

1-800-GRAINGER (472-4643)

### Motorized 24V Hydronic Zone Valves

- Max. water temp.: 200°F (except where noted)

Manual lever provides valve operation during power failure. Use with 2-wire controls, except 3-wire for 2E163 and 2E164.

**Honeywell**  
**Honeywell**  
**Home**  
**White-Rodgers**

2E870



Connec. Type/Size (in.)	Type	Coefficient of Volume	Electrical Connec.	Brand	Mfr. Model	Item No.
<b>Valves</b>						
Flare 1/2	NC	3.5	18 in Leads	Honeywell	V8043A1003	279C01
NPT 1/2	NC	3.5	18 in Leads	Honeywell Home	V8043A1227	2KKP1
NPT 3/4	NC	3.5	18 in Leads	Honeywell Home	V8043E1145	2KKR2 *
NPT 1	NO	3.5	18 in Leads	Honeywell Home	V8043B1076	2KKP6
NPT 1	NC	10	18 in Leads	Honeywell Home	V8043E1137	2KKR1 *
Sweat 1/2	NC	3.5	18 in Leads	Honeywell	V8043A1011	279A80
	NC	3.5	18 in Leads	Honeywell Home	V8043E5004	2KKR3 *
	NC	3.5	18 in Leads	Honeywell Home	V8043E1004	2E870 *
	NO	3.5	18 in Leads	Honeywell	V8043B1019	279A82
Sweat 3/4	NC	3.5	18 in Leads	Honeywell	V8043E5012	279C04
	NC	3.5	18 in Leads	Honeywell Home	V8043A1029	2KKM7
	NC	3.5	18 in Leads	Honeywell Home	V8043E1012	2E787 *
	NC	8	18 in Leads	Honeywell Home	V8043E5061	2KKR6 *
Sweat 1	NC	8	18 in Leads	Honeywell Home	V8043E1061	2KKP7 *
	NO	3.5	18 in Leads	Honeywell	V8043B1027	279A84
	NC	23.5	Terminal Board	White-Rodgers	1311-102	2E163 ‡
	NC	23.5	Terminal Board	White-Rodgers	1361-102	44R201 ‡
Sweat 1	NC	8	Terminal Board	Honeywell	V8043F1093	279C03
	NC	3.5	18 in Leads	Honeywell	V8043E5020	279C11
	NC	3.5	18 in Leads	Honeywell Home	V8043E1020	2E788 *
	NC	8	18 in Leads	Honeywell Home	V8043E1079	2KKP8 *
Sweat 1	NC	37.0	Terminal Board	White-Rodgers	1311-103	2E164 ‡
	NC	3.5	Terminal Board	Honeywell Home	V8043F1051	2E790 *
Sweat 1	NC	8	Terminal Board	Honeywell Home	V8043F1101	2KKT1 *

\* Integral end switch for sequencing auxiliary equipment. ‡ 240°F.

Description	Brand	Mfr. Model	Item No.
<b>Replacement Parts</b>			
Motor, For use w/ V8043A Zone Valves, 60 Hz	Honeywell Home	802360JA	2KKN3

### Motorized 24V Hydronic Zone Valves

- Max. water temp.: 220°F
- Snap-in connectors on power and end switch

Zone Sentry valves can be used in applications including 15 psi geothermal steam, heating systems, or in chilled water where condensation is present. The actuator can be replaced in seconds. Ball valve design installs in any orientation. Valves feature quick-connect wiring, multi-function LED, manual override, and end switch.

