	12 mm square shaft adapter with retainer	1
M9220-610.tif)	M9220-614	14 mm square shaft adapter with retainer	1
Mounting Brackets			
	M9000-152	Reinforcing plate for mounting to thin sheet metal	1
(M9000-152.tif)			



M9220 Series Actuator Accessories (Part 2 of 4)

M9220 Series Actuator Accessories (Part 2 of 4)					
	M9000-158	Tandem mounting bracket	1		
(M9000-158.tif)					
	Code Number	Description ¹	Qty		
	M9000-604	Anti -rotation bracket	1		
(M9000-604.th)					
Damper Linkages / Accessories			1		
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.)	1		
		(for use with D1300 dampers only)			
(DMPR-KC003.tif)	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1		
CINED KOSSAMI	DINF N-NOUS4	Damper blade ann (for use with 5 1500 dampers only)			
(DMPR-KC054.tif)	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1		
(DMPR-KC100.UI)					
[Jan 11 To To Cally	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1		
(DMPR-KC102.llf)					
	DMPR-KC260	Damper mount linkage kit (for use with D1300 dampers only)	1		
(DMPR-KC260.tif)	M9000-153	Crankarm kit	1		
(M9000-153.tif)	IM9000-193	(not for use with M9132 series actuators or tandem applications)			
	M9000-170	Remote mounting kit (horizontal) with crankarm and ball joint	1		
(M9000-170.tif)					
(M9000-171.lif)	M9000-171	Remote mounting kit (vertical) with crankarm and ball joint	1		



		M9000-270	Remote mounting kit (horizontal) with crankarm and damper	1
			linkage (for use with D1300 dampers only)	
	8			
(M-9000-270.tif)	The same of			
(		Code Number	Description ¹	Qty
		M9000-271	Remote mounting kit (vertical) with crankarm and damper linkage	1
			(for use with D1300 dampers only)	
	55 572 222			
	3 4 600			
	00 1000			
(M9000-271.tif)	-	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
(M9000_400.jpg)				
(M9000_400.Jpg)		M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1
	0 .			
	0 0			
	11-0			
	0			
	* 4**			
	• •			
(M9000_402.jpg)				
		M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5
			S. To 2 1 X 05/0 T III. Ullodd Moulk	
(M9000_605.jpg)	9.0			
(		M9220-605	Ball joint for M8x1.25 threaded rod, M8x1.25 x 16.5 mm thread	5
			mount	
	A Comment			
	And And			
(M9220-605.tif)	A215			
Valve Lini	kages			l
		M9000-519	Ball valve linkage for spring return, 2-1/2 to 6 in. VG1000 flanged	1
	î î		valves with 11 mm square stem	
l		1		
	1			
	111/4			
(M9000-518.tif)	17//	M9000-530	VG2000 linkage kit for M9220 Series electric actuator and	1
(M9000-518.tif)		M9000-530	VG2000 linkage kit for M9220 Series electric actuator and Johnson Controls 2-1/2 in. cast iron globe valves with	1
(M9000-518.tif)			Johnson Controls 2-1/2 in. cast iron globe valves with 3/8 in. stems	
(M9000-518.tif)		M9000-530 M9000-531	Johnson Controls 2-1/2 in. cast iron globe valves with 3/8 in. stems  VG2000 linkage kit for a single M9220 Series electric actuator and Johnson Controls 3 in. and 4 in. cast iron globe valves with 3/8 in.	
(M9000-518.UI)	1111	M9000-531	Johnson Controls 2-1/2 in. cast iron globe valves with 3/8 in. stems  VG2000 linkage kit for a single M9220 Series electric actuator and Johnson Controls 3 in. and 4 in. cast iron globe valves with 3/8 in. stems	1
(M9000-518.tif)			Johnson Controls 2-1/2 in. cast iron globe valves with 3/8 in. stems  VG2000 linkage kit for a single M9220 Series electric actuator and Johnson Controls 3 in. and 4 in. cast iron globe valves with 3/8 in. stems  VG2000 linkage kit for a single M9220 Series electric actuator and	1
(M9000-518.tif)		M9000-531	Johnson Controls 2-1/2 in. cast iron globe valves with 3/8 in. stems  VG2000 linkage kit for a single M9220 Series electric actuator and Johnson Controls 3 in. and 4 in. cast iron globe valves with 3/8 in. stems	1



M9220 Series Actuator Accessories (Part 4 of 4)

M9220 Series Actuator Accessories (Part	Code Number	Description ¹	Qty
	M9000-532	VG2000 linkage kit for tandem M9220 Series electric actuators and	1
		Johnson Controls 3 in. and 4 in. cast iron globe valves with 3/8 in. stems	
	M9000-534	VG2000 linkage kit for tandem M9220 Series electric actuators and Johnson Controls 5 in. cast iron globe valves with 1/2 in. stems	1
	M9000-536	Johnson Controls 6 in. cast iron globe valves with 1/2 in. stems	1
(M9000-535.III)	M9000-537	VG2000 linkage kit for tandem M9220 Series electric actuators and Johnson Controls 3 in. and 4 in. cast iron globe valves with 1/2 in. stems	1
(M9000-535.tif)	M9000-610	Tandem actuator adapter kit for VG2000 Series iron globe valve	1
Sun, o		linkages (not for use with the M9000-530 linkage)	
(M9000-610.iif) Weather Shields			
	M9000-320	NEMA 3R weather shield for control dampers or M9000-53x Series	1
		linkage kits on VG2000 Series cast iron flanged globe valves	
(M9000-320.tif)		NEMA E	
(M9000-340.B)	M9000-340	NEMA 5 weather shield for VG1000 Series ball valves with M9000-517 or M9000-519 linkage, spring return	1
Adjustable Stops			
(M9220-603.if)	M9220-603	Adjustable stop kit	1
Wiring Accessories			
200	M9200-100	Threaded conduit adapters for 1/2 in. electrician's fittings	
(M9200_100.jpg) <b>Tools</b>			
TOUIS	M9220-604	Manual crank	5
(M9220-604.8f)	IN322U-0U4	IMATIGAL CIALIK	J
,,			

^{1.} Ø means round shaft size (diameter); □ means square shaft size (each side)



#### **Miscellaneous Accessories**

Miscellaneous Accessories	Code Number	Description	Qty
Transformers	<u> </u>		
(Y63T22.tif)	Y63T22-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
(Y63731.tif)	Y63T31-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot/box mounting	1
(Y64T15.B)	Y64T15-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1
(Y64T21.89)	Y64T21-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
(Y64T22.tif)	Y64T22-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
(Y65A13.UI)	Y65A13-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, foot mounting	1
(Y65A21.tif)	Y65A21-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, box mounting	1
(Y65G13.th)	Y65G13-0	Transformer, 40 VA Class 2, 24 to 24 VAC 60 Hz isolation, foot mounting	1
(Y65513.tif)	Y65S13-0	Transformer, 40 VA Class 2, 208/240 to 24 VAC 60 Hz, foot mounting	1
(Y65712.th)	Y66T12-0	Transformer, 75 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1
(Y66T13.lif)	Y66T13-0	Transformer, 75 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1