

## Valve Cross-Reference FOR THREADED GLOBE VALVES

### CROSS REFERENCE

The charts in this Valve Cross-Reference provide Valve Size and  $C_v$  rating to detail the main differences of the valves. Consider all differences between the original valve and the selected replacement valve when making your selection.

NOTE: There are often several approaches to replacing a valve because not all cross-referenced valves match exactly. However, the final replacement valve choice is the purchaser's decision. Verify all valve specifications of each cross-reference to ensure the correct valve choice for the application.

### JOHNSON TO HONEYWELL

#### Three-way Mixing Valves

Size (NPT)	Original Valve		Replacement Valve	
	$C_v$	Johnson Model	$C_v$	Honeywell Model
1/2	0.73	VG7842CT	–	no direct repl.
	1.8	VG7842ET	2.9	V5013N1030
	4.6	VG7842GT	4.7	V5013N1048
3/4	7.3	VG7842LT	7.3	V5013N1055
1	11.6	VG7842NT	11.7	V5013N1063
1-1/4	18.5	VG7842PT	18.7	V5013N1071
1-1/2	28.9	VG7842RT	29.3	V5013N1089
2	46.2	VG7842ST	46.8	V5013N1097

Size (NPT)	Original Valve		Replacement Valve	
	$C_v$	Johnson Model	$C_v$	Honeywell Model
1/2	0.73	VG7844CT	–	no direct repl.
	1.8	VG7844ET	2.9	V5013N1030
	4.6	VG7844GT	4.7	V5013N1048
3/4	7.3	VG7844LT	7.3	V5013N1055
1	11.6	VG7844NT	11.7	V5013N1063
1-1/4	18.5	VG7844PT	18.7	V5013N1071
1-1/2	28.9	VG7844RT	29.3	V5013N1089
2	46.2	VG7844ST	46.8	V5013N1097

#### Two-way Valves

##### Push Down To Close (Direct Acting)

Size (NPT)	Original Valve		Replacement Valve	
	$C_v$	Johnson Model	$C_v$	Honeywell Model
1/2	0.73	VG7241CT	0.73	V5011N1008
	1.8	VG7241ET	1.9	V5011N1024
	4.6	VG7241GT	4.7	V5011N1040
3/4	7.3	VG7241LT	7.3	V5011N1057
1	11.6	VG7241NT	11.7	V5011N1065
1-1/4	18.5	VG7241PT	18.7	V5011N1073
1-1/2	28.9	VG7241RT	29.3	V5011N1081
2	46.2	VG7241ST	46.8	V5011N1099
1/2	0.73	VG7243CT	0.73	V5011N1008
	1.8	VG7243ET	1.9	V5011N1024
	4.6	VG7243GT	4.7	V5011N1040
3/4	7.3	VG7243LT	7.3	V5011N1057
1	11.6	VG7243NT	11.7	V5011N1065
1-1/4	18.5	VG7243PT	18.7	V5011N1073
1-1/2	28.9	VG7243RT	29.3	V5011N1081
2	46.2	VG7243ST	46.8	V5011N1099

##### Push Down To Open (Reverse Acting)

Size (NPT)	Original Valve		Replacement Valve	
	$C_v$	Johnson Model	$C_v$	Honeywell Model
1/2	0.73	VG7441CT	–	no direct repl.
	1.8	VG7441ET	2.9	V5011N3004
	4.6	VG7441GT	4.7	V5011N3012
3/4	7.3	VG7441LT	7.3	V5011N3020
1	11.6	VG7441NT	11.7	V5011N3038
1-1/4	18.5	VG7441PT	18.7	V5011N3046
1-1/2	28.9	VG7441RT	–	none
2	46.2	VG7441ST	–	none
1/2	0.73	VG7443CT	–	no direct repl.
	1.8	VG7443ET	2.9	V5011N3004
	4.6	VG7443GT	4.7	V5011N3012
3/4	7.3	VG7443LT	7.3	V5011N3020
1	11.6	VG7443NT	11.7	V5011N3038
1-1/4	18.5	VG7443PT	18.7	V5011N3046
1-1/2	28.9	VG7443RT	–	none
2	46.2	VG7443ST	–	none



