

Cartridge Cage Valves



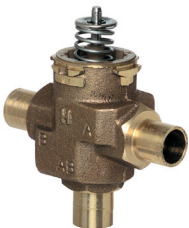
		Non-Fail Safe						
Actuator O.S. Number		VC6834ZZ11	VC6934ZZ11	VC7934ZZ11	VC4011ZZ11	VC4013ZZ11	VC8114ZZ11	VC8714ZZ11
Power Supply	Voltage	24 Vac	24 Vac	24 Vac	100-130 Vac	200-240 Vac	24 Vac	24 Vac
	Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	60 Hz	60 Hz
	Power	6 VA	6 VA	6 VA	6 VA	6 VA	6 VA	6 VA
Control	2-10 Vdc			•				
	4-20 mA (external 500 Ohm resistor)			•				
	Floating	•	•					
	2-Position SPDT	•	•					
	2-Position SPST				•	•	•	•
	Pulse Width Modulation							
Aux Switch	SPDT Class II	2.2 A						2.2 A
Fail Safe Action		Stay in Place	Stay in Place	Stay in Place	Stay in Place	Stay in Place	Stay in Place	Stay in Place
Reversible Operation	Wiring Change	•	•					
	DIP Switch							
Stroke Timing	Seconds @ 60 Hz (Drive)	120	120	120	6	6	6	6
	Fail Safe							
Electrical Connection	Cable length, in.	60	60	60	39.4	39.4	60	60
	Plenum-rated cable	•	•	•			•	•
	1/2 in. flexible conduit adapter	•	•	•			•	•

Valve Size (inches)	Connection Type	Flow Capacity (Cv)	Flow Characteristic	Valve O.S. Number									
1/2"	f NPT	0.7	Modified Equal %	VCZBB3500	VCZBB3500	VCZBB3500							
	Sweat	0.7		VCZAA3500	VCZAA3500	VCZAA3500							
	f NPT	1.3		VCZBB3600	VCZBB3600	VCZBB3600							
	Sweat	1.3		VCZAA3600	VCZAA3600	VCZAA3600							
	Sweat	1.9		VCZAA3800	VCZAA3800	VCZAA3800							
	f NPT	1.9		VCZBB3800	VCZBB3800	VCZBB3800							
	Sweat	2.3		VCZAA3400	VCZAA3400	VCZAA3400							
	f NPT	2.3		VCZBB3400	VCZBB3400	VCZBB3400							
	f NPT	3.5	Linear	VCZBB3100	VCZBB3100	VCZBB3100	VCZBB1100	VCZBB1100	VCZBB1100	VCZBB1100	VCZBB1100	VCZBB1100	VCZBB1100
	Sweat	3.5	Linear	VCZAA3100	VCZAA3100	VCZAA3100	VCZAA1100	VCZAA1100	VCZAA1100	VCZAA1100	VCZAA1100	VCZAA1100	
	3/4"	f NPT	3.9	Modified Equal %	VCZAL3400	VCZAL3400	VCZAL3400						
		Sweat	3.9	Modified Equal %	VCZAM3400	VCZAM3400	VCZAM3400						
		f NPT	4.7	Linear	VCZAL3100	VCZAL3100	VCZAL3100	VCZAL1100	VCZAL1100	VCZAL1100	VCZAL1100	VCZAL1100	
		Sweat	4.7	Linear	VCZAM3100	VCZAM3100	VCZAM3100	VCZAM1100	VCZAM1100	VCZAM1100	VCZAM1100	VCZAM1100	
1"	f NPT	4.2	Modified Equal %	VCZAR3400	VCZAR3400	VCZAR3400							
	Sweat	4.2	Modified Equal %	VCZAS3400	VCZAS3400	VCZAS3400							
	f NPT	6.6	Linear	VCZAR3100	VCZAR3100	VCZAR3100	VCZAR1100	VCZAR1100	VCZAR1100	VCZAR1100	VCZAR1100		
	Sweat	6.6		VCZAS3100	VCZAS3100	VCZAS3100	VCZAS1100	VCZAS1100	VCZAS1100	VCZAS1100	VCZAS1100		
1-1/4"	f NPT	7	Linear	VCZBD3100	VCZBD3100	VCZBD3100	VCZBD1100	VCZBD1100	VCZBD1100	VCZBD1100	VCZBD1100		
	Sweat	7		VCZBE3100	VCZBE3100	VCZBE3100	VCZBE1100	VCZBE1100	VCZBE1100	VCZBE1100	VCZBE1100		

