

Direct Mount Actuator Accessories

	Code	ator Accessories (Part 1 of 3) Description ¹	Qty	Nor	า-Spเ	ring	Ret	ırn			Sprin			
	Number			VAV	Ger	nera	l Pu	rpos	e		Gene	ral Pur	ose	Safety
				M9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M9108	M9116	M9124	M9132	M9203	M9208	M9220	S9208
S	CBL-2000-1	20 in. wire harness, actuator/transmitter to controller	1	-										
/ orie	CBL-2000-2	20 in. cable, actuator/transmitter to controller, plenum rated	1	•										
VAV esso	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, M9203 and M9208 Series	5								-			
	M9000-611	Position indicators, M9220 Series	5											
	M9000-154	Jackshaft coupler kit, M9108 (16) (24) (32) Series (Ø 1 in.)	1				•	•	•	•				
g	M9203-601	Standard coupler kit, M9203 Series (Ø 1/4 to 1/2 in.) (□ 1/4 to 5/16 in.)	1								•			
ator	M9203-602	Retainer for M9203 coupler	5								•			
Shaft Couplers / Position Indicators	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									•		
s / Po	M9220-601	Standard coupler kit M9220 Series (1/2 to 3/4 in.) (□ 3/8 to 1/2 in.)	1										•	
upler	M9220-600	Jackshaft coupler kit, M9220 Series (3/4 to 1-1/16 in.) (5/8 to 3/4 in.)	1										•	
ပိ	S9208-608	8 mm square shaft adapter	5											-
haft	S9208-610	10 mm square shaft adapter	5											-
S	M9220-610	10 mm square shaft adapter with retainer	1										•	
	M9220-612	12 mm square shaft adapter with retainer	1										•	
	M9220-614	14 mm square shaft adapter with retainer	1										•	
	M9208-602	Retainer for M9208 coupler	5											
	M9220-602	Retainer for M9220 coupler	5										•	
D 10	M9000-152	Reinforcement plate for mounting to thin sheet metal	1				•	-	•	-			•	
Mounting Brackets	M9000-158 M9000-160	Tandem mounting bracket Anti-rotation bracket, M9106 (9) and M9108 (16) (24) (32) Series	1				-	-	-	-			•	
ğά	M9000-604	Anti-rotation bracket, M(S)9208 and M(S)9210 (20) Series	1										_	
	M9000-153	Crankarm kit	1	1			-		-			-	-	
	M9208-150	Crankarm kit	1	1				_	Ė			•		
	M9000-150	Damper mount linkage kit for D1300 dampers	1	1					-			_		
Damper Linkages / Accessories	DMPR-KC254	, ,	1	1			-	-	-	-	1			
sso	DMPR-KC260		1	1									-	
Sce	DMPR-KC054		1	t								•	•	
/ A	DMPR-KC100		1	1			•		-			-	•	
Jes	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in. length	1				•	•	•	•		-	•	
ıka	M9000-151	Remote mounting kit with crankarm and damper linkage	1				•	•	•					
<u> </u>	M9203-100	Remote mounting kit with crankarm	1								•			
ber	M9203-110	Universal mounting kit	1								•			
Jam	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								•			



Direct Mount Actuator Accessories (Part 2 of 3)