## SIEBE / BARBER-COLMAN TO HONEYWELL

### Three-way Mixing Valves

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Siebe Model	C <sub>v</sub>	Honeywell Model
1/2	2.2	VB-7313-0-4-2	2.9	V5013N1030
	4.4	VB-7313-0-4-4	4.7	V5013N1048
3/4	8	VB-7313-0-4-6	7.3	V5013N1055
1	14	VB-7313-0-4-8	11.7	V5013N1063
1-1/4	20	VB-7313-0-4-9	18.7	V5013N1071
1-1/2	33	VB-7313-0-4-10	29.3	V5013N1089
2	50	VB-7313-0-4-11	46.8	V5013N1097

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Siebe Model	C <sub>v</sub>	Honeywell Model
1/2	2	VB-9313-0-4-2	2.9	V5013N1030
	4	VB-9313-0-4-4	4.7	V5013N1048
3/4	6.8	VB-9313-0-4-6	7.3	V5013N1055
1	12	VB-9313-0-4-8	11.7	V5013N1063
1-1/4	16	VB-9313-0-4-9	18.7	V5013N1071
1-1/2	33	VB-9313-0-4-10	29.3	V5013N1089
2	55	VB-9313-0-4-11	46.8	V5013N1097

### Two-way Valves

#### Stem Down to Close (Direct Acting)

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Siebe Model	C <sub>v</sub>	Honeywell Model
1/2	0.4	VB-7213-0-4-01	0.73	V5011N1008
	1.3	VB-7213-0-4-02	1.2	V5011N1016
	2.2	VB-7213-0-4-03	1.9	V5011N1024
	4.4	VB-7213-0-4-04	4.7	V5011N1040
3/4	5.5	VB-7213-0-4-05	–	no direct repl.
	7.5	VB-7213-0-4-06	7.3	V5011N1057
1	10	VB-7213-0-4-07	–	no direct repl.
	14	VB-7213-0-4-08	11.7	V5011N1065
1-1/4	20	VB-7213-0-4-09	18.7	V5011N1073
1-1/2	30	VB-7213-0-4-10	29.3	V5011N1081
2	40	VB-7213-0-4-11	46.8	V5011N1099
1/2	0.4	VB-7253-0-4-01	0.73	V5011N2006
	1.3	VB-7253-0-4-02	1.2	V5011N2014
	2.2	VB-7253-0-4-03	1.9	V5011N2022
	4.4	VB-7253-0-4-04	4.7	V5011N2048
3/4	5.5	VB-7253-0-4-05	–	no direct repl.
	7.5	VB-7253-0-4-06	7.3	V5011N2055
1	10	VB-7253-0-4-07	–	no direct repl.
	14	VB-7253-0-4-08	11.7	V5011N2063
1-1/4	20	VB-7253-0-4-09	18.7	V5011N2071
1-1/2	30	VB-7253-0-4-10	29.3	V5011N2089
2	40	VB-7253-0-4-11	46.8	V5011N2097

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Siebe Model	C <sub>v</sub>	Honeywell Model
1/2	0.4	VB-9213-0-4-1	0.73	V5011N1008
	1.3	VB-9213-0-4-2	1.2	V5011N1016
	2.2	VB-9213-0-4-3	1.9	V5011N1024
	3.6	VB-9213-0-4-4	4.7	V5011N1040
3/4	5	VB-9213-0-4-5	–	no direct repl.
	6.3	VB-9213-0-4-6	7.3	V5011N1057
1	8.2	VB-9213-0-4-7	–	no direct repl.
	11	VB-9213-0-4-8	11.7	V5011N1065
1-1/4	16	VB-9213-0-4-9	18.7	V5011N1073
1-1/2	25	VB-9213-0-4-10	29.3	V5011N1081
2	40	VB-9213-0-4-11	46.8	V5011N1099
1/2	0.4	VB-9253-0-4-1	0.73	V5011N2006
	1.3	VB-9253-0-4-2	1.2	V5011N2014
	2.2	VB-9253-0-4-3	1.9	V5011N2022
	3.6	VB-9253-0-4-4	4.7	V5011N2048
3/4	5	VB-9253-0-4-5	–	no direct repl.
	6.3	VB-9253-0-4-6	7.3	V5011N2055
1	8.2	VB-9253-0-4-7	–	no direct repl.
	11	VB-9253-0-4-8	11.7	V5011N2063
1-1/4	16	VB-9253-0-4-9	18.7	V5011N2071
1-1/2	25	VB-9253-0-4-10	29.3	V5011N2089
2	40	VB-9253-0-4-11	46.8	V5011N2097

