






## Three-Way **Globe** Valve Assemblies

ANSI Class 250  
Pneumatic Spring Return Actuators

- Brass and Stainless Steel Trim



Mixing 1/2 to 2"			Spring Return Actuator				
			4" 3-8 psi	4" 5-10 psi	4" 10-15 psi	8"	8" with Positioner
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv					
			599-01081	599-01082	599-01083	599-01050	599-01050 + 599-00426
			<b>Close-off psi — Brass Trim</b>				
599-03198	1/2	1	236 <b>268-03198</b>	236 <b>269-03198</b>	236 <b>270-03198</b>	250 <b>277-03198</b>	250 <b>283-03198</b>
599-03199		1.6	236 <b>268-03199</b>	236 <b>269-03199</b>	236 <b>270-03199</b>	250 <b>277-03199</b>	250 <b>283-03199</b>
599-03200		2.5	236 <b>268-03200</b>	236 <b>269-03200</b>	236 <b>270-03200</b>	250 <b>277-03200</b>	250 <b>283-03200</b>
599-03201		4	236 <b>268-03201</b>	236 <b>269-03201</b>	236 <b>270-03201</b>	250 <b>277-03201</b>	250 <b>283-03201</b>
599-03202	3/4	6.3	155 <b>268-03202</b>	155 <b>269-03202</b>	155 <b>270-03202</b>	250 <b>277-03202</b>	250 <b>283-03202</b>
599-03203	1	10	91 <b>268-03203</b>	91 <b>269-03203</b>	91 <b>270-03203</b>	250 <b>277-03203</b>	250 <b>283-03203</b>
599-03204	1-1/4	16	52 <b>268-03204</b>	52 <b>269-03204</b>	52 <b>270-03204</b>	148 <b>277-03204</b>	148 <b>283-03204</b>
599-03205	1-1/2	25	32 <b>268-03205</b>	32 <b>269-03205</b>	32 <b>270-03205</b>	92 <b>277-03205</b>	92 <b>283-03205</b>
599-03206	2	40	20 <b>268-03206</b>	20 <b>269-03206</b>	20 <b>270-03206</b>	55 <b>277-03206</b>	55 <b>283-03206</b>
			<b>Close-off psi — Stainless Steel Trim</b>				
599-03144	1/2	1	236 <b>268-03144</b>	236 <b>269-03144</b>	236 <b>270-03144</b>	250 <b>277-03144</b>	250 <b>283-03144</b>
599-03145		1.6	236 <b>268-03145</b>	236 <b>269-03145</b>	236 <b>270-03145</b>	250 <b>277-03145</b>	250 <b>283-03145</b>
599-03146		2.5	236 <b>268-03146</b>	236 <b>269-03146</b>	236 <b>270-03146</b>	250 <b>277-03146</b>	250 <b>283-03146</b>
599-03147		4	236 <b>268-03147</b>	236 <b>269-03147</b>	236 <b>270-03147</b>	250 <b>277-03147</b>	250 <b>283-03147</b>
599-03148	3/4	6.3	155 <b>268-03148</b>	155 <b>269-03148</b>	155 <b>270-03148</b>	250 <b>277-03148</b>	250 <b>283-03148</b>
599-03149	1	10	91 <b>268-03149</b>	91 <b>269-03149</b>	91 <b>270-03149</b>	250 <b>277-03149</b>	250 <b>283-03149</b>
599-03150	1-1/4	16	52 <b>268-03150</b>	52 <b>269-03150</b>	52 <b>270-03150</b>	148 <b>277-03150</b>	148 <b>283-03150</b>
599-03151	1-1/2	25	32 <b>268-03151</b>	32 <b>269-03151</b>	32 <b>270-03151</b>	92 <b>277-03151</b>	92 <b>283-03151</b>
599-03152	2	40	20 <b>268-03152</b>	20 <b>269-03152</b>	20 <b>270-03152</b>	55 <b>277-03152</b>	55 <b>283-03152</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Values in chart are for 0 psi supplied to the actuator.

Values are for the NC upper port. For NO lower port values, refer to Engineering, Section G.

Close-off values are for 15 psi signal for Normally Open and 0 psi signal for Normally Closed.

Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

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Valves




# Three-Way **Globe** Valve Assemblies

ANSI Class 250

Electronic Spring Return Actuators

- Brass and Stainless Steel Trim



Mixing 1/2 to 2"			Spring Return Actuator									
			Rack & Pinion 2P	Floating 3P	Rack & Pinion 0-10 Vdc	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA					
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-03611	 SKD82.51U	 599-03609	 SKD62U	 SKB62U					
			<b>Close-off psi — Brass Trim</b>									
599-03198	1/2	1	250	<b>299-03198</b>	250	<b>276-03198</b>	50	<b>298-03198</b>	250	<b>274-03198</b>	—	
599-03199		1.6	250	<b>299-03199</b>	250	<b>276-03199</b>	250	<b>298-03199</b>	250	<b>274-03199</b>	—	
599-03200		2.5	250	<b>299-03200</b>	250	<b>276-03200</b>	250	<b>298-03200</b>	250	<b>274-03200</b>	—	
599-03201		4	250	<b>299-03201</b>	250	<b>276-03201</b>	250	<b>298-03201</b>	250	<b>274-03201</b>	—	
599-03202	3/4	6.3	250	<b>299-03202</b>	250	<b>276-03202</b>	250	<b>298-03202</b>	250	<b>274-03202</b>	—	
599-03203	1	10	173	<b>299-03203</b>	203	<b>276-03203</b>	173	<b>298-03203</b>	203	<b>274-03203</b>	250	<b>291-03203</b>
599-03204	1-1/4	16	100	<b>299-03204</b>	117	<b>276-03204</b>	100	<b>298-03204</b>	117	<b>274-03204</b>	250	<b>291-03204</b>
599-03205	1-1/2	25	61	<b>299-03205</b>	73	<b>276-03205</b>	61	<b>298-03205</b>	73	<b>274-03205</b>	208	<b>291-03205</b>
599-03206	2	40	37	<b>299-03206</b>	44	<b>276-03206</b>	37	<b>298-03206</b>	44	<b>274-03206</b>	126	<b>291-03206</b>
			<b>Close-off psi — Stainless Steel Trim</b>									
599-03144	1/2	1	250	<b>299-03144</b>	250	<b>276-03144</b>	250	<b>298-03144</b>	250	<b>274-03144</b>	—	
599-03145		1.6	250	<b>299-03145</b>	250	<b>276-03145</b>	250	<b>298-03145</b>	250	<b>274-03145</b>	—	
599-03146		2.5	250	<b>299-03146</b>	250	<b>276-03146</b>	250	<b>298-03146</b>	250	<b>274-03146</b>	—	
599-03147		4	250	<b>299-03147</b>	250	<b>276-03147</b>	250	<b>298-03147</b>	250	<b>274-03147</b>	—	
599-03148	3/4	6.3	250	<b>299-03148</b>	250	<b>276-03148</b>	250	<b>298-03148</b>	250	<b>274-03148</b>	—	
599-03149	1	10	173	<b>299-03149</b>	203	<b>276-03149</b>	173	<b>298-03149</b>	203	<b>274-03149</b>	250	<b>291-03149</b>
599-03150	1-1/4	16	100	<b>299-03150</b>	117	<b>276-03150</b>	100	<b>298-03150</b>	117	<b>274-03150</b>	250	<b>291-03150</b>
599-03151	1-1/2	25	61	<b>299-03151</b>	73	<b>276-03151</b>	61	<b>298-03151</b>	73	<b>274-03151</b>	208	<b>291-03151</b>
599-03152	2	40	37	<b>299-03152</b>	44	<b>276-03152</b>	37	<b>298-03152</b>	44	<b>274-03152</b>	126	<b>291-03152</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Values in chart are for 0 psi supplied to the actuator.

Values are for the NC upper port. For NO lower port values, refer to Engineering, Section G.

