

## Direct Mount Actuator Accessories

### Direct Mount Actuator Accessories (Part 1 of 3)

	Code Number	Description <sup>1</sup>	Qty	Non-Spring Return						Spring Return				
				VAV	General Purpose					General Purpose		Safety		
					M9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGX-2	M9108	M9116	M9124	M9132		M9203	M9208
VAV Accessories	CBL-2000-1	20 in. wire harness, actuator/transmitter to controller	1	■										
	CBL-2000-2	20 in. cable, actuator/transmitter to controller, plenum rated	1	■										
	CBL-2000-3	72 in. cable, actuator/transmitter To controller, plenum rated	1	■										
	DPT-2015-0	Differential pressure transmitter, 0 to 1-1/2 in. W.C. (0 to 374 Pa.)	1	■										
Shaft Couplers / Position Indicators	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				■	■	■	■				
	M9203-601	Standard coupler kit, M9203 Series (Ø 1/4 to 1/2 in.) (□ 1/4 to 5/16 in.)	1								■			
	M9203-602	Retainer for M9203 coupler	5								■			
	M9208-601	Standard coupler kit, M9208 Series (Ø 5/16 to 5/8 in.) (□ 1/4 to 1/2 in.)	1									■		
	M9208-600	Large coupler kit, M9208 Series (Ø 1/2 to 3/4 in.) (□ 3/8 to 9/16 in.)	1									■		
	M9220-601	Standard coupler kit M9220 Series (1/2 to 3/4 in.) (□ 3/8 to 1/2 in.)	1										■	
	M9220-600	Jackshaft coupler kit, M9220 Series (3/4 to 1-1/16 in.) (□ 5/8 to 3/4 in.)	1										■	
	S9208-608	8 mm square shaft adapter	5											■
	S9208-610	10 mm square shaft adapter	5											■
	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										■	
Mounting Brackets	M9000-152	Reinforcement plate for mounting to thin sheet metal	1				■	■	■	■				
	M9000-158	Tandem mounting bracket	1				■	■	■	■				
	M9000-160	Anti-rotation bracket, M9106 (9) and M9108 (16) (24) (32) Series	1			■	■	■	■	■				
	M9000-604	Anti-rotation bracket, M(S)9208 and M(S)9210 (20) Series	1									■	■	■
Damper Linkages / Accessories	M9000-153	Crankarm kit	1				■	■	■	■			■	
	M9208-150	Crankarm kit	1									■		
	M9000-150	Damper mount linkage kit for D1300 dampers	1				■	■	■	■				
	DMPR-KC254	Damper mount linkage kit for D1300 dampers	1				■	■	■	■				
	DMPR-KC260	Damper mount linkage kit for D1300 dampers	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				■	■	■	■		■	■	
	M9000-151	Remote mounting kit with crankarm and damper linkage	1				■	■	■					
	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									■			

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**Direct Mount Actuator Accessories (Continued)**

**Direct Mount Actuator Accessories (Part 2 of 3)**

	Code Number	Description <sup>1</sup>	Qty	Non-Spring Return						Spring Return				
				VAV	General Purpose						General Purpose		Safety	
					M9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M9108	M9116	M9124	M9132	M9203		M9208
Damper Linkages / Accessories (Cont.)	M9208-100	Remote mounting kit with crankarm	1											
	M9208-250	Remote mounting kit with crankarm and damper linkage for D1300 dampers	1											
	M9000-170	Remote mounting kit (horizontal) with crankarm	1											
	M9000-270	Remote mounting kit (horizontal) with crankarm and damper linkage for D1300 dampers	1											
	M9000-171	Remote mounting kit (vertical) with crankarm	1											
	M9000-271	Remote mounting kit (vertical) with crankarm and damper linkage for D1300 dampers	1											
	DMPR-KC300	Ball joint for Ø 5/16 in. rod, 1/4-20 x 9/16 in. thread mount	10											
	M9000-400	Jackshaft mounting kit, Ø 1/2 to 1.05 in.	1											
	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	1											
	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	Blade pin extension (Ø 1/2 x 7 in.) for D1300 dampers	5											
Valve Linkages	M9000-155	Manual handle	1											
	M9000-607	Position indicators, VA9203 and VA9208 Series												
	M9000-516	Ball valve linkage for non-spring return, 1/2 to 2 in. VG1000 valves with 9 mm square stem	1											
	M9000-518	Ball valve linkage for non-spring return, 2-1/2 to 4 in. VG1000 flanged valves with 11 mm square stem	1											
	M9000-519	Ball valve linkage for spring return, 2-1/2 to 4 in. VG1000 flanged valves with 11 mm square stem	1											
	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 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											
	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											
		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	Linkage for 6 in. flanged iron globe valves for single actuator mounting	1											
	M9000-536	Linkage for 6 in. flanged iron globe valves for tandem actuator mounting	1											
M9000-537	Linkage for 4 in. flanged iron globe valves for tandem actuator mounting	1												
M9000-610	Tandem actuator adapter kit for VG2000 Series iron globe valve linkages	1												

