



VG2000 Electric Flange Valve Assembly



M9000 SERIES SPRING RETURN WITHOUT SWITCHES

Valve

- Provides control of chilled water, hot water, or steam
- May be used with 50% glycol solutions
- ASME 125 flange – per ASME B16.1
- Class 3 leakage – 0.1% of maximum flow
- 175 psig static pressure rating – water temperatures 35 to 150°F; decreasing to 125 psig at 281°F
- Fluid temperature rating: 35 to 281°F (2 to 138°C)
- Steam pressure rating 35 psig

- Packing – EPT ring packs, field replaceable
- Cast iron body
- Bronze trim – field replaceable
- Stainless steel stem

Actuator

- Factory or field mounted
- 24 VAC 50/60 Hz or 24 VDC, 14 VA
- Ambient temperature rating -40 to 131°F (-40 to 55°C)

M9000 SERIES SPRING RETURN VALVE ASSEMBLY

VALVE	SIZE IN.	Cv	CLOSEOFF PSIG	FLOATING WITHOUT SWITCHES	ON / OFF WITH 2 SWITCHES	0 TO 10 VDC PROPORTIONAL WITHOUT SWITCHES
				M9220-AGA-3	M9220-BGA-3	M9220-GGA-3
TWO-WAY – SPRING RETURN NORMALLY OPEN – VALVE STEM UP						
VG2231TM	2-1/2	51	76	VG2231TM+92NAGA	VG2231TM+92NBGA	VG2231TM+92NGGA
VG2231UM	3	83	33	VG2231UM+92NAGA	VG2231UM+92NBGA	VG2231UM+92NGGA
VG2231UM	3	83	66	VG2231UM292NAGA*	VG2231UM292NBGA*	VG2231UM292NGGA*
VG2231VM	4	150	37	VG2231VM292NAGA*	VG2231VM292NBGA*	VG2231VM292NGGA*
VG2231WN	5	240	20	VG2231WN292NAGA*	VG2231WN292NBGA*	VG2231WN292NGGA*
TWO-WAY – SPRING RETURN NORMALLY CLOSED – VALVE STEM DOWN						
VG2231TM	2-1/2	51	76	VG2231TM+94NAGA	VG2231TM+94NBGA	VG2231TM+94NGGA
VG2231UM	3	83	33	VG2231UM+94NAGA	VG2231UM+94NBGA	VG2231UM+94NGGA
VG2231UM	3	83	66	VG2231UM294NAGA*	VG2231UM294NBGA*	VG2231UM294NGGA*
VG2231VM	4	150	37	VG2231VM294NAGA*	VG2231VM294NBGA*	VG2231VM294NGGA*
VG2231WN	5	240	20	VG2231WN294NAGA*	VG2231WN294NBGA*	VG2231WN294NGGA*
THREE-WAY MIXING – SPRING RETURN – VALVE STEM UP						
VG2831TM	2-1/2	54	45	VG2831TM+92NAGA	VG2831TM+92NBGA	VG2831TM+92NGGA
VG2831UM	3	80	20	VG2831UM+92NAGA	VG2831UM+92NBGA	VG2831UM+92NGGA
VG2831UM	3	80	40	VG2831UM292NAGA*	VG2831UM292NBGA*	VG2831UM292NGGA*
VG2831VM	4	157	11	VG2831VM+92NAGA	VG2831VM+92NBGA	VG2831VM+92NGGA
VG2831VM	4	157	22	VG2831VM292NAGA*	VG2831VM292NBGA*	VG2831VM292NGGA*
VG2831WN	5	238	12	VG2831WN292NAGA*	VG2831WN292NBGA*	VG2831WN292NGGA*
VG2831YN	6	347	7	VG2831YN292NAGA*	VG2831YN292NBGA*	VG2831YN292NGGA*
THREE-WAY MIXING – SPRING RETURN – VALVE STEM DOWN						
VG2831TM	2-1/2	54	45	VG2831TM+94NAGA	VG2831TM+94NBGA	VG2831TM+94NGGA
VG2831UM	3	80	20	VG2831UM+94NAGA	VG2831UM+94NBGA	VG2831UM+94NGGA
VG2831UM	3	80	40	VG2831UM294NAGA*	VG2831UM294NBGA*	VG2831UM294NGGA*
VG2831VM	4	157	11	VG2831VM+94NAGA	VG2831VM+94NBGA	VG2831VM+94NGGA
VG2831VM	4	157	22	VG2831VM294NAGA*	VG2831VM294NBGA*	VG2831VM294NGGA*
VG2831WN	5	238	12	VG2831WN294NAGA*	VG2831WN294NBGA*	VG2831WN294NGGA*
VG2831YN	6	347	7	VG2831YN294NAGA*	VG2831YN294NBGA*	VG2831YN294NGGA*

* Valve assemblies have two actuators mounted in tandem. For additional information, refer to Product Bulletin LIT-977133.



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VG2231UM	3	83	33	VG2231UM+92NAGC	VG2231UM+92NBGC	VG2231UM+92NGGC
VG2231UM	3	83	66	VG2231UM292NAGC*	VG2231UM292NBGC*	VG2231UM292NGGC*
VG2231VM	4	150	37	VG2231VM292NAGC*	VG2231VM292NBGC*	VG2231VM292NGGC*
VG2231WN	5	240	20	VG2231WN292NAGC*	VG2231WN292NBGC*	VG2231WN292NGGC*
TWO-WAY – SPRING RETURN NORMALLY CLOSED – VALVE STEM DOWN						
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VG2831UM	3	80	40	VG2831UM292NAGC*	VG2831UM292NBGC*	VG2831UM292NGGC*
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VG2831VM	4	157	22	VG2831VM292NAGC*	VG2831VM292NBGC*	VG2831VM292NGGC*
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VG2831YN	6	347	7	VG2831YN294NAGC*	VG2831YN294NBGC*	VG2831YN294NGGC*

* Valve assemblies have two actuators mounted in tandem. On tandem actuator assemblies, only one actuator is provided with auxiliary switches. For additional information, refer to Product Bulletin LIT-977133.