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Valves







## Three-Way **Globe** Valve Assemblies

ANSI Class 250  
Electronic Non-Spring Return Actuators

- Brass and Stainless Steel Trim



Mixing 1/2 to 2"			Non-Spring Return Actuator			
			Floating 3P	Floating 3P	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 SAX81.03U	 SKD82.50U	 SAX61.03U	 SKD60U
			<b>Close-off psi — Brass Trim</b>			
599-03198	1/2	1	250 <b>373-03198</b>	250 <b>275-03198</b>	250 <b>371-03198</b>	250 <b>267-03198</b>
599-03199		1.6	250 <b>373-03199</b>	250 <b>275-03199</b>	250 <b>371-03199</b>	250 <b>267-03199</b>
599-03200		2.5	250 <b>373-03200</b>	250 <b>275-03200</b>	250 <b>371-03200</b>	250 <b>267-03200</b>
599-03201		4	250 <b>373-03201</b>	250 <b>275-03201</b>	250 <b>371-03201</b>	250 <b>267-03201</b>
599-03202	3/4	6.3	250 <b>373-03202</b>	250 <b>275-03202</b>	250 <b>371-03202</b>	250 <b>267-03202</b>
599-03203	1	10	159 <b>373-03203</b>	203 <b>275-03203</b>	159 <b>371-03203</b>	203 <b>267-03203</b>
599-03204	1-1/4	16	92 <b>373-03204</b>	117 <b>275-03204</b>	92 <b>371-03204</b>	117 <b>267-03204</b>
599-03205	1-1/2	25	57 <b>373-03205</b>	73 <b>275-03205</b>	57 <b>371-03205</b>	73 <b>267-03205</b>
599-03206	2	40	35 <b>373-03206</b>	44 <b>275-03206</b>	35 <b>371-03206</b>	44 <b>267-03206</b>
<b>Close-off psi — Stainless Steel Trim</b>						
599-03144	1/2	1	250 <b>373-03144</b>	250 <b>275-03144</b>	250 <b>371-03144</b>	250 <b>267-03144</b>
599-03145		1.6	250 <b>373-03145</b>	250 <b>275-03145</b>	250 <b>371-03145</b>	250 <b>267-03145</b>
599-03146		2.5	250 <b>373-03146</b>	250 <b>275-03146</b>	250 <b>371-03146</b>	250 <b>267-03146</b>
599-03147		4	250 <b>373-03147</b>	250 <b>275-03147</b>	250 <b>371-03147</b>	250 <b>267-03147</b>
599-03148	3/4	6.3	250 <b>373-03148</b>	250 <b>275-03148</b>	250 <b>371-03148</b>	250 <b>267-03148</b>
599-03149	1	10	159 <b>373-03149</b>	203 <b>275-03149</b>	159 <b>371-03149</b>	203 <b>267-03149</b>
599-03150	1-1/4	16	92 <b>373-03150</b>	117 <b>275-03150</b>	92 <b>371-03150</b>	117 <b>267-03150</b>
599-03151	1-1/2	25	57 <b>373-03151</b>	73 <b>275-03151</b>	57 <b>371-03151</b>	73 <b>267-03151</b>
599-03152	2	40	35 <b>373-03152</b>	44 <b>275-03152</b>	35 <b>371-03152</b>	44 <b>267-03152</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Values are for the NC upper port. For NO lower port values, refer to Engineering, Section G.

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Valves








# Three-Way Flanged **Globe** Valve Assemblies

ANSI Class 125

Pneumatic Spring Return Actuators

- Bronze and Stainless Steel Trim



Mixing Flanged 2-1/2 to 6" 			Spring Return Actuator					
			8" 20 mm Stroke	12" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01050	 599-01010	 599-01000	 599-01050 + 599-00426	 599-01010 + 599-00423	 599-01000 + 599-00423
			Close-off psi — Bronze					
599-06160	2-1/2	63	36 <b>277-06160</b>	114 <b>279-06160</b>	—	36 <b>283-06160</b>	114 <b>285-06160</b>	—
599-06161	3	100	23 <b>277-06161</b>	74 <b>279-06161</b>	—	23 <b>283-06161</b>	74 <b>285-06161</b>	—
599-06162	4	160	—	—	46 <b>281-06162</b>	—	—	46 <b>287-06162</b>
599-06163	5	250	—	—	29 <b>281-06163</b>	—	—	29 <b>287-06163</b>
599-06164	6	400	—	—	20 <b>281-06164</b>	—	—	20 <b>287-06164</b>
			Close-off psi — Stainless Steel Trim					
599-06165	2-1/2	63	36 <b>277-06165</b>	114 <b>279-06165</b>	—	36 <b>283-06165</b>	114 <b>285-06165</b>	—
599-06166	3	100	23 <b>277-06166</b>	74 <b>279-06166</b>	—	23 <b>283-06166</b>	74 <b>285-06166</b>	—
599-06167	4	160	—	—	46 <b>281-06167</b>	—	—	46 <b>287-06167</b>
599-06168	5	250	—	—	29 <b>281-06168</b>	—	—	29 <b>287-06168</b>
599-06169	6	400	—	—	20 <b>281-06169</b>	—	—	20 <b>287-06169</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Close-off values are for 15 psi signal for Normally Open and 0 psi signal for Normally Closed.

Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

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Valves








## Three-Way Flanged Globe Valve Assemblies

ANSI Class 125

Electronic Spring Return or Non-Spring Return Actuators

- Mixing
- Bronze and Stainless Steel Trim








Mixing Flanged 2-1/2 to 6" 			Spring Return Actuator					
			Floating 3P	Floating 3P	Floating 3P	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv						
			SKD82.51U	SKB82.51U	SKC82.61U	SKD62U	SKB62U	SKC62U
<b>Close-off psi — Bronze Trim</b>								
599-06160	2-1/2	63	34 <b>276-06160</b>	97 <b>289-06160</b>	—	34 <b>274-06160</b>	97 <b>291-06160</b>	—
599-06161	3	100	22 <b>276-06161</b>	63 <b>289-06161</b>	—	22 <b>274-06161</b>	63 <b>291-06161</b>	—
599-06162	4	160	—	—	39 <b>292-06162</b>	—	—	39 <b>294-06162</b>
599-06163	5	250	—	—	25 <b>292-06163</b>	—	—	25 <b>294-06163</b>
599-06164	6	400	—	—	17 <b>292-06164</b>	—	—	17 <b>294-06164</b>
<b>Close-off psi — Stainless Steel Trim</b>								
599-06165	2-1/2	63	34 <b>276-06165</b>	97 <b>289-06165</b>	—	34 <b>274-06165</b>	97 <b>291-06165</b>	—
599-06166	3	100	22 <b>276-06166</b>	63 <b>289-06166</b>	—	22 <b>274-06166</b>	63 <b>291-06166</b>	—
599-06167	4	160	—	—	39 <b>292-06167</b>	—	—	39 <b>294-06167</b>
599-06168	5	250	—	—	25 <b>292-06168</b>	—	—	25 <b>294-06168</b>
599-06169	6	400	—	—	17 <b>292-06169</b>	—	—	17 <b>294-06169</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Values are for the NC upper port. For NO lower port values, refer to Engineering Section G.

Mixing Flanged 2-1/2 to 6" 			Non-Spring Return Actuator			
			Floating 3P	Floating 3P	Floating 3P	0-10 Vdc 4-20 mA
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv				
			SKD82.50U	SKB82.50U	SKC82.60U	SKD60U
<b>Close-off psi — Bronze Trim</b>						
599-06160	2-1/2	63	34 <b>275-06160</b>	97 <b>290-06160</b>	—	34 <b>267-06160</b>
599-06161	3	100	22 <b>275-06161</b>	63 <b>290-06161</b>	—	22 <b>267-06161</b>
599-06162	4	160	—	—	39 <b>293-06162</b>	—
599-06163	5	250	—	—	25 <b>293-06163</b>	—
599-06164	6	400	—	—	17 <b>293-06164</b>	—
<b>Close-off psi — Stainless Steel Trim</b>						
599-06165	2-1/2	63	34 <b>275-06165</b>	97 <b>290-06165</b>	—	34 <b>267-06165</b>
599-06166	3	100	22 <b>275-06166</b>	63 <b>290-06166</b>	—	22 <b>267-06166</b>
599-06167	4	160	—	—	39 <b>293-06167</b>	—
599-06168	5	250	—	—	25 <b>293-06168</b>	—
599-06169	6	400	—	—	17 <b>293-06169</b>	—

**Table Notes:**

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values are for the NC upper port. For NO lower port values, refer to Engineering, Section G.

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Valves








# Three-Way Flanged **Globe** Valve Assemblies

ANSI Class 250

Pneumatic Spring Return Actuators

- Mixing
- Bronze and Stainless Steel Trim



Mixing Flanged 2-1/2 to 6" 			Spring Return Actuator					
			8" 20 mm Stroke	12" 20 mm Stroke	12" 40 mm Stroke	8" w/ Positioner 20 mm Stroke	12" w/ Positioner 20 mm Stroke	12" w/ Positioner 40 mm Stroke
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	 599-01050	 599-01010	 599-01000	 599-01050 + 599-00426	 599-01010 + 599-00423	 599-01000 + 599-00423
			<b>Close-off psi — Bronze Trim</b>					
599-06170	2-1/2	63	36 <b>277-06170</b>	114 <b>279-06170</b>	—	36 <b>283-06170</b>	114 <b>285-06170</b>	—
599-06171	3	100	23 <b>277-06171</b>	74 <b>279-06171</b>	—	23 <b>283-06171</b>	74 <b>285-06171</b>	—
599-06172	4	160	—	—	46 <b>281-06172</b>	—	—	46 <b>287-06172</b>
599-06173	5	250	—	—	29 <b>281-06173</b>	—	—	29 <b>287-06173</b>
599-06174	6	400	—	—	20 <b>281-06174</b>	—	—	20 <b>287-06174</b>
			<b>Close-off psi — Stainless Steel Trim</b>					
599-06175	2-1/2	63	36 <b>277-06175</b>	114 <b>279-06175</b>	—	36 <b>283-06175</b>	114 <b>285-06175</b>	—
599-06176	3	100	23 <b>277-06176</b>	74 <b>279-06176</b>	—	23 <b>283-06176</b>	74 <b>285-06176</b>	—
599-06177	4	160	—	—	46 <b>281-06177</b>	—	—	46 <b>287-06177</b>
599-06178	5	250	—	—	29 <b>281-06178</b>	—	—	29 <b>287-06178</b>
599-06179	6	400	—	—	20 <b>281-06179</b>	—	—	20 <b>287-06179</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Close-off valves are for 15 psi signal to NO and 0 psi NC.