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**Direct Mount Actuator Accessories (Continued)**

**Direct Mount Actuator Accessories (Part 3 of 3)**

	Code Number	Description <sup>1</sup>	Qty	Non-Spring Return						Spring Return				
				VAV	General Purpose						General Purpose		Safety	
					M9104(6)-AGx-2Nxx	M9102(4)-xGA-xS	M9106(9)-xGx-2	M9108	M9116	M9124	M9132	M9203	M9208	M9220
Weather Shields	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									■		
	M9000-330	Weather shield NEMA 3R, VG1000 Series ball valves with M9000-516 or M9000-518 linkage, non-spring return	1				■	■	■					
	M9000-340	Weather shield NEMA 3R, VG1000 Series ball valves with M9000-517 or M9000-519 linkage, spring return	1									■		
	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											
Adj. Stops	M9203-603	Adjustable stop kit	1							■				
	M9208-603	Adjustable stop kit	1								■			
	M9220-603	Adjustable stop kit	1									■		
Wiring Accessories	M9000-105	Pluggable 3-terminal block	1			■	■	■	■	■				
	M9000-106	Pluggable 4-terminal block	1			■								
	M9104-100	Conduit adapter for 3/8 in. flexible metal conduit	10		■									
	M9200-100	Threaded conduit adapters for 1/2 in. electrician's fittings	5										■	■
Tools	M9208-604	Manual crank, long, crank radius 2-13/16 in. (75 mm)	5								■			■
	M9208-605	Manual crank, short, crank radius 1-13/16 in. (46.5 mm)	5								■			■
	M9220-604	Manual crank	5									■		
Miscellaneous	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	■	■	■	■	■	■	■		■	■	
	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	■	■	■	■	■	■	■		■	■	
	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	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1	■	■	■	■	■	■	■		■	■	
	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	■	■	■	■	■	■	■		■	■	
	M9000-200	Commissioning tool, for all 24V M(S)9xxx and M2202 Series actuators	1	■	■	■	■	■	■	■		■	■	■
	ST1.72E	Duct thermal fuse, 162°F (72°C)	1											■

1. ∅ means round shaft size (diameter); □ means square shaft size (each side)

**Direct Mount Actuator Accessories (Continued)**

**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
<b>Variable Air Volume (VAV) System Accessories</b>			
 <small>(CBL-2000-1.tif)</small>	<b>CBL-2000-1</b>	20 in. (0.5 m) plenum rated wiring harness	1
 <small>(CBL-2000-2.tif)</small>	<b>CBL-2000-2</b>	20 in. (0.5 m) plenum rated wiring harness	1
 <small>(CBL-2000-3.tif)</small>	<b>CBL-2000-3</b>	72 in. (1.8 m) plenum rated wiring harness	1
 <small>(DPT-2015-0.tif)</small>	<b>DPT-2015-0</b>	0 to 1.5 in W.C. (0 to 375 Pa) differential pressure transmitter	1

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**Direct Mount Actuator Accessories (Continued)**

