

M9000-700 Universal Ball Valve Linkage Kit

Description

The M9000-700 Universal Ball Valve Linkage Kit is designed specifically for field mounting Johnson Controls® VA(M)9203 and VA(M)9208 Series Spring Return and VA(M)9104 and VA(M)9310 Series Non-Spring Return Actuators to ball valves from various manufacturers in sizes from 1/2 inch to 2 inches.

These sturdy linkage kits provide easy and stable actuator mounting while preventing loading on the valve stem and stem seals, to ensure longer seal life.

Refer to the *M9000-700 Universal Ball Valve Linkage Kit Product Bulletin (LIT-12012960)* for important product application information.

Features

- Modular design of shaft and actuator allows universal use on ball valves of several manufacturers.
- Sturdy zinc-plated steel shaft and actuator provides exceptional strength and stability which ensures long life even at high torques from 1/2 inch up to two inches.
- Glass-reinforced thermoplastic resin spacer reduces temperature and condensation from the valve to the actuator.
- No special tools required to install which facilitates quick and easy installation.
- Tested for 100,000 full cycles which assures long time reliability on valves from 1/2 inch up to two inches.



M9000-700 Universal Ball Valve Linkage Kit (continued)

Selection Charts for Johnson Controls Actuators on Ball Valves

Table 1: Belimo B2 and B3 Series Ball Valves

Body Type	Body Size (inches)	Chrome Plated Brass Ball, Nickel Plated Stem	Stainless Steel Ball and Stem	High Temperature Ball Valves	Compatible JCI Actuator See note at foot of table	
Two-way	1/2"	B207B	B207	B215HT029	VA9203 Spring Return	M9203 Spring Return
		B208B	B208	B215HT046		
		B209B	B209	B215HT073	VA9208 Spring Return	M9208 Spring Return
		B210B	B210	B215HT116		
		B211B	B211	B215HT186	VA9104 Non Spring Return	M9104 Non Spring Return
		B212B	B212			
		B213B	B213		VA9310 Non Spring Return	M9310 Non Spring Return
		B214B	B214			
	3/4"	B215B	B215	B220HT290	VA9208 Spring Return	M9208 Spring Return
		B216B	B216	B220HT464		
		B217B	B217	B220HT731		
		B218B	B218	B220HT928		
Three-way	1/2"	B219B	B219	B220HT1320	VA9208 Spring Return	M9208 Spring Return
		B220B	B220			
		B221B	B221		VA9310 Non Spring Return	M9310 Non Spring Return
	1"		B222	B225HT464	VA9208 Spring Return	M9208 Spring Return
			B223	B225HT731		
			B224	B225HT1160		
			B225	B225HT1856		
	1 1/4"		B229	B225HT2800	VA9310 Non Spring Return	M9310 Non Spring Return
			B230			
Three-way	1/2"	B231	B231		VA9203 Spring Return	M9203 Spring Return
		B232	B232			
		B307B	B307		VA9208 Spring Return	M9208 Spring Return
		B308B	B308			
		B309B	B309		VA9104 Non Spring Return	M9104 Non Spring Return
		B310B	B310			
	3/4"	B310B	B310		VA9310 Non Spring Return	M9310 Non Spring Return
		B311B	B311			
		B312B	B312			
		B313B	B313			
Three-way	1/2"	B315B	B315		VA9208 Spring Return	M9208 Spring Return
	3/4"	B317B	B317		VA9310 Non Spring Return	M9310 Non Spring Return
		B318B	B318			
		B320B	B320			
		B321B	B321			
	1"		B322		VA9208 Spring Return	M9208 Spring Return
			B232			
	1"		B325		VA9310 Non Spring Return	M9310 Non Spring Return

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

For M9104 use M9000-551 transformation kit and for M9310, use M9310-500 transformation kit

For M9203 and M9208 use M9000-560 transformation kit

M9000-700 Universal Ball Valve Linkage Kit (continued)

