

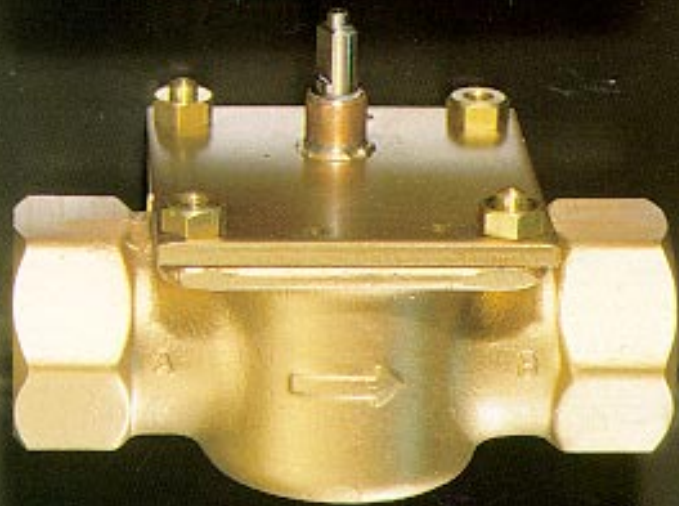
Honeywell Zone Valves

# CONTROLS

For ease of service...



lift this head off  
instead of taking the  
system apart.



Honeywell Zone Valves  
with removable powerhead

Zone Valves in a  
fan coil system

**Honeywell**



# Redesigned for service convenience

Loosen two screws and the entire powerhead of Honeywell's V8043 zone valve lifts off easily, leaving a watertight driveshaft and valve body in place.

Given its reputation for high reliability, we don't expect you'll need to change out the powerhead on a V8043 zone valve very often. But for the times that you do, it's nice to know Honeywell's new removable powerhead makes the job far easier. And a lot faster too.

Why the change? Contractors like yourself told us they liked everything about the V8043 except the need to drain down the system for service.

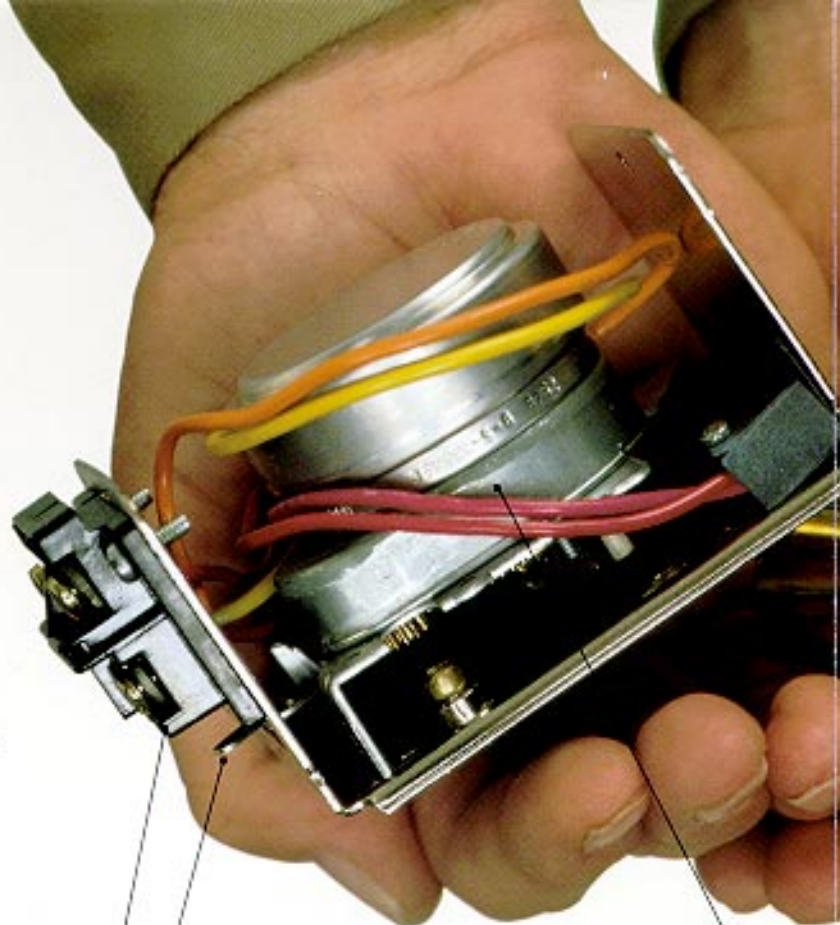
**Conversion kit upgrades older valves;** Any time you drain down your customer's system for maintenance is the ideal opportunity to upgrade existing V8043's. You help prevent future major interruptions in the heating supply. Keep several kits on hand for retrofit jobs.