Direct	Code	uator Accessories (Part 2 of 3) Description ¹			n-Spring Return						Sprin			
	Number	·		VAV	Ger	neral	Pu	pos	е		Gene	ral Pui	pose	Safety
				M9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M9108	M9116	M9124	M9132	M9203	M9208	M9220	89208
	M9208-100	Remote mounting kit with crankarm	1									•		
	M9208-250	Remote mounting kit with crankarm and damper linkage for D1300 dampers	1									-		
es	M9000-170	Remote mounting kit (horizontal) with crankarm	1										•	
ssori	M9000-270	Remote mounting kit (horizontal) with crankarm and damper linkage for D1300 dampers	1										•	
\cc	M9000-171	Remote mounting kit (vertical) with crankarm	1											
Damper Linkages / Accessories (Cont.)	M9000-271	Remote mounting kit (vertical) with crankarm and damper linkage for D1300 dampers	1										•	
žá C		,	10			•	•	•	•	•				
בַּ	M9000-400	Jackshaft mounting kit, Ø 1/2 to 1.05 in.	1				•	•	•	•		-	•	
ledu	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1	<u> </u>			•	•	•	•		•	•	
Dan	M9000-605	Ball joint for Ø 1/4 or 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5								•	•	•	
	M9220-605	Ball joint for M8x1.25 threaded rod, M8x1.25 x 16.5 mm thread mount	5										•	
	DMPR-KC003 M9000-155	Blade pin extension (Ø 1/2 x 7 in.) for D1300 dampers Manual handle	5 1	-		•	-	-	-	•	•	•	•	
	M9000-155	Position indicators, VA9203 and VA9208 Series	-	<u> </u>			•	-	•	•				
	M9000-507	Ball valve linkage for non-spring return, 1/2 to 2 in. VG1000												
	M9000-518	valves with 9 mm square stem Ball valve linkage for non-spring return, 2-1/2 to 4 in. VG1000	1				-	-						
	M9000-519	flanged valves with 11 mm square stem Ball valve linkage for spring return, 2-1/2 to 4 in. VG1000	1						-					
	M9000-551	flanged valves with 11 mm square stem 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 for M9000-551 and M9000-560 ball valve linkages permits use of M(VA)9xxx actuators on VG1000 valves with low-pressure steam	1		-						•	•		
	M9000-520	Ball valve linkage, special and larger valve applications	1			•								
sel	M9000-530	Linkage for 2-1/2 in. flanged iron globe valves for single actuator mounting	1					-	-				•	
	M9000-531	Linkage for 3 in. flanged iron globe valves for single actuator mounting	1					•	•				•	
Valve Linkaç		Linkage for 4 in. flanged iron globe valves for single actuator mounting	1						-				•	
	M9000-532	Linkage for 3 in. flanged iron globe valves for tandem actuator mounting	1					•	•				•	
		Linkage for 4 in. flanged iron globe valves for tandem actuator mounting	1						-				•	
	M9000-533	Linkage for 5 in. flanged iron globe valves for single actuator mounting	1						-				•	
	M9000-534	Linkage for 5 in. flanged iron globe valves for tandem actuator mounting	1						•				•	
	M9000-535 M9000-536	Linkage for 6 in. flanged iron globe valves for single actuator mounting Linkage for 6 in. flanged iron globe valves for tandem actuator	1						-				•	
	M9000-536	mounting Linkage for 6 in. lianged from globe valves for tandem actuator mounting Linkage for 4 in. flanged iron globe valves for tandem actuator	1						•				•	
	M9000-610	mounting Tandem actuator adapter kit for VG2000 Series iron globe valve	1						-				•	
	1410000-010	linkages	1					•					•	



Direct Mount Actuator Accessories (Part 3 of 3)