Valve Size (inches)	Connection Type	Flow Capacity (Cv)	Flow Characteristic	Valve O.S. Number								
1/2"	f NPT	0.7	Modified Equal %	VCZNB7500	VCZNB7500	VCZNB7500						
	Sweat	0.7		VCZMA7500	VCZMA7500	VCZMA7500						
	f NPT	1.5		VCZNB7600	VCZNB7600	VCZNB7600						
	Sweat	1.5		VCZMA7600	VCZMA7600	VCZMA7600						
	f NPT	1.5		VCZNB7800	VCZNB7800	VCZNB7800						
	Sweat	1.5		VCZMA7800	VCZMA7800	VCZMA7800						
	f NPT	2.7		VCZNB7400	VCZNB7400	VCZNB7400						
	Sweat	2.7		VCZMA7400	VCZMA7400	VCZMA7400						
	f NPT	3.7	Linear	VCZNB7100	VCZNB7100	VCZNB7100	VCZNB6100	VCZNB6100	VCZNB6100	VCZNB6100	VCZNB6100	
	Sweat	3.7	Linear	VCZMA7100	VCZMA7100	VCZMA7100	VCZMA6100	VCZMA6100	VCZMA6100	VCZMA6100	VCZMA6100	
	3/4"	f NPT	4.2	Modified Equal %	VCZMK7400	VCZMK7400	VCZMK7400					
		Sweat	4.2	Modified Equal %	VCZML7400	VCZML7400	VCZML7400					
		f NPT	6.6	Linear	VCZMK7100	VCZMK7100	VCZMK7100	VCZMK6100	VCZMK6100	VCZMK6100	VCZMK6100	VCZMK6100
		Sweat	6.6		VCZML7100	VCZML7100	VCZML7100	VCZML6100	VCZML6100	VCZML6100	VCZML6100	
1"	f NPT	8.3	Linear	VCZMR7100	VCZMR7100	VCZMR7100	VCZMR6100	VCZMR6100	VCZMR6100	VCZMR6100		
	Sweat	8.3		VCZMS7100	VCZMS7100	VCZMS7100	VCZMS6100	VCZMS6100	VCZMS6100	VCZMS6100		
1-1/4"	f NPT	9	Linear	VCZND7100	VCZND7100	VCZND7100	VCZND6100	VCZND6100	VCZND6100	VCZND6100		
	Sweat	9		VCZNE7100	VCZNE7100	VCZNE7100	VCZNE6100	VCZNE6100	VCZNE6100	VCZNE6100		



2-Way



3-Way Mixing/ Diverting

Cartridge Cage Valves



		Fail Safe	
Actuator O.S. Number		VC6936ZZ11-530	VC7936ZZ11-529
Power Supply	Voltage	24 Vac	24 Vac
	Frequency	50/60 Hz	50/60 Hz
	Power	12 VA	12 VA
Control	2-10 Vdc		•
	4-20 mA (external 500 Ohm resistor)		•
	Floating	•	•
	2-Position SPDT	•	•
	2-Position SPST		•
	Pulse Width Modulation	•	•
Aux Switch	SPDT Class II		
Fail Safe Action		Electronic NO/NC	Electronic NO/NC
Reversible Operation	Wiring Change	•	•
	DIP Switch		•
Stroke Timing	Seconds @ 60 Hz (Drive)	120	60 / 120
	Fail Safe	12	12
Electrical Connection	Cable length, in.	60	60
	Plenum-rated cable	•	•
	1/2 in. flexible conduit adapter	•	•



Honeywell's Cartridge Cage Valves feature a field replaceable cartridge for all working parts