**A fitting line;** Honeywell zone valve models will fit virtually every system you'll work on. Whether you need straight through or diverting valves; low voltage or line voltage. 3/8" flare or 1/2" through to 1-1/4" fittings. Even inverted flare. We've got what you need.

And, no matter which model you choose, it's nice to know the versatile Honeywell V8043 is compact enough to fit almost anywhere, including under most baseboards.

**It's a pro's line,** supporting the assurance to your customer of reliable comfort and performance. Many V8043 features make it your best choice. Like the quiet, long-life synchronous motor. Accurate temperature control. A manual override that allows some circulation in case of power failure, and automatic reset for when power is restored (avoids service calls from too-hot customers without automatic reset.)

So join the many thousands of professionals who make friends, profitably, by specifying Honeywell V8043 zone valves.



■ **Manual opener—with automatic recycle.** Valve opens manually to allow some water circulation during power outage; automatically resets to "AUTO" when power is restored.

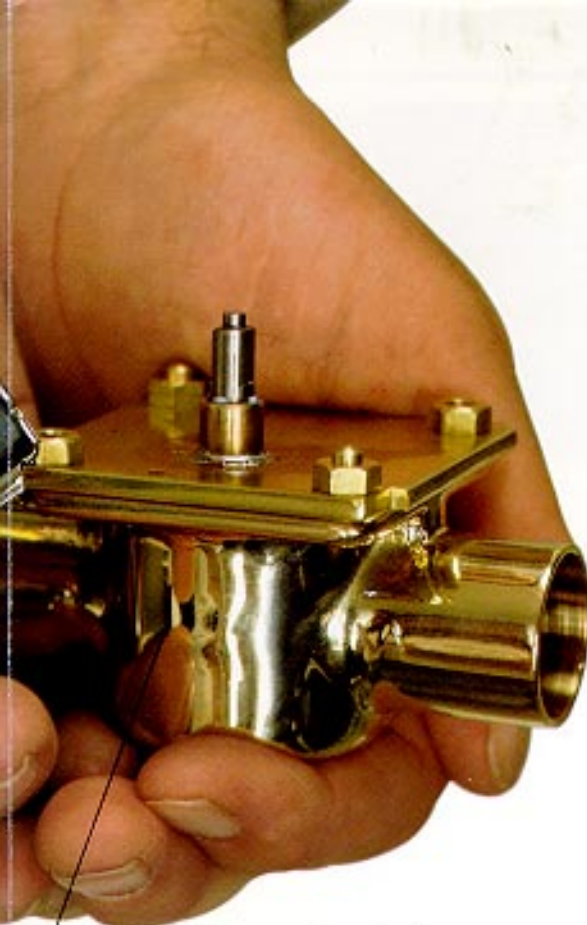
■ **Auxiliary end switch** allows switching a boiler, circulator pump or other device. End switch rating: 120 V, 4.4 VA running, 26.4 A inrush (60 Hz). Pilot duty rating: 50 VA at 24 V.

■ **Sturdy snap-on zinc plated or aluminized steel cover** resists corrosion, looks great for years. Removing cover allows easy access to motor and powerhead. Cover removes completely so that it is possible to observe the entire mechanism in operation.