	Code	Description ¹	Qty	Nor	Non-Spring Return						Spring Return			
	Number			VAV	Gei	neral	l Pu	rpos	е		Gene	ral Pu	rpose	Safety
				M9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M9108	M9116	M9124	M9132	M9203	M9208	M9220	S9208
	M9000-310	Weather shield NEMA 3R, control dampers and VG2000 Series iron globe valve linkages, non-spring return	1			•	-	•	-	•				
ş	M9000-320	Weather shield NEMA 3R, control dampers and VG2000 Series iron globe valve linkages, spring return	1										•	
Shiek	M9000-330	Weather shield NEMA 3R, VG1000 Series ball valves with M9000-516 or M9000-518 linkage, non-spring return	1				-	•	-					
Weather Shields	M9000-340	Weather shield NEMA 3R, VG1000 Series ball valves with M9000-517 or M9000-519 linkage, spring return	1										•	
ĕ	M9000-321	Weather shield, NEMA 4X (IP66), control dampers	1								•	•		
	M9000-341	Weather shield, NEMA 4X (IP66), 1/2 to 2 in. VG1000 Series ball valves (requires M9000-551 or M9000-560 ball valve linkage kit)	1											
bs	M9203-603	Adjustable stop kit	1								-			
Stops	M9208-603	Adjustable stop kit	1									•		
Adj.	M9220-603	Adjustable stop kit	1										•	
es	M9000-105	Pluggable 3-terminal block	1			-	-	-	-	-				
Wiring	M9000-106	Pluggable 4-terminal block	1			•								
Niri ess	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										•	
S	M9208-604	Manual crank, long, crank radius 2-13/16 in. (75 mm)	5									•		•
Tools	M9208-605	Manual crank, short, crank radius 1-13/16 in. (46.5 mm)	5									•		•
	M9220-604	Manual crank	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				•	-	•	-				
	Y65G13-0	Transformer, 40 VA Class 2, 24 to 24 VAC 60 Hz isolation, foot mounting	1	•	•	•	-	•	•	•		•	•	
	Y65A13-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, foot mounting	1	•	•	•	-	•	-	•		•	•	
	Y65A21-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, box mounting	1	•	•	•	-	•	-	•		-	•	
	Y65S13-0	Transformer, 40 VA Class 2, 208/240 to 24 VAC 60 Hz, foot mounting	1	•	•	•	•	•	•	•		-	•	
sno	Y63T22-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1	•	-	•	-	•	-	•		•	•	
Miscellaneous	Y63T31-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot/box mounting	1	•	•	•	•	•	-	•		•	•	
Misc	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	•	•	•	•	•	•	•		-	•	
	Y64T15-0 Y64T21-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box	1	•	-	•	•	•	-	•		•	•	
	Y64T22-0	mounting Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box	1	•	•	•	•	•	-	•		-	•	
	M9000-200	mounting Commissioning tool, for all 24V M(S)9xxx and M2202 Series	1	•	•	•	•	•	•	•		•	•	
	ST1.72E	actuators Duct thermal fuse, 162°F (72°C)	1	•	•	•	•	•	•	•		•	•	•
	311./ZE	Duct theimal luse, 102 F (72 C)	1											•

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



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



M9106-AGA-2N



M9106-AGS-2N

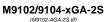
M9104-AGx-2Nxx and M9106-AGx-2Nxx Series Actuator Accessories

	Code Number	Description	Qty
Variable Air Volume (VAV) System Accesso	ories		<u> </u>
	CBL-2000-1	20 in. (0.5 m) plenum rated wiring harness	1
(CBL-2000-1.tif)			
(CBL-2000-1.til)	CBL-2000-2	20 in. (0.5 m) plenum rated wiring harness	1
	333 2000 2		·
(CBL-2000-2.tif)	CBL-2000-3	72 in. (1.8 m) plenum rated wiring harness	1
111	GBL-2000-3	72 III. (1.0 III) pienuii rated wiinig namess	
(CBL-2000-3.tif)			
	DPT-2015-0	0 to 1.5 in W.C. (0 to 375 Pa) differential pressure transmitter	1
(DPT-2015-0.tif)			



M9102-xGA-xS and M9104-xGA-xS Series Actuator Accessories







M9102/9104-xGA-3S

M9102-xGA-xS and M9104-xGA-xS Series Actuator Accessories

	Code Number	Description	Qty
Valve Linkages			
Custom for MA-60 Rustine Stone	M9000-551	VG1000 ball valve linkage (for use with M9104 Series actuators only)	1
(M9000, 561, jpg)	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
Weather Shields	L		
	M9000-341	Weather shield NEMA4x (IP66), 1/2 to 2 in. for VG1000 Series ball valves	1
(M9000_341.jpg)			
Wiring Accessories	I		140
	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)			