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



**M9102/9104-xGA-2S**  
(M9102-AGA-2S.tif)



**M9102/9104-xGA-3S**  
(M9102-IGA-3S.tif)

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

	Code Number	Description	Qty
<b>Valve Linkages</b>			
<p>(M9000-550 i101.cdr) from 34-636-1816</p>	<b>M9000-551</b>	VG1000 ball valve linkage (for use with M9104 Series actuators only)	1
<p>(M9000_561.jpg)</p>	<b>M9000-561</b>	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
<b>Weather Shields</b>			
<p>(M9000_341.jpg)</p>	<b>M9000-341</b>	Weather shield NEMA4x (IP66), 1/2 to 2 in. for VG1000 Series ball valves	1
<b>Wiring Accessories</b>			
<p>(M9104-100.tif)</p>	<b>M9104-100</b>	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

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**Direct Mount Actuator Accessories (Continued)**

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



**M9106-GGA-2**  
(M9106-GGA-2.tif)

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



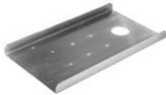




	Code Number	Description <sup>1</sup>	Qty
<b>Mounting Brackets</b>			
 (M9000-160.tif)	<b>M9000-160</b>	Anti-rotation bracket for M9106(9) and M9108(16)(24)(32) Series actuators	1
<b>Damper Linkages / Accessories</b>			
 (DMPR-KC003.tif)	<b>DMPR-KC003</b>	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
<b>Valve Linkages</b>			
 (from 14-1297-5)	<b>M9000-520</b>	VG1000 ball valve linkage (for special and larger valve applications)	1
<b>Weather Shields</b>			
 (M9000-310.tif)	<b>M9000-310</b>	NEMA 3R weather shield for control dampers	1
<b>Wiring Accessories</b>			
 (M9000-105.tif)	<b>M9000-105</b>	Pluggable 3-terminal block	1
 (M9000-106.tif)	<b>M9000-106</b>	Pluggable 4-terminal block	1

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

**Direct Mount Actuator Accessories (Continued)****M9108, M9116, M9124, and M9132 Series Actuator Accessories**

**M9108-AGA-2**  
(M9108-AGA-2.tif)






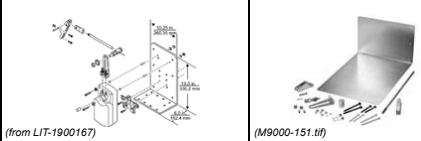



**M9108, M9116, M9124, and M9132 Series Actuator Accessories (Part 1 of 4)**

	Code Number	Description <sup>1</sup>	Qty
<b>Shaft Couplers / Position Indicators</b>			
 (from LIT-1900167)	<b>M9000-154</b>	Jackshaft coupler kit for M9108 (16) (24) (32) Series actuators, (Ø 1 in.)	1
 (M9000-154.tif)			
<b>Mounting Brackets</b>			
 (M9000-152.tif)	<b>M9000-152</b>	Reinforcing plate for mounting to thin sheet metal	1
 (M9000-158.tif)	<b>M9000-158</b>	Tandem mounting bracket	1
 (M9000-160.tif)	<b>M9000-160</b>	Anti-rotation bracket	1
<b>Damper Linkages / Accessories</b>			
 (DMPR-KC003.tif)	<b>DMPR-KC003</b>	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
 (DMPR-KC054.tif)	<b>DMPR-KC054</b>	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1

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**Direct Mount Actuator Accessories (Continued)**