**Taco**  
Comfort Solutions

12M799



Connec. Type/Size (in.)	Type	Coefficient of Volume	Mfr. Model	Item No.
<b>Valves</b>				
NPT 1/2	2-Way, NC, Closed System	4.9	Z05012-3	12M803
	2-Way, NO, Closed System	4.9	V05012A2ZB024Q4A2	12M809
	3-Way, Closed System	1.5	Z05013-2	12M834
	2-Way, NC, Closed System	10.3	Z07512-3	12M804
NPT 3/4	2-Way, NC, Geothermal System	10.3	V07512G2ZAO24Q4A2	12M816
	2-Way, NO, Closed System	10.3	V07512A2ZB024Q4A2	12M810
	2-Way, NO, Geothermal System	10.3	V07512G2ZB024Q4A2	12M822
	3-Way, Closed System	4.5	Z07513-2	12M835
NPT 1	3-Way, Geothermal Systems	4.5	V07513G1ZAO24Q4A2	12M828
	2-Way, NC, Closed System	8.9	Z10012-3	12M805
	2-Way, NC, Geothermal Systems	8.9	V10012G2ZAO24Q4A2	12M817
	2-Way, NO, Closed System	8.9	V10012A2ZB024Q4A2	12M811
Sweat 1/2	2-Way, NO, Geothermal System	8.9	V10012G2ZB024Q4A2	12M823
	3-Way, Closed System	4.5	Z10013-2	12M836
	2-Way, NC, Closed System	4.9	Z050C2-2	12M799
	2-Way, NO, Closed System	4.9	V050C2A2ZB024Q4A2	12M806
Sweat 3/4	2-Way, NO, Geothermal System	4.9	V050C2G2ZB024Q4A2	12M818
	3-Way, Closed System	1.5	Z050C3-2	12M831
	3-Way, Geothermal System	1.5	V050C3G1ZAO24Q4A2	12M824
	2-Way, NC, Closed System	10.3	Z075C2-2	12M801
Sweat 1	2-Way, NC, Geothermal System	10.3	V075C2G2ZAO24Q4A2	12M813
	2-Way, NO, Closed System	10.3	V075C2A2ZB024Q4A2	12M807
	3-Way, Closed System	4.5	Z075C3-2	12M832
	2-Way, NC, Closed System	8.9	Z100C2-2	12M802
Sweat 1	2-Way, NC, Geothermal System	8.9	V100C2G2ZAO24Q4A2	12M814
	2-Way, NO, Closed System	8.9	V100C2A2ZB024Q4A2	12M808
	2-Way, NO, Geothermal System	8.9	V100C2G2ZB024Q4A2	12M820
	3-Way, Closed System	4.5	Z100C3-2	12M833
Sweat 1	3-Way, Geothermal System	4.5	V100C3G1ZAO24Q4A2	12M826

Description	Mfr. Model	Item No.
<b>Actuator Heads</b>		
NO, 24V	ZB024Q4A2	12M830
NC, 24V	ZA024Q4A2	12M798

### Water and Steam System Air Vents

- Max. temp.: 240°F (except where noted)

**Resideo Brauckmann**—Models have vent cap with leakage guard. Float/valve assembly is removable for servicing. Built-in vacuum breaker and shut-off valve.

**Bell & Gossett**—Nonadjustable, except 4NU93 has 6 port settings. 4NU93 and 4NU94 have horizontal pipe fittings; 4NU95 and 4NU96 have vertical pipe fittings.

**Taco**—Remove unwanted air from closed loop heating and cooling systems.

**resideo**  
Brauckmann

**B&G**

**Bell & Gossett**  
a xylem brand

**Taco**  
Comfort Solutions



Hydronic

Type	Connection	Max. Pressure	Material	Brand	Mfr. Model	Item No.
<b>Hydronic Air Vent</b>						
Automatic	1/2 in (M)NPT	90 psi	Thermoplastic	Resideo Brauckmann	EA122A1002	3TZ95 *
	3/4 in (M)NPT	150 psi	Brass Shell	Resideo Brauckmann	EA79A1004	3TZ96 ‡
Automatic Float	3/4 in (M)NPT	150 psi	Brass and SS	Bell & Gossett	78	2CMH7 ‡
	1/2 in (F)NPT	75 psi	Brass and SS	Bell & Gossett	79	2CMH8 ‡
High Pressure Automatic Float	Inlet Bottom 3/4 in (F)NPT Outlet 1/2 in (F)NPT Side 1/2 in (F)NPT	250 psi	Cast Iron	Bell & Gossett	792	4NU83 #

\* 230°F. ‡ 250°F. # 300°F.