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



M9106-GGA-2

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

	Code Number	Description ¹	Qty
Mounting Brackets		<u>'</u>	ļ
(M9000-160.8I)	M9000-160	Anti-rotation bracket for M9106(9) and M9108(16)(24)(32) Series actuators	1
Damper Linkages / Accessories			1
(DMPR-KC003.8f)	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
Valve Linkages	 		
(M9000-520.ii)	M9000-520	VG1000 ball valve linkage (for special and larger valve applications)	1
Weather Shields	<u> </u>		
(M9000-310.II)	M9000-310	NEMA 3R weather shield for control dampers	1
Wiring Accessories	<u> </u>		
(M9000-105.il)	M9000-105	Pluggable 3-terminal block	1
(M9000-106.8I)	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 (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			<u> </u>
(M9000-154.II)	M9000-154	Jackshaft coupler kit for M9108 (16) (24) (32) Series actuators, (Ø 1 in.)	1
Mounting Brackets			
	M9000-152	Reinforcing plate for mounting to thin sheet metal	1
(M9000-152.tif)	M9000-158	Tandem mounting bracket	1
(M9000-158.8f)			
(M9000-160.#)	M9000-160	Anti-rotation bracket	1
Damper Linkages / Accessories			
(DMPR-KC003.il)	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
	DMPR-KC054	Blade pin extension (Ø 1/2 x 7 in.)	1
(DMPR-KC054.8I)	DWPK-NC034	(for use with D1300 dampers only)	



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

M9108, M9116, M9124, and M9132 Seri	Code Number	Description ¹	Qty
(DMPR-KC100.81)	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
(DMPR-KC102.8I)	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1
(DMPR-KC102.8)	DMPR-KC254	Damper mount linkage kit (for use with D1300 dampers only)	1
47 100	DMPR-KC300	Ball joint for Ø 5/16 in. rod, 1/4-20 x 9/16 in. thread mount	10
(M9000-150.iii)	M9000-150	Damper mounting kit for remote, inside-duct mounting an M9108 (16) (24) Series actuator to a three-blade or larger damper	1
(Iron LIT-1900157) (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
(M9000-153.81)	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,jpg)	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1



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

M9108, M9116, M9124, and M9132 Se	Code Number	Description ¹	Qty
Valve Linkages			
	M9000-155	Manual handle	1
((M9000-155.81)	M9000-516	Ball valve linkage for non-spring return, 1/2 to 2 in. VG1000 valves with 9 mm square stem	1
(M9000-516.8f)	M9000-518	Ball valve linkage for non-spring return, 2-1/2 to 4 in. VG1000 flanged valves with 11 mm square stem	1
	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)	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.iif)			
(M9000-610.8II)	M9000-610	Tandem actuator adapter kit for VG2000 Series iron globe valve linkages (not for use with the M9000-530 linkage)	1



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

	Code Number	Description ¹	Qty
Weather Shields			
(M9000-310.III)	M9000-310	NEMA 3R weather shield for control dampers or M9000-53x linkage kits on VG2000 Series cast iron flanged globe valves	1
(M9000-330.III)	M9000-330	NEMA 3R weather shield for VG1000 Series non-spring-return ball valves with M9000-516 or M9000-518 linkage	1
Wiring Accessories	,		
(M3000-105.III)	M9000-105	Pluggable 3-terminal block	
Miscellaneous (Unique to M9108[16][24][32] S		T (0) 0 100 101 100	L
(M9000-103.ill)	M9000-103	Transformer, Class 2, 120/24 VAC	1
(M9000-104.II)	M9000-104	Transformer, Class 2, 230/24 VAC	1

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



M9203 Series Actuator Accessories



M9203 Series Actuator Accessories (Part 1 of 4)

M9203 Series Actuator Accessorie	Code Number	Description ¹	Qty
Shaft Couplers / Position Indicators			
0000	M9000-606	Position indicators, M9203 and M9208 Series	1
(M9000_506,jpg)	M9203-601	Standard coupler kit, M9203 Series (Ø 1/4 to 1/2 in.) (□ 1.4 to 5/16 in.)	1
(MS203_602,pg)	M9203-602	Retainer for M9203 coupler	5
Mounting Brackets			
(M9000_604,jpg)	M9000-604	Anti-rotation bracket	1



