G7...(S) 3-way Mixing Flanged Globe Valve, Bronze or Stainless Steel Trim









	G7	G7S				
Service	chilled or hot water,	chilled or hot water,				
OEI VICE	60% glycol	60% glycol				
Flow characteristic	00 /6 glycol	linear				
Action	otom u					
Sizes		stem up - open B to AB 21/2" to 6"				
		=/= ===				
End fitting	123	125 lb. flanged				
Materials						
Body	iron	iron				
Seat	bronze	stainless steel				
Stem	stainless steel	stainless steel				
Plug	bronze	stainless steel				
Packing	NLP (no lip packing)	TFE V-ring				
ANSI class	1	ANSI 125				
Leakage	Class III					
Max inlet						
Water	150 psi (1034kPa)	150 psi (1034kPa)				
	@ 250°F	@ 250°F				
Media temperature						
Water .	32°F to 350°F	32°F to 350°F				
	(0°C to 176°C)	(0°C to 176°C)				
Maximum ΛP*	(* * * * * * * * * * * * * * * * * * *	(* * * * * * * * * * * * * * * * * * *				
Water	25 psi (172kPa)	50 psi (340kPa)				
Rangeability	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	50:1				
Valve weights	G765(S)	64 lbs				
	G780(S)	83 lbs				
	G7100(S)	139 lbs				
	G7125(S)	157 lbs				
	G7150(S)	202 lbs				

^{*(50%} or more open)

G7...(S) 3-way Flow Patterns AB B A AB B

Flow Pattern is marked on valve.

Stem Up = Open B to AB

Application

This valve is typically used in Large Air Handling Units on heating or cooling coils. This valve is suitable for use in a hydronic system with variable flow.

Valve Nominal Size		Valve Nominal Size	Туре	Suitable Actuators				
	Cv	Inches	3-way Flanged	Non-S	Spring	S	oring	Electronic Fail-Safe
	68	2½	G765(S)	NVG		Ą	2	(y)
	91	3	G780(S)		i i	<	불절	Signal Signal
	190	4	G7100(S)		S		7 65	Ø
	280	5	G7125(S)		3			
	340	6	G7150(S)					

Dimensions MELES 98910

	Valve Nominal Size		Dimensions (Inches [mm])		
Valve Body	Inches	DN [mm]	Α	В	
G765(S)	2½"	[65]	9.00" [229]	7.12" [181]	
G780(S)	3"	[80]	10.00" [254]	8.00" [203]	
G7100(S)	4"	[100]	13.00" [330]	9.87" [251]	
G7125(S)	5"	[125]	15.75" [400]	9.25" [235]	
G7150(S)	6"	[150]	17.75" [451]	9.87" [251]	

Pipin

The valves should be mounted in a weather-protected area in a location that is within the ambient limits of the actuator. Allow sufficient room for valve with actuator and for service. For the NV Series, allow 6" for cover removal and 12" for complete actuator removal. The G6/G7 preferred mounting position of the valve is with the valve stem vertical above the valve body, for maximum life. However, the assemblies can be mounted with valve stem vertical above the valve or up to 45 degrees in relation to the horizontal pipe. The actuators should never be mounted underneath the valve, as condensation can build up and result in a failure of the actuators. Do not reverse flow direction.