Table 2: Bray Commercial ST Series

Body Size (Inches)	Two-way ST Series	Three-way ST Series	Compatible JCI Actuator	
			See note at foot of table	
½"	ST-05-2-004	ST-05-3-003	VA9208 Spring Return VA9310 Non Spring Return	M9208 Spring Return M9310 Non Spring Return
	ST-05-2-007	ST-05-3-006		
	ST-05-2-01	ST-05-3-01		
	ST-05-2-003	ST-05-3-02		
	ST-05-2-05	ST-05-3-04		
	ST-05-2-08	ST-05-3-08		
	ST-05-2-12			
¾"	ST-75-2-003	ST-75-3-004		
	ST-75-2-006	ST-75-3-007		
	ST-75-2-01	ST-75-3-01		
	ST-75-2-03	ST-75-3-02		
	ST-75-2-04	ST-75-3-04		
	ST-75-2-10	ST-75-3-13		
	ST-75-2-15			
1"	ST-1-2-004	ST-1-3-004		
	ST-1-2-009	ST-1-3-007		
	ST-1-2-15	ST-1-3-01		
	ST-1-2-26	ST-1-3-02		
	ST-1-2-44	ST-1-3-04		
	ST-1-2-54	ST-1-3-05		
		ST-1-3-09		
1 ¼"		ST-1-3-10		
		ST-1-3-15		
		ST-1-3-22		
		ST-1-3-31		
	ST-125-2-04	ST-125-3-04		
	ST-125-2-08	ST-125-3-08		
	ST-125-2-15	ST-125-3-09		
1 ½"	ST-125-2-37	ST-125-3-13		
	ST-125-2-41	ST-125-3-19		
	ST-125-2-102	ST-125-3-34		
	ST-150-2-23	ST-150-3-04		
	ST-150-2-41	ST-150-3-08		
	ST-150-2-74	ST-150-3-13		
	ST-150-2-171	ST-150-3-24		
2"		ST-150-3-32		
		ST-150-3-61		
	ST-2-2-41	ST-2-3-24		
	ST-2-2-57	ST-2-3-38		
	ST-2-2-71	ST-2-3-57		
	ST-2-2-100	ST-2-3-109		
	ST-2-2-210			
	ST-2-2-266			

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

Also for M9208 use M9000-560 transformation kit

For ST2 Series valves the M9000-700 Universal Ball Valve Linkage kit is not required

M9000-700 Universal Ball Valve Linkage Kit (continued)