M9203 Series Actuator Accessories (I	Part 2 of 4) Code Number	Description ¹	Qty
Weather Shields	oode Humber	Description	Qty
Wedner Officials	T880000 004	Westbasskield NEMA 4. (IDCC) asstall degrees	14
	M9000-321	Weather shield NEMA 4x (IP66), control dampers	1
(M9000_321.jpg)	M9000-341	Weather shield NEMA 4x (IP66), 1/2 to 2 in. VG1000 Series ball	1
(M9000_341.ipg)		valves	
Damper Linkages / Accessories			
(DMPR-KC003.tif)	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
(DMPR-KC054.iii)	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1
La L	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
(DMPR-KC100.ii)	DMPR-KC102	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
(DMPR-KC102.tif)	M0000 400	Departs assumiting this with sound to the	
(M9203_100,jpg)	M9203-100	Remote mounting kit with crankarm	1



M9203 Series Actuator Accessories (Part 3 of 4)

M9203 Series Actuator Accessories (P	Code Number	Description ¹	Qty
	M9203-110	Universal mounting kit	1
AS .			
, 5			
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
21/2			
~			
(M9203_110.jpg)	M0000 445	Universal assumbles hit with seasons	4
-	M9203-115	Universal mounting kit with crankarm	1
M. 4.			
(M9203_115.jpg)	M9203-150	Crankarm kit	1
	1110200 100	Statikatii kit	
(M9203_150.jpg)			
[motoc_roospeg)	M9203-250	Remote mounting kit with crankarm and damper linkage for	1
`		D1300 dampers	
o the			
17. 17. 11.			
(M9203_250.jpg	M0000 005	Dell'sintfee (CAMA and (CEMO))	-
	M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5
18 70 6			
(M9000_605.jpg Adjustable Stops			
rajadasio diopo	M9203-603	Adjustable stop kit	11
	19132U3-0U3	Trujustable stop til	1
(M9203_603.jpg)			



M9203 Series Actuator Accessories (Part 4 of 4)

,	Code Number	Description ¹	Qty
Valve Linkages			
	M9000-607	Position indicators, VA9203 and VA9208 Series	1
(M9000_607.jpg)			
17	M9000-560	Ball valve linkage for spring return, 1/2 to 2 in. hot and chilled water applications	1
(M9000-560.jpg)	M9000-561	Thermal harrier for MOOOO 500 and MOOOO 551 hall value linkages	1
	W3000-361	Thermal barrier for M9000-560 and M9000-551 ball valve linkages. Permits use of M(VA)9xxx actuators on VG1000 valves with low-pressure steam	
(M9000_561.jpg			

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



M9208 Series Actuator Accessories



M9208 Series Actuator Accessories (Part 1 of 3)

M9208 Series Actuator Accessories (P	Code Number	Description ¹	Qty
Shaft Couplers / Position Indicators			
(M9000-600.81)	M9208-600	Large coupler kit for use with M9208 Series actuators (Ø 1/2 to 3/4 in. and □ 3/8 to 9/16 in.)	1
(M9000-601.HI)	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
(M3208-602 iii)	M9208-602	Retainer for M9208 coupler	5
Mounting Brackets			
(M9000-604.III)	M9000-604	Anti-rotation bracket	1
Tools			
(M9208-604.ii)	M9208-604	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
(M9208-605.81)	M9000-321	Weather shield NEMA 4X(IP66), control dampers	1



M9208 Series Actuator Accessories (Part 2 of 3)

M9208 Series Actuator Accessories (Part	Code Number	Description ¹	Qty
Weather Shields		1	
	M9000-341	Weather shield NEMA 4X(IP66), 1/2 to 2 in. VG1000 Series ball valves	1
(M9000_341,jpg) Damper Linkages / Accessories	DMPR-KC003	Plade pin extension (Ø.1/2 v.7 in.)	[5
(DMPR-KC003.II)		Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	
(DMPR-KC054.til)	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1
(DMPR-KC100.ii)	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
(DMPR-KC102.18)	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_400.lpg)	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	
(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
(M3208-100.III)	M9208-100	Remote mounting kit with crankarm	1



M9208 Series Actuator Accessories (Part 3 of 3)