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

	Code Number	Description <sup>1</sup>	Qty
 <small>(DMPR-KC100.tif)</small>	<b>DMPR-KC100</b>	Damper blade linkage (for use with D1300 dampers only)	1
 <small>(DMPR-KC102.tif)</small>	<b>DMPR-KC102</b>	Damper push rod, Ø 5/16 x 48 in.	1
 <small>(DMPR-KC260.tif)</small>	<b>DMPR-KC254</b>	Damper mount linkage kit (for use with D1300 dampers only)	1
 <small>(DMPR-KC300)</small>	<b>DMPR-KC300</b>	Ball joint for Ø 5/16 in. rod, 1/4-20 x 9/16 in. thread mount	10
 <small>(M9000-150.tif)</small>	<b>M9000-150</b>	Damper mounting kit for remote, inside-duct mounting an M9108 (16) (24) Series actuator to a three-blade or larger damper	1
 <small>(from LIT-1900167) (M9000-151.tif)</small>	<b>M9000-151</b>	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
 <small>(M9000-153.tif)</small>	<b>M9000-153</b>	Crankarm kit (not for use with M9132 Series actuators or tandem applications)	1
 <small>(M9000_400.jpg)</small>	<b>M9000-400</b>	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
 <small>(M9000_402.jpg)</small>	<b>M9000-402</b>	Replacement hardware for M9000-400 jackshaft mounting kit	1

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**Direct Mount Actuator Accessories (Continued)****M9108, M9116, M9124, and M9132 Series Actuator Accessories (Part 3 of 4)**

	Code Number	Description <sup>1</sup>	Qty
<b>Valve Linkages</b>			
 <small>(M9000-155.tif)</small>	<b>M9000-155</b>	Manual handle	1
 <small>(M9000-516.tif)</small>	<b>M9000-516</b>	Ball valve linkage for non-spring return, 1/2 to 2 in. VG1000 valves with 9 mm square stem	1
 <small>(M9000-518.tif)</small>	<b>M9000-518</b>	Ball valve linkage for non-spring return, 2-1/2 to 4 in. VG1000 flanged valves with 11 mm square stem	1
 <small>(M9000-531.tif)</small>	<b>M9000-530</b>	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
	<b>M9000-531</b>	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
	<b>M9000-533</b>	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
	<b>M9000-535</b>	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
 <small>(M9000-534.tif)</small>	<b>M9000-532</b>	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
	<b>M9000-534</b>	VG2000 linkage kit for tandem M9124 Series electric actuators and Johnson Controls 5 in. cast iron globe valves with 1/2 in. stems	1
	<b>M9000-536</b>	VG2000 linkage kit for tandem M9124 Series electric actuators and Johnson Controls 6 in. cast iron globe valves with 1/2 in. stems	1
	<b>M9000-537</b>	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
 <small>(M9000-610.tif)</small>	<b>M9000-610</b>	Tandem actuator adapter kit for VG2000 Series iron globe valve linkages (not for use with the M9000-530 linkage)	1

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**Direct Mount Actuator Accessories (Continued)**

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

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

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





**Direct Mount Actuator Accessories (Continued)**

**M9203 Series Actuator Accessories**



**M9203-GGB-2**  
(M9203.jpg)








**M9203 Series Actuator Accessories (Part 1 of 4)**

	Code Number	Description <sup>1</sup>	Qty
<b>Shaft Couplers / Position Indicators</b>			
 (M9000_606.jpg)	M9000-606	Position indicators, M9203 and M9208 Series	1
 (M9203_601.jpg)	M9203-601	Standard coupler kit, M9203 Series (Ø 1/4 to 1/2 in.) (□ 1.4 to 5/16 in.)	1
 (M9203_602.jpg)	M9203-602	Retainer for M9203 coupler	5
<b>Mounting Brackets</b>			
 (M9000_604.jpg)	M9000-604	Anti-rotation bracket	1

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**Direct Mount Actuator Accessories (Continued)**

**M9203 Series Actuator Accessories (Part 2 of 4)**

	Code Number	Description <sup>1</sup>	Qty
<b>Weather Shields</b>			
 <small>(M9000_321.jpg)</small>	<b>M9000-321</b>	Weather shield NEMA 4x (IP66), control dampers	1
 <small>(M9000_341.jpg)</small>	<b>M9000-341</b>	Weather shield NEMA 4x (IP66), 1/2 to 2 in. VG1000 Series ball valves	1
<b>Damper Linkages / Accessories</b>			
 <small>(DMPR-KC003.tif)</small>	<b>DMPR-KC003</b>	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
 <small>(DMPR-KC054.tif)</small>	<b>DMPR-KC054</b>	Damper blade arm (for use with D1300 dampers only)	1
 <small>(DMPR-KC100.tif)</small>	<b>DMPR-KC100</b>	Damper blade linkage (for use with D1300 dampers only)	1
 <small>(DMPR-KC102.tif)</small>	<b>DMPR-KC102</b>	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	1
 <small>(M9203_100.jpg)</small>	<b>M9203-100</b>	Remote mounting kit with crankarm	1