Table 3: Griswold Controls Unimizer Series Valves

Body Type	Body Size (inches)	NPT Threaded, Std Stem & Ball	NPT Threaded, Stainless Steel Stem & Ball	BSPP Threaded, Std Stem & Ball	BSPP Threaded, Stainless Steel Stem & Ball	Lead Free, Std Stem & Ball	Lead Free Stainless Steel Stem & Ball	Compatible JCI Actuator See note at foot of table	
Two-way	1/2"	UR2A1FB	UR2A1FS	UR2A1BB	UR2A1BS	UR2A1LB	UR2A1LS	VA9203 Spring Return VA9208 Spring Return VA9104 Non-Spring Return VA9310 Non-Spring Return	M9203 Spring Return M9208 Spring Return M9104 Non-Spring Return M9310 Non-Spring Return
		UR2A2FB	UR2A2FS	UR2A2BB	UR2A2BS	UR2A2LB	UR2A2LS		
		UR2A3FB	UR2A3FS	UR2A3BB	UR2A3BS	UR2A3LB	UR2A3LS		
		UR2A4FB	UR2A4FS	UR2A4BB	UR2A4BS	UR2A4LB	UR2A4LS		
		UR2A5FB	UR2A5FS	UR2A5BB	UR2A5BS	UR2A5LB	UR2A5LS		
		UR2A6FB	UR2A6FS	UR2A6BB	UR2A6BS	UR2A6LB	UR2A6LS		
	3/4"	UR2B1FB	UR2B1FS	UR2B1BB	UR2B1BS	UR2B1LB	UR2B1LS		
		UR2B2FB	UR2B2FS	UR2B2BB	UR2B2BS	UR2B2LB	UR2B2LS		
		UR2B3FB	UR2B3FS	UR2B3BB	UR2B3BS	UR2B3LB	UR2B3LS		
		UR2B4FB	UR2B4FS	UR2B4BB	UR2B4BS	UR2B4LB	UR2B4LS		
		UR2B5FB	UR2B5FS	UR2B5BB	UR2B5BS	UR2B5LB	UR2B5LS		
		UR2B6FB	UR2B6FS	UR2B6BB	UR2B6BS	UR2B6LB	UR2B6LS		
	1"	UR2C1FB	UR2C1FS	UR2C1BB	UR2C1BS	UR2C1LB	UR2C1LS		
		UR2C2FB	UR2C2FS	UR2C2BB	UR2C2BS	UR2C2LB	UR2C2LS		
		UR2C3FB	UR2C3FS	UR2C3BB	UR2C3BS	UR2C3LB	UR2C3LS		
		UR2C4FB	UR2C4FS	UR2C4BB	UR2C4BS	UR2C4LB	UR2C4LS		
		UR2C5FB	UR2C5FS	UR2C5BB	UR2C5BS	UR2C5LB	UR2C5LS		
		UR2C6FB	UR2C6FS	UR2C6BB	UR2C6BS	UR2C6LB	UR2C6LS		
	1 1/4"	UR2D1FB	UR2D1FS	UR2D1BB	UR2D1BS	UR2D1LB	UR2D1LS		
		UR2D2FB	UR2D2FS	UR2D2BB	UR2D2BS	UR2D2LB	UR2D2LS		
		UR2D3FB	UR2D3FS	UR2D3BB	UR2D3BS	UR2D3LB	UR2D3LS		
		UR2D4FB	UR2D4FS	UR2D4BB	UR2D4BS	UR2D4LB	UR2D4LS		
		UR2D5FB	UR2D5FS	UR2D5BB	UR2D5BS	UR2D5LB	UR2D5LS		
		UR2D6FB	UR2D6FS	UR2D6BB	UR2D6BS	UR2D6LB	UR2D6LS		
	1 1/2"	UR2E1FB	UR2E1FS	UR2E1BB	UR2E1BS	UR2E1LB	UR2E1LS		
		UR2E2FB	UR2E2FS	UR2E2BB	UR2E2BS	UR2E2LB	UR2E2LS		
		UR2E3FB	UR2E3FS	UR2E3BB	UR2E3BS	UR2E3LB	UR2E3LS		
		UR2E4FB	UR2E4FS	UR2E4BB	UR2E4BS	UR2E4LB	UR2E4LS		
	2"	UR2E1FB	UR2E1FS	UR2E1BB	UR2E1BS	UR2E1LB	UR2E1LS		
		UR2E2FB	UR2E2FS	UR2E2BB	UR2E2BS	UR2E2LB	UR2E2LS		
		UR2E3FB	UR2E3FS	UR2E3BB	UR2E3BS	UR2E3LB	UR2E3LS		
		UR2E4FB	UR2E4FS	UR2E4BB	UR2E4BS	UR2E4LB	UR2E4LS		
		UR2E5FB	UR2E5FS	UR2E5BB	UR2E5BS	UR2E5LB	UR2E5LS		
	2"	UR2E6FB	UR2E6FS	UR2E6BB	UR2E6BS	UR2E6LB	UR2E6LS		
		UR2E7FB	UR2E7FS	UR2E7BB	UR2E7BS	UR2E7LB	UR2E7LS		

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

For M9104 use M9000-551 transformation kit and for M9310, use M9310-500 transformation kit

For M9203 and M9208 use M9000-560 transformation kit

M9000-700 Universal Ball Valve Linkage Kit (continued)

Table 4: Griswold Controls Unimizer Series Valves (continued)