·	Code Number	Description ¹	Qty
Damper Linkages / Accessories			
	M9208-150	Crankarm kit	11
	183200 100	oranica minit	'
(M9208-150.tif)			
	M9208-250	Remote mounting kit with crankarm and damper linkage (for use with D1300 dampers only)	1
(M9208-250.III)			
Adjustable Stops			
	M9208-603	Adjustable stop kit	1
(M3208-603.iif)			
Wiring Accessories			
	M9200-100	Threaded conduit adapters for 1/2 in. electrician's fittings	1
(M9200_100.jpg)			

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



M9220 Series Actuator Accessories



M9220 Series Actuator Accessories (Part 1 of 4)

	Code Number	Description ¹	Qty
Shaft Couplers / Position Indicators		· ·	
	M9000-611	Position indicators for use with M9220 Series actuators	5
(M9000-611.tif)			
Grand Grand	M9220-600	Jackshaft coupler kit for use with M9220 Series actuators	1
		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	
		or ore and or and the first of the oregin of	
(M9220-600A.tif)			
	M9220-601	Standard coupler kit for use with M9220 Series actuators	1
		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	
(M9220-601.tif)			
(1/9/220-001.ill)	M9220-602	Retainer for M9220 coupler	5
(M9220-602.tif)			
	M9220-610	10 mm square shaft adapter with retainer	1
(S)	M9220-612	12 mm square shaft adapter with retainer	1
(M9220-602.tif)	WI3220-012	12 mm square shart adapter with retainer	l'
(M9220-610.tif)			
	M9220-614	14 mm square shaft adapter with retainer	1
Mounting Brackets	I		
-	M9000-152	Reinforcing plate for mounting to thin sheet metal	1
(M9000-152.tif)	M9000-158	Tandem mounting bracket	1
	113000-130	Tandom mounting bracket	'
11			
4777			
(M9000-158.tif)			



M9220 Series Actuator Accessories (Part 2 of 4)

M9220 Series Actuator Accessories (Part 2	Code Number	Description ¹	Qty
	M9000-604	Anti -rotation bracket	1
22			
(M9000-604.tif)			<u> </u>
Damper Linkages / Accessories			1-
	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
		(** *** **** = ************************	
Real Property of the Control of the			
(DMPR-KC003.tif)	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1
Div G	Dim K Kooo4	bamper blade arm (for use with b 1000 dampers only)	[
PA			
(DMPR-KC054.tif)			ļ
	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
15 15			1
N/ico			
(DMPR-KC100.tif)	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1
	DIVIER-NOTUZ	Damper pusit rou, w 3/10 x 40 lft.	1
			1
			1
(DMPR-KC102.tif)	DMDD VOCCO	Daniel and the land lift (for any 11) D4000 Land	
1	DMPR-KC260	Damper mount linkage kit (for use with D1300 dampers only)	1
			1
(DMPR-KC260.iii)			1
\	M9000-153	Crankarm kit	1
		(not for use with M9132 series actuators or tandem applications)	1
			1
(M9000-153.iif)	M9000-170	Remote mounting kit (horizontal) with crankarm and ball joint	1
	MI3000-170	Tremote mounting ait (nonzontal) with Grankarm and ball Joint	[
31120//			1
(M9000-170.tif)			1
(maooo-ro.ai)	M9000-171	Remote mounting kit (vertical) with crankarm and ball joint	1
P -			1
			1
			1
111/200			1
(M9000-171.iif)			
	M9000-270	Remote mounting kit (horizontal) with crankarm and damper linkage (for use with D1300 dampers only)	1
		ininage (for use with D 1300 daffipers offig)	1
			1
			1
(M-9000-270.tif)			



M9220 Series Actuator Accessories (Part 3 of 4)