**SIEBE / BARBER-COLMAN TO HONEYWELL (CONTINUED)****Two-way Valves (continued)****Stem Up to Close (Reverse Acting)**

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Siebe Model	C <sub>v</sub>	Honeywell Model
1/2	0.4	VB-7263-0-4-01	-	no direct repl.
	1.3	VB-7263-0-4-02		
	2.2	VB-7263-0-4-03	2.9	V5011N3004
	4.4	VB-7263-0-4-04	4.7	V5011N3012
3/4	5.5	VB-7263-0-4-05	-	no direct repl.
	7.5	VB-7263-0-4-06	7.3	V5011N3020
1	10	VB-7263-0-4-07	-	no direct repl.
	14	VB-7263-0-4-08	11.7	V5011N3038
1-1/4	20	VB-7263-0-4-09	18.7	V5011N3046
1-1/2	30	VB-7263-0-4-10	-	none
2	40	VB-7263-0-4-11	-	none

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Siebe Model	C <sub>v</sub>	Honeywell Model
1/2	0.4	VB-9223-0-4-1	-	no direct repl.
	1.3	VB-9223-0-4-2		
	2.2	VB-9223-0-4-3	2.9	V5011N3004
	3.6	VB-9223-0-4-4	4.7	V5011N3012
3/4	5	VB-9223-0-4-5	-	no direct repl.
	6.3	VB-9223-0-4-6	7.3	V5011N3020
1	8.2	VB-9223-0-4-7	-	no direct repl.
	11	VB-9223-0-4-8	11.7	V5011N3038
1-1/4	16	VB-9223-0-4-9	18.7	V5011N3046
1-1/2	25	VB-9223-0-4-10	-	none
2	40	VB-9223-0-4-11	-	none

**DELTA TO HONEYWELL****Three-way Mixing Valves**

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Delta Model	C <sub>v</sub>	Honeywell Model
1/2	2.5	DG3-3	2.9	V5013N1030
3/4	6.3	DG3-7	7.3	V5013N1055
1	10	DG3-10	11.7	V5013N1063
1-1/4	16	DG3-16	18.7	V5013N1071
1-1/2	24	DG3-24	29.3	V5013N1089
2	38	DG3-38	46.8	V5013N1097

**Two-way Valves**

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Delta Model	C <sub>v</sub>	Honeywell Model
1/2	2.5	DG2-3	2.9	V5011N1032
3/4	6.3	DG2-7	7.3	V5011N1057
1	10	DG2-10	11.7	V5011N1065
1-1/4	16	DG2-16	18.7	V5011N1073
1-1/2	20	DG2-20	29.3	V5011N1081
2	38	DG2-38	46.8	V5011N1099
1/2	2.5	DG2S-3	1.85	V5011N2030
3/4	6.3	DG2S-7	7.3	V5011N2055
1	10	DG2S-10	11.7	V5011N2063
1-1/4	16	DG2S-16	18.7	V5011N2071
1-1/2	20	DG2S-20	29.3	V5011N2089
2	38	DG2S-38	46.8	V5011N2097

## OLD HONEYWELL TO NEW HONEYWELL

### Three-way Mixing Valves

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Model Number	C <sub>v</sub>	Model Number
1/2	2.5	V5013F1004	2.9	V5013N1030
	4	V5013F1012	4.7	V5013N1048
3/4	6.3	V5013F1020	7.3	V5013N1055
1	10	V5013F1038	11.7	V5013N1063
1-1/4	16	V5013F1046	18.7	V5013N1071
1-1/2	25	V5013F1053	29.3	V5013N1089
2	40	V5013F1061	46.8	V5013N1097
1/2	4	V5013F1079	4.7	V5013N1048
3/4	6.3	V5013F1087	7.3	V5013N1055
1	10	V5013F1095	11.7	V5013N1063
1-1/4	16	V5013F1103	18.7	V5013N1071
1-1/2	25	V5013F1111	29.3	V5013N1089
2	40	V5013F1129	46.8	V5013N1097