Body Type	Body Size (inches)	NPT threaded, Std Stem & Ball	BSPP threaded, Std Stem & Ball	NPT threaded, New	BSP threaded, New	Compatible JCI Actuator See note at foot of table	
Three-way	½"	UR3AAFB	UR3AABB	3WRAAF	3WRAAB		
		UR3ABFB	UR3ABBB	3WRABF	3WRABB		
		UR3ACFB	UR3ACBB	3WRACF	3WRACB		
		UR3ADFB	UR3ADBB	3WRADF	3WRADB		
		UR3AEFB	UR3AEBB	3WRAEF	3WRAEB		
		UR3AFFB	UR3AFBB	3WRAFF	3WRAFB		
	¾"	UR3BAFB	UR3BABB	3WRBAF	3WRBAB		
		UR3BBFB	UR3BBBB	3WRBBF	3WRBBB		
		UR3BCFB	UR3BCBB	3WRBCF	3WRBCB		
		UR3BDFB	UR3BDBB	3WRBDF	3WRBDB		
		UR3BEFB	UR3BEBB	3WRBEF	3WRBEB		
		UR3BFFB	UR3BFBB	3WRBFF	3WRBFB		
	1"	UR3CAFB	UR3CABB				
		UR3CBFB	UR3CBBB				
		UR3CCFB	UR3CCBB				
		UR3CDFB	UR3CDBB				
		UR3CEFB	UR3CEBB				
		UR3CFFB	UR3CFBB				
		UR3CGFB	UR3CGBB				
		UR3CHFB	UR3CHBB				
		UR3CJFB	UR3CJBB				
		UR3CKFB	UR3CKBB				
	UR3CMFB	UR3CMBB					
	1 ¼"	UR3DAFB	UR3DABB				
		UR3DBFB	UR3DBBB				
		UR3DCFB	UR3DCBB				
		UR3DDFB	UR3DDBB				
		UR3DEFB	UR3DEBB				
		UR3DFFB	UR3DFBB				
	1 ½"	UR3DGFB	UR3DGBB				
UR3EAFB		UR3EABB					
UR3EBFB		UR3EBBB					
UR3ECFB		UR3ECBB					
UR3EDFB		UR3EDBB					
UR3EEFB	UR3EEBB						
2"	UR3EFFB	UR3EFBB					
	UR3FAFB	UR3FABB					
	UR3FBFB	UR3FBBB					
	UR3FCFB	UR3FCBB					
	UR3FDFB	UR3FDBB					
UR3FEFB	UR3FEBB						

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

For M9104 use M9000-551 transformation kit and for M9310, use M9310-500 transformation kit

For M9203 and M9208 use M9000-560 transformation kit

M9000-700 Universal Ball Valve Linkage Kit (continued)