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**Direct Mount Actuator Accessories (Continued)****M9203 Series Actuator Accessories (Part 3 of 4)**

	Code Number	Description <sup>1</sup>	Qty
 <small>(M9203_110.jpg)</small>	M9203-110	Universal mounting kit	1
 <small>(M9203_115.jpg)</small>	M9203-115	Universal mounting kit with crankarm	1
 <small>(M9203_150.jpg)</small>	M9203-150	Crankarm kit	1
 <small>(M9203_250.jpg)</small>	M9203-250	Remote mounting kit with crankarm and damper linkage for D1300 dampers	1
 <small>(M9000_605.jpg)</small>	M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5
<b>Adjustable Stops</b>			
 <small>(M9203_603.jpg)</small>	M9203-603	Adjustable stop kit	1

**Direct Mount Actuator Accessories (Continued)**

**M9203 Series Actuator Accessories (Part 4 of 4)**

	Code Number	Description <sup>1</sup>	Qty
<b>Valve Linkages</b>			
 <p>(M9000_607.jpg)</p>	<b>M9000-607</b>	Position indicators, VA9203 and VA9208 Series	1
 <p>(M9000-560.jpg)</p>	<b>M9000-560</b>	Ball valve linkage for spring return, 1/2 to 2 in. hot and chilled water applications	1
 <p>(M9000_561.jpg)</p>	<b>M9000-561</b>	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	1

1. ∅ means round shaft size (diameter); □ means square shaft size (each side)








## Direct Mount Actuator Accessories (Continued)

### M9208 Series Actuator Accessories



**M9208-BAC-3**  
(M9208-BAC-3.tif)










#### M9208 Series Actuator Accessories (Part 1 of 3)

	Code Number	Description <sup>1</sup>	Qty
<b>Shaft Couplers / Position Indicators</b>			
 (M9208-600.tif)	<b>M9208-600</b>	Large coupler kit for use with M9208 Series actuators ( $\varnothing$ 1/2 to 3/4 in. and $\square$ 3/8 to 9/16 in.)	1
 (M9208-601.tif)	<b>M9208-601</b>	Standard coupler kit for use with M9208 Series actuators ( $\varnothing$ 5/16 to 5/8 in. and $\square$ 1/4 to 1/2 in.)	1
 (M9208-602.tif)	<b>M9208-602</b>	Retainer for M9208 coupler	5
<b>Mounting Brackets</b>			
 (M9000-604.tif)	<b>M9000-604</b>	Anti-rotation bracket	1
<b>Tools</b>			
 (M9208-604.tif)	<b>M9208-604</b>	Long manual crank, 2-13/16 in. (72 mm) crank radius	5
 (M9208-605.tif)	<b>M9208-605</b>	Short manual crank, 1-13/16 in. (47 mm) crank radius	5
 (M9000_321.jpg)	<b>M9000-321</b>	Weather shield NEMA 4X(IP66), control dampers	1

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**Direct Mount Actuator Accessories (Continued)**





**M9208 Series Actuator Accessories (Part 2 of 3)**

	Code Number	Description <sup>1</sup>	Qty
<b>Weather Shields</b>			
 <p><small>(M9000_341.jpg)</small></p>	M9000-341	Weather shield NEMA 4X(IP66), 1/2 to 2 in. VG1000 Series ball valves	1
<b>Damper Linkages / Accessories</b>			
 <p><small>(DMPR-KC003.tif)</small></p>	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
 <p><small>(DMPR-KC054.tif)</small></p>	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1
 <p><small>(DMPR-KC100.tif)</small></p>	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
 <p><small>(DMPR-KC102.tif)</small></p>	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1
 <p><small>(M9000_400.jpg)</small></p>	M9000-400	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	
 <p><small>(M9000_402.jpg)</small></p>	M9000-402	Replacement hardware for M9000-400 jackshaft mounting kit	
 <p><small>(M9000_605.jpg)</small></p>	M9000-605	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5
 <p><small>(M9208-100.tif)</small></p>	M9208-100	Remote mounting kit with crankarm	1