### Two-way Valves

#### Reverse Acting

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Model Number	C <sub>v</sub>	Model Number
1/2	2.5	V5011H1002	2.9	V5011N3004
	4	V5011H1010	4.7	V5011N3012
3/4	6.3	V5011H1028	7.3	V5011N3020
1	10	V5011H1036	11.7	V5011N3038
1-1/4	16	V5011H1044	18.7	V5011N3046
1/2	2.5	V5011J1007	-	none
	4	V5011J1015		
3/4	6.3	V5011J1023		
1	10	V5011J1031		
1-1/4	16	V5011J1049		

### Two-way Valves

#### Direct Acting

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Model Number	C <sub>v</sub>	Model Number
1/2	0.63	V5011F1006	0.73	V5011N1008
	1	V5011F1014	1.16	V5011N1016
	1.6	V5011F1022	1.85	V5011N1024
	2.5	V5011F1030	2.9	V5011N1032
	4	V5011F1048	4.7	V5011N1040
3/4	6.3	V5011F1055	7.3	V5011N1057
1	10	V5011F1063	11.7	V5011N1065
1-1/4	16	V5011F1071	18.7	V5011N1073
1-1/2	25	V5011F1089	29.3	V5011N1081
2	40	V5011F1097	46.8	V5011N1099
1/2	2.5	V5011F1121	2.9	V5011N1032
	4	V5011F1139	4.7	V5011N1040
3/4	6.3	V5011F1147	7.3	V5011N1057
1	10	V5011F1154	11.7	V5011N1065
1-1/4	16	V5011F1162	18.7	V5011N1073
1-1/2	25	V5011F1170	29.3	V5011N1081
2	40	V5011F1188	46.8	V5011N1099

Size (NPT)	Original Valve		Replacement Valve	
	C <sub>v</sub>	Model Number	C <sub>v</sub>	Model Number
1/2	0.4	V5011G1004	-	no direct repl
	0.63	V5011G1012	0.73	V5011N2006
	1	V5011G1020	1.16	V5011N2014
	1.6	V5011G1038	1.85	V5011N2022
	2.5	V5011G1046	2.9	V5011N2030
	4	V5011G1053	4.7	V5011N2048
3/4	6.3	V5011G1061	7.3	V5011N2055
1	10	V5011G1079	11.7	V5011N2063
1-1/4	16	V5011G1087	18.7	V5011N2071
1-1/2	25	V5011G1095	29.3	V5011N2089
2	40	V5011G1103	46.8	V5011N2097
1/2	0.4	V5011G1137 <sup>a</sup>	-	no direct repl
	0.63	V5011G1145 <sup>a</sup>	0.73	V5011N2006
	1	V5011G1152 <sup>a</sup>	1.16	V5011N2014
	1.6	V5011G1160 <sup>a</sup>	1.85	V5011N2022
	2.5	V5011G1178 <sup>a</sup>	2.9	V5011N2030
	4	V5011G1186 <sup>a</sup>	4.7	V5011N2048
3/4	6.3	V5011G1194 <sup>a</sup>	7.3	V5011N2055
1	10	V5011G1202 <sup>a</sup>	11.7	V5011N2063
1-1/4	16	V5011G1210 <sup>a</sup>	18.7	V5011N2071
1-1/2	25	V5011G1228 <sup>a</sup>	29.3	V5011N2089

<sup>a</sup> Metal-to-metal seat for high pressure steam.

**Honeywell**

#### Home and Building Control

Honeywell Inc.  
Honeywell Plaza  
P.O. Box 524  
Minneapolis MN 55408-0524

#### Home and Building Control

Honeywell Limited-Honeywell Limitée  
155 Gordon Baker Road  
North York, Ontario  
M2H 3N7