Table 5: Honeywell VBN Series Valves

Body Type	Body Size (inches)	Plated Brass Trim, Standard Base	Plated Brass Trim, Low Profile	Plated Brass Trim, MN/MS DCA Actuator Bracket	Stainless Steel Trim, Standard Base	Stainless Steel Trim, Low Profile	Stainless Steel Trim, MN/MS DCA Actuator Bracket	Compatible JCI Actuator See note at foot of table	
Two-way	½"	VB2A000.38PA	VB2A000.38PL	VB2A000.38PX	VB2A000.38SA	VB2A000.38SL	VB2A000.38SX	VA9203 Spring Return VA9208 Spring Return VA9104 Non Spring Return VA9310 Non Spring Return	M9203 Spring Return M9208 Spring Return M9104 Non Spring Return M9310 Non Spring Return
		VB2A000.68PA	VB2A000.68PL	VB2A000.68PX	VB2A000.68SA	VB2A000.68SL	VB2A000.68SX		
		VB2A001.30PA	VB2A001.30PL	VB2A001.30PX	VB2A001.30SA	VB2A001.30SL	VB2A001.30SX		
		VB2A002.00PA	VB2A002.00PL	VB2A002.00PX	VB2A002.00SA	VB2A002.00SL	VB2A002.00SX		
		VB2A002.60PA	VB2A002.60PL	VB2A002.60PX	VB2A002.60SA	VB2A002.60SL	VB2A002.60SX		
		VB2A004.70PA	VB2A004.70PL	VB2A004.70PX	VB2A004.70SA	VB2A004.70SL	VB2A004.70SX		
		VB2A008.00PA	VB2A008.00PL	VB2A008.00PX	VB2A008.00SA	VB2A008.00SL	VB2A008.00SX		
		VB2A011.70PA	VB2A011.70PL	VB2A011.70PX	VB2A011.70SA	VB2A011.70SL	VB2A011.70SX		
	¾"	VB2N2000.31PA	VB2N2000.31PL	VB2N2000.31PX	VB2N2000.31SA	VB2N2000.31SL	VB2N2000.31SX		
		VB2N2000.63PA	VB2N2000.63PL	VB2N2000.63PX	VB2N2000.63SA	VB2N2000.63SL	VB2N2000.63SX		
		VB2N2001.20PA	VB2N2001.20PL	VB2N2001.20PX	VB2N2001.20SA	VB2N2001.20SL	VB2N2001.20SX		
		VB2N2002.50PA	VB2N2002.50PL	VB2N2002.50PX	VB2N2002.50SA	VB2N2002.50SL	VB2N2002.50SX		
		VB2N2B004.30PA	VB2N2B004.30PL	VB2N2B004.30PX	VB2N2B004.30SA	VB2N2B004.30SL	VB2N2B004.30SX		
		VB2N2B007.40PA	VB2N2B007.40PL	VB2N2B007.40PX	VB2N2B007.40SA	VB2N2B007.40SL	VB2N2B007.40SX		
		VB2N2B010.10PA	VB2N2B010.10PL	VB2N2B010.10PX	VB2N2B010.10SA	VB2N2B010.10SL	VB2N2B010.10SX		
		VB2N2B041.70PA	VB2N2B041.70PL	VB2N2B041.70PX	VB2N2B041.70SA	VB2N2B041.70SL	VB2N2B041.70SX		
	1"	VB2N2B029.00PA	VB2N2B029.00PL	VB2N2B029.00PX	VB2N2B029.00SA	VB2N2B029.00SL	VB2N2B029.00SX		
		VB2N2C004.40PA	VB2N2C004.40PL	VB2N2C004.40PX	VB2N2C004.40SA	VB2N2C004.40SL	VB2N2C004.40SX		
		VB2N2C009.00PA	VB2N2C009.00PL	VB2N2C009.00PX	VB2N2C009.00SA	VB2N2C009.00SL	VB2N2C009.00SX		
		VB2N2C015.30PA	VB2N2C015.30PL	VB2N2C015.30PX	VB2N2C015.30SA	VB2N2C015.30SL	VB2N2C015.30SX		
		VB2N2C026.00PA	VB2N2C026.00PL	VB2N2C026.00PX	VB2N2C026.00SA	VB2N2C026.00SL	VB2N2C026.00SX		
	1 ¼"	VB2N2C044.00PA	VB2N2C044.00PL	VB2N2C044.00PX	VB2N2C044.00SA	VB2N2C044.00SL	VB2N2C044.00SX		
		VB2N2C054.00PA	VB2N2C054.00PL	VB2N2C054.00PX	VB2N2C054.00SA	VB2N2C054.00SL	VB2N2C054.00SX		
		VB2N2D004.40PA	VB2N2D004.40PL	VB2N2D004.40PX	VB2N2D004.40SA	VB2N2D004.40SL	VB2N2D004.40SX		
		VB2N2D008.30PA	VB2N2D008.30PL	VB2N2D008.30PX	VB2N2D008.30SA	VB2N2D008.30SL	VB2N2D008.30SX		
		VB2N2D014.90PA	VB2N2D014.90PL	VB2N2D014.90PX	VB2N2D014.90SA	VB2N2D014.90SL	VB2N2D014.90SX		
	1 ½"	VB2N2D025.00PA	VB2N2D025.00PL	VB2N2D025.00PX	VB2N2D025.00SA	VB2N2D025.00SL	VB2N2D025.00SX		
		VB2N2D037.00PA	VB2N2D037.00PL	VB2N2D037.00PX	VB2N2D037.00SA	VB2N2D037.00SL	VB2N2D037.00SX		
		VB2N2D041.00PA	VB2N2D041.00PL	VB2N2D041.00PX	VB2N2D041.00SA	VB2N2D041.00SL	VB2N2D041.00SX		
		VB2N2D102.00PA	VB2N2D102.00PL	VB2N2D102.00PX	VB2N2D102.00SA	VB2N2D102.00SL	VB2N2D102.00SX		
	2"			VB2N2E023.00PX			VB2N2E023.00SX	VA9203 Spring Return VA9310 Non Spring Return	M9203 Spring Return M9310 Non Spring Return
				VB2N2E030.00PX			VB2N2E030.00SX		
				VB2N2E041.00PX			VB2N2E041.00SX		
				VB2N2E074.00PX			VB2N2E074.00SX		
	2"			VB2N2E172.00PX			VB2N2E172.00SX	VA9203 Spring Return VA9310 Non Spring Return	M9203 Spring Return M9310 Non Spring Return
				VB2N2F042.00PX			VB2N2F042.00SX		
				VB2N2F057.00PX			VB2N2F057.00SX		
				VB2N2F071.00PX			VB2N2F071.00SX		
				VB2N2F100.00PX			VB2N2F100.00SX		
	2"			VB2N2F108.00PX			VB2N2F108.00SX		
				VB2N2F201.00PX			VB2N2F201.00SX		
				VB2N2F266.00PX			VB2N2F266.00SX		

