

1-800-GRAINGER (472-4643)

Motorized 24V Hydronic Zone Valves

Honeywell
Honeywell Home
White-Rodgers



- 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.

Connec. Type/Size (in.)	Type	Coefficient of Volume	Electrical Connec.	Brand	Mfr. Model	Item No.
Flare 1/2	NC	3.5	18 in Leads	Honeywell	V8043A1003	279C01
	NC	3.5	18 in Leads	Honeywell Home	V8043A1227	2KKP1
NPT 3/4	NC	3.5	18 in Leads	Honeywell Home	V8043E1145	2KKR2 *
	NO	3.5	18 in Leads	Honeywell Home	V8043B1076	2KKP6
NPT 1	NC	10	18 in Leads	Honeywell Home	V8043E1137	2KKR1 *
	NC	3.5	18 in Leads	Honeywell	V8043A1011	279A80
Sweat 1/2	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
	NC	3.5	18 in Leads	Honeywell	V8043E5012	279C04
Sweat 3/4	NC	3.5	18 in Leads	Honeywell	V8043A5029	279C08
	NC	3.5	18 in Leads	Honeywell Home	V8043A1029	2KKN7 *
	NC	3.5	18 in Leads	Honeywell Home	V8043E1012	2E787 *
	NC	8	18 in Leads	Honeywell Home	V8043E5061	2KKR6 *
	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 ‡
	NC	8	Terminal Board	Honeywell	V8043F1033	279C03
	NC	3.5	18 in Leads	Honeywell	V8043E5020	279C11 *
Sweat 1	NC	3.5	18 in Leads	Honeywell Home	V8043E1020	2E788 *
	NC	8	18 in Leads	Honeywell Home	V8043E1079	2KKP8 *
	NC	37.0	Terminal Board	White-Rodgers	1311-103	2E164 ‡
	NC	3.5	Terminal Board	Honeywell Home	V8043F1051	2E790 *
	NC	8	Terminal Board	Honeywell Home	V8043F1101	2KK11 *

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

Description	Brand	Mfr. Model	Item No.
Replacement Parts			
Motor, For use w/ V8043A Zone Valves, 60 Hz	Honeywell Home	802360JA	2KKN3
Motor, For use w/ V8043A Zone Valves, 50/60 Hz	Honeywell	802360UA	279A69
Head, 24V, For use w/ V8043F Zone Valves	Honeywell	40003916-048	279A68
Head, 24V, For use w/ V8043E Zone Valves	Honeywell	40003916-026	279A67

Motorized 24V Hydronic Zone Valves

Taco
Comfort Solutions



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

Zone Sentry valves can be 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.

Connec. Type/Size (in.)	Type	Coefficient of Volume	Mfr. Model	Item No.
Valves	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
NPT 1/2	2-Way, NC, Closed System	10.3	Z07512-3	12M804
	2-Way, NC, Geothermal System	10.3	V07512G2ZA024Q4A2	12M816
	2-Way, NO, Closed System	10.3	V07512A2ZB024Q4A2	12M810
	2-Way, NO, Geothermal System	10.3	V07512G2ZB024Q4A2	12M822
NPT 3/4	3-Way, Closed System	4.5	Z07513-2	12M835
	3-Way, Geothermal Systems	4.5	V07513G1ZA024Q4A2	12M828
	2-Way, NC, Closed System	8.9	Z10012-3	12M805
	2-Way, NC, Geothermal Systems	8.9	V10012G2ZA024Q4A2	12M817
NPT 1	2-Way, NO, Closed System	8.9	V10012A2ZB024Q4A2	12M811
	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
Sweat 1/2	2-Way, NO, Closed System	4.9	V050C2A2ZB024Q4A2	12M806
	2-Way, NO, Geothermal System	4.9	V050C2G2ZB024Q4A2	12M818
	3-Way, Closed System	1.5	Z050C3-2	12M831
	3-Way, Geothermal System	1.5	V050C3G1ZA024Q4A2	12M824
Sweat 3/4	2-Way, NC, Closed System	10.3	Z075C2-2	12M801
	2-Way, NC, Geothermal System	10.3	V075C2G2ZA024Q4A2	12M813
	2-Way, NO, Closed System	10.3	V075C2A2ZB024Q4A2	12M810
	3-Way, Closed System	4.5	Z075C3-2	12M832
Sweat 1	2-Way, NC, Closed System	8.9	Z100C2-2	12M802
	2-Way, NC, Geothermal System	8.9	V100C2G2ZA024Q4A2	12M814
	2-Way, NO, Closed System	8.9	V100C2A2ZB024Q4A2	12M808
	2-Way, NO, Geothermal System	8.9	V100C2G2ZB024Q4A2	12M820
Actuator Heads	NO, 24V		ZB024Q4A2	12M830
	NC, 24V		ZA024Q4A2	12M798

Water and Steam System Air Vents

resideo
Brauckmann

Bell & Gossett
a xylem brand

Taco
Comfort Solutions



- 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.

Type	Connection	Max. Pressure	Material	Brand	Mfr. Model	Item No.
Hydronic Air Vent						
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 or 1/2 in (F)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.
Steam Air Vent						
Automatic	1/2 in (M)NPT Angled	10 psi 6 psig	Plated Brass	Bell & Gossett	499170	4NU93
	1/4 in (M)NPT Angled (Drop Away Pressure)	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
Hydronic Air Eliminators						
Automatic	3/4 in (F)NPT	150 psi	Brass	Taco	49-075T-2	20HJ63
	3/4 in (F) Sweat	150 psi	Brass	Taco	49-075C-2	20HJ68
	1 in Sweat	150 psi	Brass	Taco	49-100C-2	20HJ69
	1 in (F) NPT	150 psi	Brass	Taco	49-100T-2	20HJ64
	1 1/4 in Sweat	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 Sweat	150 psi	Brass	Taco	49-150C-1	20HJ71
	1 1/2 in (F) NPT	150 psi	Brass	Taco	49-150T-1	20HJ66
	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.
Actuators					
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 & Setpoint	80 in	48 to 79°F	—	—	10L943
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

Body Style	Max. Pressure Water/Steam	Pipe Connec.	Brand	Mfr. Model	Item No.
Valves					
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
Straight	150 psi/15 psi	1/2 in FPT	Honeywell Home	V110D1000	3UD02
	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 32°F to 122°F
Brand Honeywell Home
Mfr. Model HR90
Item No. 48K145