Close-off valves for NO valves with positioner may be substantially higher based on line supply pressure.

Values are for the NC upper port. For NO lower port values, refer to Engineering, Section G.

A-54

Valves








## Three-Way Flanged Globe Valve Assemblies

ANSI Class 250

Electronic Spring Return or Non-Spring Return Actuators






- Mixing
- Bronze and Stainless Steel Trim



Mixing Flanged 2-1/2 to 6" 			Spring Return Actuator					
			Floating 3P	Floating 3P	Floating 3P	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA	0-10 Vdc 4-20 mA
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv						
			SKD82.51U	SKB82.51U	SKC82.61U	SKD62U	SKB62U	SKC62U
<b>Close-off psi — Bronze Trim</b>								
599-06170	2-1/2	63	34 <b>276-06170</b>	97 <b>289-06170</b>	—	34 <b>274-06170</b>	97 <b>291-06170</b>	—
599-06171	3	100	22 <b>276-06171</b>	63 <b>289-06171</b>	—	22 <b>274-06171</b>	63 <b>291-06171</b>	—
599-06172	4	160	—	—	39 <b>292-06172</b>	—	—	39 <b>294-06172</b>
599-06173	5	250	—	—	25 <b>292-06173</b>	—	—	25 <b>294-06173</b>
599-06174	6	400	—	—	17 <b>292-06174</b>	—	—	17 <b>294-06174</b>
<b>Close-off psi — Stainless Steel Trim</b>								
599-06175	2-1/2	63	34 <b>276-06175</b>	97 <b>289-06175</b>	—	34 <b>274-06175</b>	97 <b>291-06175</b>	—
599-06176	3	100	22 <b>276-06176</b>	63 <b>289-06176</b>	—	22 <b>274-06176</b>	63 <b>291-06176</b>	—
599-06177	4	160	—	—	39 <b>292-06177</b>	—	—	39 <b>294-06177</b>
599-06178	5	250	—	—	25 <b>292-06178</b>	—	—	25 <b>294-06178</b>
599-06179	6	400	—	—	17 <b>292-06179</b>	—	—	17 <b>294-06179</b>

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi.

Mixing Flanged 2-1/2 to 6" 			Non-Spring Return Actuator			
			Floating 3P	Floating 3P	Floating 3P	0-10 Vdc 4-20 mA
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv				 <b>NEW!</b>
			SKD82.50U	SKB82.50U	SKC82.60U	SKD60U
<b>Close-off psi — Bronze Trim</b>						
599-06170	2-1/2	63	34 <b>275-06170</b>	97 <b>290-06170</b>	—	34 <b>267-06170</b>
599-06171	3	100	22 <b>275-06171</b>	63 <b>290-06171</b>	—	22 <b>267-06171</b>
599-06172	4	160	—	—	39 <b>293-06172</b>	—
599-06173	5	250	—	—	25 <b>293-06173</b>	—
599-06174	6	400	—	—	17 <b>293-06174</b>	—
<b>Close-off psi — Stainless Steel Trim</b>						
599-06175	2-1/2	63	34 <b>275-06175</b>	97 <b>290-06175</b>	—	34 <b>267-06175</b>
599-06176	3	100	22 <b>275-06176</b>	63 <b>290-06176</b>	—	22 <b>267-06176</b>
599-06177	4	160	—	—	39 <b>293-06177</b>	—
599-06178	5	250	—	—	25 <b>293-06178</b>	—
599-06179	6	400	—	—	17 <b>293-06179</b>	—

**Table Notes:**

Part numbers in red indicate complete assemblies.

Black numbers indicate close-off psi.

Values are for the NC upper port. For NO lower port values, refer to Engineering, Section G.