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

For M9104 use M9000-551 transformation kit and for M9310, use M9310-500 transformation kit

For M9203 and M9208 use M9000-560 transformation kit

M9000-700 Universal Ball Valve Linkage Kit (continued)

Table 6: Honeywell VBN Series Valves (continued)

Body Type	Body Size (inches)	Plated Brass Trim, Standard Base	Plated Brass Trim, Low Profile	Plated Brass Trim, MN/MS DCA Actuator Bracket	Compatible JCI Actuator See note at foot of table	
Three-way	1/2"	VBN3A000.33PA	VBN3A000.33PL	VBN3A000.33PX	VA9203 Spring Return	M9203 Spring Return
		VBN3A000.59PA	VBN3A000.59PL	VBN3A000.59PX		
		VBN3A001.00PA	VBN3A001.00PL	VBN3A001.00PX		
		VBN3A002.40PA	VBN3A002.40PL	VBN3A002.40PX		
		VBN3A004.30PA	VBN3A004.30PL	VBN3A004.30PX		
		VBN3A008.00PA	VBN3A008.00PL	VBN3A008.00PX		
	3/4"	VBN3B000.40PA	VBN3B000.40PL	VBN3B000.40PX		
		VBN3B000.66PA	VBN3B000.66PL	VBN3B000.66PX		
		VBN3B001.30PA	VBN3B001.30PL	VBN3B001.30PX		
		VBN3B002.40PA	VBN3B002.40PL	VBN3B002.40PX		
		VBN3B003.80PA	VBN3B003.80PL	VBN3B003.80PX		
		VBN3B007.00PA	VBN3B007.00PL	VBN3B007.00PX		
	1"	VBN3B011.00PA	VBN3B011.00PL	VBN3B011.00PX		
		VBN3C000.40PA	VBN3C000.40PL	VBN3C000.40PX	VA9208 Spring Return	M9208 Spring Return
		VBN3C000.65PA	VBN3C000.65PL	VBN3C000.65PX		
		VBN3C001.30PA	VBN3C001.30PL	VBN3C001.30PX		
		VBN3C002.30PA	VBN3C002.30PL	VBN3C002.30PX		
		VBN3C003.50PA	VBN3C003.50PL	VBN3C003.50PX		
		VBN3C004.50PA	VBN3C004.50PL	VBN3C004.50PX		
		VBN3C008.60PA	VBN3C008.60PL	VBN3C008.60PX		
		VBN3C014.90PA	VBN3C014.90PL	VBN3C014.90PX		
		VBN3C022.00PA	VBN3C022.00PL	VBN3C022.00PX		
		VBN3C031.00PA	VBN3C031.00PL	VBN3C031.00PX		
	1 1/4"	VBN3D004.10PA	VBN3D004.10PL	VBN3D004.10PX		
		VBN3D008.70PA	VBN3D008.70PL	VBN3D008.70PX		
		VBN3D012.70PA	VBN3D012.70PL	VBN3D012.70PX		
		VBN3D019.40PA	VBN3D019.40PL	VBN3D019.40PX		
		VBN3D027.00PA	VBN3D027.00PL	VBN3D027.00PX		
	1 1/2"	VBN3D034.00PA	VBN3D034.00PL	VBN3D034.00PX		
				VBN3E0004.00PX	VA9203 Spring Return	M9203 Spring Return
				VBN3E008.30PX		
				VBN3E013.40PX		
				VBN3E024.00PX		
	2"			VBN3E032.00PX	VA9310 Non Spring Return	M9310 Non Spring Return
				VBN3E061.00PX		
				VBN3F024.00PX		
				VBN3F038.00PX		
				VBN3F057.00PX		
				VBN3F083.00PX		
				VBN3F109.00PX		