Type	Connection	Max. Pressure	Material	Brand	Mfr. Model	Item No.
<b>Steam Air Vent</b>						
Automatic	1/2 in (M)NPT Angled	10 psi 6 psig (Drop Away Pressure)	Plated Brass	Bell & Gossett	499170	4NU93
	1/2 in (M)NPT Straight	10 psi	Plated Brass	Bell & Gossett	40	4NU94
Automatic	1/2 in (M)NPT Straight	10 psi	Plated Brass	Bell & Gossett	41	4NU95
	1/4 in (M)NPT Straight	10 psi	Plated Brass	Bell & Gossett	43	4NU96
<b>Hydronic Air Eliminators</b>						
Automatic	1/4 in (F)NPT	150 psi	Brass	Taco	49-075T-2	20HJ63
	3/4 in (F)NPT	150 psi	Brass	Taco	49-075C-2	20HJ68
	1 in (F)NPT	150 psi	Brass	Taco	49-100C-2	20HJ69
	1 in (F)NPT	150 psi	Brass	Taco	49-100T-2	20HJ64
	1 1/4 in (F)NPT	150 psi	Brass	Taco	49-125C-2	20HJ70
	1 1/4 in (F)NPT	150 psi	Brass	Taco	49-125T-2	20HJ65
	1 1/2 in (F)NPT	150 psi	Brass	Taco	49-150C-1	20HJ71
	2 in (F)NPT	150 psi	Brass	Taco	49-150T-1	20HJ66
Automatic	2 in (F)NPT	150 psi	Brass	Taco	49-200T-2	20HJ67

**Honeywell**  
**Home**

### High-Capacity Thermostatic Radiator Actuators and Valves

Provide precise, automatic control of room temperature in 2-pipe systems.

**Actuators**—Continually monitor and adjust room temperature.

**Valves**—Threaded tailpiece. Parts are replaceable on in-service, in-line valves under pressure.

**Programmable Radiator Controller**—Energy-saving unit fits most standard radiator valves.

Description	Capillary Length	Temp. Range	Brand	Mfr. Model	Item No.
<b>Actuators</b>					
Integral Sensor & Setpoint	—	43 to 79°F	Honeywell Home	T104A1040	3UC67
Remote Sensor & Setpoint	80 in	43 to 79°F	Honeywell Home	T104B1038	3UC68
Remote Sensor, Integral Setpoint	80 in	43 to 79°F	Honeywell Home	T104F1512	3UC69
Remote Sensor, Integral Setpoint	80 in	48 to 79°F	—	—	10L944
<b>Valves</b>					
Angle	142 psi/12 psi	1/2 in FPT	—	—	10L948
	150 psi/15 psi	1/2 in FPT	Honeywell Home	V110E1004	3UD05
	150 psi/15 psi	3/4 in FPT	Honeywell Home	V110E1012	3UD06
	150 psi/15 psi	1 in FPT	Honeywell Home	V110E1020	3UD07
Horizontal Angle	142 psi/12 psi	1/2 in FPT	—	—	10L951
	150 psi/15 psi	1/2 in FPT	Honeywell Home	V110F1002	3UD08
	150 psi/15 psi	3/4 in FPT	Honeywell Home	V110F1010	3UD09
	150 psi/15 psi	1 in FPT	Honeywell Home	V110D1000	3UD02
Straight	150 psi/15 psi	3/4 in FPT	Honeywell Home	V110D1008	3UD03
	150 psi/15 psi	1 in FPT	Honeywell Home	V110D1016	3UD04



3UC67

Temp. Range	Brand	Mfr. Model	Item No.
<b>Programmable Radiator Controller, Threaded</b>			
32°F to 122°F	Honeywell Home	HR90	48KT45

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