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**Direct Mount Actuator Accessories (Continued)****M9208 Series Actuator Accessories (Part 3 of 3)**

	Code Number	Description <sup>1</sup>	Qty
<b>Damper Linkages / Accessories</b>			
 <small>(M9208-150.tif)</small>	<b>M9208-150</b>	Crankarm kit	1
 <small>(M9208-250.tif)</small>	<b>M9208-250</b>	Remote mounting kit with crankarm and damper linkage (for use with D1300 dampers only)	1
<b>Adjustable Stops</b>			
 <small>(M9208-603.tif)</small>	<b>M9208-603</b>	Adjustable stop kit	1
<b>Wiring Accessories</b>			
 <small>(M9200_100.jpg)</small>	<b>M9200-100</b>	Threaded conduit adapters for 1/2 in. electrician's fittings	1

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







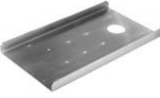

**Direct Mount Actuator Accessories (Continued)**

**M9220 Series Actuator Accessories**













**M9220-BAC-3**  
(M9220-BAC-3.tif)

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

	Code Number	Description <sup>1</sup>	Qty
<b>Shaft Couplers / Position Indicators</b>			
 (M9000-611.tif)	M9000-611	Position indicators for use with M9220 Series actuators	5
 (M9220-600A.tif)	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
 (M9220-601.tif)	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
 (M9220-602.tif)	M9220-602	Retainer for M9220 coupler	5
 (M9220-610.tif)  (M9220-602.tif)	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
<b>Mounting Brackets</b>			
 (M9000-152.tif)	M9000-152	Reinforcing plate for mounting to thin sheet metal	1
 (M9000-158.tif)	M9000-158	Tandem mounting bracket	1

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**Direct Mount Actuator Accessories (Continued)****M9220 Series Actuator Accessories (Part 2 of 4)**

	Code Number	Description <sup>1</sup>	Qty
 <small>(M9000-604.tif)</small>	M9000-604	Anti -rotation bracket	1
<b>Damper Linkages / Accessories</b>			
 <small>(DMPR-KC003.tif)</small>	DMPR-KC003	Blade pin extension (Ø 1/2 x 7 in.) (for use with D1300 dampers only)	5
 <small>(DMPR-KC054.tif)</small>	DMPR-KC054	Damper blade arm (for use with D1300 dampers only)	1
 <small>(DMPR-KC100.tif)</small>	DMPR-KC100	Damper blade linkage (for use with D1300 dampers only)	1
 <small>(DMPR-KC102.tif)</small>	DMPR-KC102	Damper push rod, Ø 5/16 x 48 in.	1
 <small>(DMPR-KC260.tif)</small>	DMPR-KC260	Damper mount linkage kit (for use with D1300 dampers only)	1
 <small>(M9000-153.tif)</small>	M9000-153	Crankarm kit (not for use with M9132 series actuators or tandem applications)	1
 <small>(M9000-170.tif)</small>	M9000-170	Remote mounting kit (horizontal) with crankarm and ball joint	1
 <small>(M9000-171.tif)</small>	M9000-171	Remote mounting kit (vertical) with crankarm and ball joint	1
 <small>(M-9000-270.tif)</small>	M9000-270	Remote mounting kit (horizontal) with crankarm and damper linkage (for use with D1300 dampers only)	1

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## Direct Mount Actuator Accessories (Continued)