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

For M9104 use M9000-551 transformation kit and for M9310, use M9310-500 transformation kit

For M9203 and M9208 use M9000-560 transformation kit

M9000-700 Universal Ball Valve Linkage Kit (continued)

Table 7: Siemens 599 Series Ball Valves

Body Size (inches)	Two-Way OLD Chrome- Plated Ball with Brass Stem	Two-Way Current Chrome- Plated Ball with Brass Stem	Two-Way Stainless Steel Ball and Stem	Three-Way OLD Chrome- Plated Ball with Brass Stem	Three-Way Current Chrome- Plated Ball with Brass Stem	Three-Way Stainless Steel Ball and Stem	Compatible JCI Actuator See note at foot of table	
1/2"	599-10203	599-10300	599-10300S	599-10250	599-10350	599-10350S	VA9208 Spring Return VA9310 Non Spring Return	M9208 Spring Return M9310 Non Spring Return
	599-10204	599-10301	599-10301S	599-10251	599-10351	599-10351S		
	599-10208	599-10302	599-10302S	599-102522	599-10352	599-10352S		
	599-10205	599-10303	599-10303S	599-10253	599-10353	599-10353S		
	599-10206	599-10304	599-10304S	599-10254	599-10354	599-10354S		
	599-10207	599-10305	599-10305S	599-10255	599-10355	599-10355S		
		599-10306	599-10306S		599-10356	599-10356S		
		599-10307	599-10307S		599-10357	599-10357S		
3/4"	599-10209	599-10308	599-10308S	599-10256	599-10358	599-10358S		
	599-10210	599-10309	599-10309S		599-10360	599-10360S		
		599-10310	599-10310S					
		599-10311	599-10311S					
1"	599-10211	599-10312	599-10312S	599-10257	599-10361	599-10361S		
	599-10212	599-10313	599-10313S	599-10258	599-10362	599-10362S		
	599-10213	599-10314	599-10314S	599-10259	599-10363	599-10363S		
	599-10214	599-10315	599-10315S					
1 1/4"		599-10316	599-10316S					
	599-10215	599-10317	599-10317S	599-10260	599-10364	599-10364S		
	599-10216	599-10318	599-10318S	599-10261	599-10365	599-10365S		
	599-10217	599-10319	599-10319S		599-10366	599-10366S		
		599-10320	599-10320S					
1 1/2"		599-10321	599-10321S					
	599-10218	599-10322	599-10322S	599-10262	599-10367	599-10367S		
	599-10219	599-10323	599-10323S	599-10263	599-10368	599-10368S		
	599-10220	599-10324	599-10324S	599-10264	599-10369	599-10369S		
	599-10221	599-10325	599-10325S					
2"		599-10326	599-10326S					
	599-10222	599-10327	599-10327S	599-10265	599-10370	599-10370S		
	599-10223	599-10328	599-10328S	599-10266	599-10371	599-10371S		
	599-10224	599-10329	599-10329S	599-10267	599-10372	599-10372S		
	599-10225	599-10330	599-10330S					

Note for VA9208 and M9208 use two field furnished #10-24 x 3 1/2" screws and two locking nuts #10-24

For M9208, use M9000-560 transformation kit and for M9310, use M9310-500 transformation kit

M9000-700 Universal Ball Valve Linkage Kit (continued)

Technical Specifications

Suitable Johnson Controls Actuators	VA9203 Series Spring Return Actuators VA9208 Series Spring Return Actuators VA9104 Series Non Spring Return Actuators VA9310 Series Non Spring Return Actuators
Suitable Valves	See relevant selection charts
Minimum Fluid Temperature Limits	-22°F (-30°C)
Maximum Fluid Temperature Limits	284°F (140°C)
Minimum Ambient Operating Temperature	-4°F (20°C)
Maximum Ambient Operating Temperature	140°F (60°C) 90% RH maximum, non-condensing
Minimum Ambient Storage Temperature	-40°F (-40°C)
Maximum Ambient Storage Temperature	185°F (85°C) 95% RH maximum, non-condensing
Material	Spacer: glass-reinforced thermoplastic resin Shaft: 12L15 steel zinc-plated Connector: 12L15 steel zinc-plated
Shipping Weight	0.4 lbs (0.2kg)