	3 of 4) Code Number	Description ¹	Qty
	M9000-271	Remote mounting kit (vertical) with crankarm and damper linkage (for use with D1300 dampers only)	1
		(ist use war 2 root dampers only)	
M9000-271.tif)	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
M9000_400.jpg)	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1
M9000_402.jpg)	M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods,	5
4 TO B		5/16-24 x 33/64 in. thread mount	
M9000_605.jpg)	M9220-605	Ball joint for M8x1.25 threaded rod, M8x1.25 x 16.5 mm thread	5
MS220-605.tlf)		mount	
Valve Linkages			I
M9000-518.iii)	M9000-519	Ball valve linkage for spring return, 2-1/2 to 4 in. VG1000 flanged valves with 11 mm square stem	1
•	M9000-530	VG2000 linkage kit for M9220 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 M9220 Series electric actuator and Johnson Controls 3 in. and 4 in. cast iron globe valves with 3/8 in. stems	1
	M9000-533	VG2000 linkage kit for a single M9220 Series electric actuator and Johnson Controls 5 in. cast iron globe valves with 1/2 in. stems	1
M9000-531.tif)	M9000-535	VG2000 linkage kit for a single M9220 Series electric actuator and Johnson Controls 6 in. cast iron globe valves with 1/2 in. stems	1



M9220 Series Actuator Accessories (Par	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	VG2000 linkage kit for tandem M9220 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 M9220 Series electric actuators and Johnson Controls 3 in. and 4 in. cast iron globe valves with 1/2 in. stems	1
M9000-535.tlf)	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)			
Weather Shields	140000 000	NEMA 2D weather shield for control design on AM2222 EQ. (2)	4
	M9000-320	NEMA 3R weather shield for control dampers or M9000-53x Series linkage kits on VG2000 Series cast iron flanged globe valves	1
(M9000-320.ii)			
	M9000-340	NEMA 3R weather shield for VG1000 Series ball valves with M9000-517 or M9000-519 linkage, spring return	1
M9000-340.ii) Adjustable Stops			
(M5220-603.III)	M9220-603	Adjustable stop kit	1
Wiring Accessories			
	M9200-100	Threaded conduit adapters for 1/2 in. electrician's fittings	
(M9200_100.jpg)			
Tools	M0220 CO4	Manual arank	E
(///5220-604.11)	M9220-604	Manual crank	5
TOLLO GO TANY			L

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



S9208 Series Actuator Accessories



S9208-BDC-33C

S9208 Series Actuator Accessories

39200 Series Actuator Accessories	Code Number	Description	Qty
Shaft Couplers / Position Indicators	 		l .
	S9208-608	8 mm square shaft adapter	5
(S9208-608.tif)	00000		
	S9208-610	10 mm square shaft adapter	5
(S9208-610.iii) Mounting Brackets			
Mounting Brackets	140000 004	A.C. otaC. otaC.	1-
(M5000-604.III)	M9000-604	Anti-rotation bracket	5
Tools			<u>'</u>
(M5206-604.ii)	M9208-604	Long manual crank, 2-13/16 in. (72 mm) crank radius	5
(M9208-605.ii)	M9208-605	Short manual crank, 1-13/16 in. (47 mm) crank radius	5
Miscellaneous			
(ST1.8f)	ST1.72E	Duct thermal fuse, 162°F (72°C)	1



Miscellaneous Accessories

Miscellaneous Accessories

	Code Number	Description	Qty
Transformers			
(Y63722.01)	Y63T22-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
(Y63T31.iif)	Y63T31-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot/box mounting	1
(Y64715.iil)	Y64T15-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1
(Y64721.01)	Y64T21-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
(Y64722.01)	Y64T22-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
(Y65A13.07)	Y65A13-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, foot mounting	1
(Y65A21.III)	Y65A21-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, box mounting	1
(Y65G13.89)	Y65G13-0	Transformer, 40 VA Class 2, 24 to 24 VAC 60 Hz isolation, foot mounting	1
(Y65S13.III)	Y65S13-0	Transformer, 40 VA Class 2, 208/240 to 24 VAC 60 Hz, foot mounting	1
(Y65T12.iii)	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
(Y66T13.ii) Commissioning Tool			
(M9000_200.jpg)	M9000-200	Commissioning tool for all 24V M(S)9xxx and M2202 Series actuators	1