### M9220 Series Actuator Accessories (Part 3 of 4)

	Code Number	Description <sup>1</sup>	Qty
 <small>(M9000-271.tif)</small>	<b>M9000-271</b>	Remote mounting kit (vertical) with crankarm and damper linkage (for use with D1300 dampers only)	1
 <small>(M9000_400.jpg)</small>	<b>M9000-400</b>	Jackshaft mounting kit, Ø 0.5 to 1.05 in.	1
 <small>(M9000_402.jpg)</small>	<b>M9000-402</b>	Replacement hardware for M9000-400 jackshaft mounting kit	1
 <small>(M9000_605.jpg)</small>	<b>M9000-605</b>	Ball joint for Ø 1/4 and Ø 5/16 in. rods, 5/16-24 x 33/64 in. thread mount	5
 <small>(M9220-605.tif)</small>	<b>M9220-605</b>	Ball joint for M8x1.25 threaded rod, M8x1.25 x 16.5 mm thread mount	5
<b>Valve Linkages</b>			
 <small>(M9000-518.tif)</small>	<b>M9000-519</b>	Ball valve linkage for spring return, 2-1/2 to 4 in. VG1000 flanged valves with 11 mm square stem	1
 <small>(M9000-531.tif)</small>	<b>M9000-530</b>	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
	<b>M9000-531</b>	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
	<b>M9000-533</b>	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
	<b>M9000-535</b>	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

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**Direct Mount Actuator Accessories (Continued)****M9220 Series Actuator Accessories (Part 4 of 4)**

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

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







**Direct Mount Actuator Accessories (Continued)**

**S9208 Series Actuator Accessories**















**S9208-BDC-33C**  
(S9208BDC33C.tif)

**S9208 Series Actuator Accessories**

	Code Number	Description	Qty
<b>Shaft Couplers / Position Indicators</b>			
 (S9208-608.tif)	<b>S9208-608</b>	8 mm square shaft adapter	5
 (S9208-610.tif)	<b>S9208-610</b>	10 mm square shaft adapter	5
<b>Mounting Brackets</b>			
 (M9000-604.tif)	<b>M9000-604</b>	Anti-rotation bracket	5
<b>Tools</b>			
 (M9208-604.tif)	<b>M9208-604</b>	Long manual crank, 2-13/16 in. (72 mm) crank radius	5
 (M9208-605.tif)	<b>M9208-605</b>	Short manual crank, 1-13/16 in. (47 mm) crank radius	5
<b>Miscellaneous</b>			
 (ST1.tif)	<b>ST1.72E</b>	Duct thermal fuse, 162°F (72°C)	1

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**Direct Mount Actuator Accessories (Continued)****Miscellaneous Accessories****Miscellaneous Accessories**

	Code Number	Description	Qty
<b>Transformers</b>			
 <small>(Y63T22.tif)</small>	Y63T22-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
 <small>(Y63T31.tif)</small>	Y63T31-0	Transformer, 50 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot/box mounting	1
 <small>(Y64T15.tif)</small>	Y64T15-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1
 <small>(Y64T21.tif)</small>	Y64T21-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
 <small>(Y64T22.tif)</small>	Y64T22-0	Transformer, 92 VA Class 2, 120/208/240 to 24 VAC 60 Hz, box mounting	1
 <small>(Y65A13.tif)</small>	Y65A13-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, foot mounting	1
 <small>(Y65A21.tif)</small>	Y65A21-0	Transformer, 40 VA Class 2, 120 to 24 VAC 60 Hz, box mounting	1
 <small>(Y65G13.tif)</small>	Y65G13-0	Transformer, 40 VA Class 2, 24 to 24 VAC 60 Hz isolation, foot mounting	1
 <small>(Y65S13.tif)</small>	Y65S13-0	Transformer, 40 VA Class 2, 208/240 to 24 VAC 60 Hz, foot mounting	1
 <small>(Y66T12.tif)</small>	Y66T12-0	Transformer, 75 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1
 <small>(Y66T13.tif)</small>	Y66T13-0	Transformer, 75 VA Class 2, 120/208/240 to 24 VAC 60 Hz, foot mounting	1
<b>Commissioning Tool</b>			
 <small>(M9000_200.jpg)</small>	M9000-200	Commissioning tool for all 24V M(S)9xxx and M2202 Series actuators	1

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