Valve Size (inches)	Connection Type	Flow Capacity (Cv)	Flow Characteristic	Y-pack O.S. Number		Replacement Cartridge Floating / Modulating	Replacement Cartridge Electronic Fail Safe	
2-Way	1/2"	f NPT 0.7	Modified Equal %	VC6936BB1500	VC7936BB1500	VCZZ3500	VCZZ1500	
		Sweat 0.7		VC6936AA1500	VC7936AA1500	VCZZ3500	VCZZ1500	
		f NPT 1.3		VC6936BB1600	VC7936BB1600	VCZZ3600	VCZZ1600	
		Sweat 1.3		VC6936AA1600	VC7936AA1600	VCZZ3600	VCZZ1600	
		Sweat 1.9		VC6936AA1800	VC7936AA1800	VCZZ3800	VCZZ1800	
		f NPT 1.9		VC6936BB1800	VC7936BB1800	VCZZ3800	VCZZ1800	
	3/4"	Sweat 2.3	Modified Equal %	VC6936AA1400	VC7936AA1400	VCZZ3400	VCZZ1400	
				f NPT 2.3	VC6936BB1400	VC7936BB1400	VCZZ3400	VCZZ1400
		f NPT 3.5	Linear	VC6936BB1100	VC7936BB1100	VCZZ3100	VCZZ1100*	
		Sweat 3.5	Linear	VC6936AA1100	VC7936AA1100	VCZZ3100	VCZZ1100*	
		f NPT 3.9	Modified Equal %	VC6936AL1400	VC7936AL1400	VCZZ3400	VCZZ1400	
		Sweat 3.9	Modified Equal %	VC6936AM1400	VC7936AM1400	VCZZ3400	VCZZ1400	
		f NPT 4.7	Linear	VC6936AL1100	VC7936AL1100	VCZZ3100	VCZZ1100*	
		Sweat 4.7	Linear	VC6936AM1100	VC7936AM1100	VCZZ3100	VCZZ1100*	
1"	f NPT 4.2	Modified Equal %	VC6936AR1400	VC7936AR1400	VCZZ3400	VCZZ1400		
	Sweat 4.2	Modified Equal %	VC6936AS1400	VC7936AS1400	VCZZ3400	VCZZ1400		
	f NPT 6.6	Linear	VC6936AR1100	VC7936AR1100	VCZZ3100	VCZZ1100*		
	Sweat 6.6		VC6936AS1100	VC7936AS1100	VCZZ3100	VCZZ1100*		
1-1/4"	f NPT 7	Linear	VC6936BD1100	VC7936BD1100	VCZZ3100	VCZZ1100*		
	Sweat 7		VC6936BE1100	VC7936BE1100	VCZZ3100	VCZZ1100*		
3-Way Mixing / Diverting	1/2"	f NPT 0.7	Modified Equal %	VC6936NB6500	VC7936NB6500	VCZZ7500	VCZZ6500	
		Sweat 0.7		VC6936MA6500	VC7936MA6500	VCZZ7500	VCZZ6500	
		f NPT 1.5		VC6936NB6600	VC7936NB6600	VCZZ7600	VCZZ6600	
		Sweat 1.5		VC6936MA6600	VC7936MA6600	VCZZ7600	VCZZ6600	
		f NPT 1.5		VC6936NB6800	VC7936NB6800	VCZZ7800	VCZZ6800	
		Sweat 1.5		VC6936MA6800	VC7936MA6800	VCZZ7800	VCZZ6800	
		f NPT 2.7		VC6936NB6400	VC7936NB6400	VCZZ7400	VCZZ6400	
		Sweat 2.7		VC6936MA6400	VC7936MA6400	VCZZ7400	VCZZ6400	
		f NPT 3.7		Linear	VC6936NB6100	VC7936NB6100	VCZZ7100	VCZZ6100*
		Sweat 3.7		Linear	VC6936MA6100	VC7936MA6100	VCZZ7100	VCZZ6100*
	3/4"	f NPT 4.2	Modified Equal %	VC6936MK6400	VC7936MK6400	VCZZ7400	VCZZ6400	
		Sweat 4.2	Modified Equal %	VC6936ML6400	VC7936ML6400	VCZZ7400	VCZZ6400	
		f NPT 6.6	Linear	VC6936MK6100	VC7936MK6100	VCZZ7100	VCZZ6100*	
		Sweat 6.6		VC6936ML6100	VC7936ML6100	VCZZ7100	VCZZ6100*	
		f NPT 8.3	Linear	VC6936MR6100	VC7936MR6100	VCZZ7100	VCZZ6100*	
		Sweat 8.3		VC6936MS6100	VC7936MS6100	VCZZ7100	VCZZ6100*	
	1-1/4"	f NPT 9	Linear	VC6936ND6100	VC7936ND6100	VCZZ7100	VCZZ6100*	
		Sweat 9		VC6936NE6100	VC7936NE6100	VCZZ7100	VCZZ6100*	

* Also applies to 2-position valve-actuator applications