■ **Triple O-ring seal** provides three lines of defense against corrosion and water leakage around driveshaft. No other valve protects against leaks so well.







## Zone Valve Selection Chart

The following represents a sampling only of the valve models available. These are removable head style valves with a CV of 3.5 for 24 V, 50-60 Hz applications. Consult your Honeywell Tradeline catalogue or contact Honeywell for additional listings.

Order Number	Type	Pipe Connection	Pressure Rating (PSI)
V8043C1033	Normally Closed	3/8" Flare <sup>1</sup>	125
V8043C1041	w/o End Switch	1/2" Sweat	125
V8043C1058		3/4" Sweat	125
V8043C1116		3/8" Flare <sup>2</sup>	125
V8043C1124		1/2" Invert. Flare <sup>2</sup>	125
V8043C3062		1/2" Invert. Flare <sup>2</sup>	300
V8043D1080	Normally Open	3/8" Flare <sup>1</sup>	125
V8043D1156	w/o End Switch	1/2" Sweat	125
V8043D1189 <sup>4</sup>		3/4" Sweat	125
V8043D1197		3/8" Flare <sup>2</sup>	125
V8043D1205		1/2" Invert. Flare <sup>2</sup>	125
V8043D3094		1/2" Invert. Flare <sup>2</sup>	300
V8043G1000	Normally Closed	1/2" Sweat	125
V8043G1018	with N.O. End	3/4" Sweat	125
V8043G1034	Switch	3/8" Flare <sup>1</sup>	125
V8043G1133		3/8" Flare <sup>2</sup>	125
V8043G1125		1/2" Invert. Flare <sup>2</sup>	125
V8043G3071		1/2" Invert. Flare <sup>2</sup>	300
V8044E3017 <sup>3</sup>	Normally Open with N.O. End Switch	1/2" Invert. Flare <sup>2</sup>	300

<sup>1</sup> Includes (2) Flare-to-3/4" sweat adaptors.

<sup>2</sup> No adaptors included; flare to sweat and inverted flare to sweat adaptors available separately, see parts and accessories.

<sup>3</sup> Three-way valve model.

<sup>4</sup> With N.C. end switch (2.2 A rated).

### Parts and Accessories

272704A Card	Adaptor, Flare to 1/2" sweat - package of 2
272704B Card	Adaptor, Flare to 3/4" sweat - package of 2
272704C Card	Adaptor, Flare to 1" sweat - package of 2
272708A	Adaptor, Inverted Flare to 1/2" sweat - pkg. of 2
272708B	Adaptor, Inverted Flare to 3/4" sweat - pkg. of 2
272708C	Adaptor, Inverted Flare to 1" sweat - pkg. of 2
272756A Card	Replacement O-ring, valve body, pkg. of 5.
4000 3916-011	Replacement powerhead assembly for V8043 normally-closed valve without end switch.
4000 3916-012	Replacement powerhead assembly for V8043 normally-closed valve with N.O. end switch.
4000 3916-014	Replacement powerhead assembly for V8043 normally open valve without end switch.
4000 3918-002	Adaptor kit for converting non-removable head style V8043 valve body to accept a removable head style zone valve.

## Product Specification Guide

Models	Operation
V4043 - Line voltage, 2-way straight through	• Normally open
V4044 - Line voltage, 3-way, diverting	• Normally closed
V8043 - Low voltage, 2-way straight through	• Diverting
V8044 - Low voltage, 3-way diverting	

Body Style	CV Rating	Pressure Ratings	Pipe Connections
• 2-way	• 3.5 Standard	• 125 PSI	• 1/2, 3/4, 1" sweat
• 3-way	• Others available	• 300 PSI	• 3/8" flare
			• 1/2" inverted flare
			• 3/4" NPT
			• Others available

Motors	Electrical Rating
• Class A, standard ambient	• 24 V 50/60 Hz
• Class A, plated, for hot/chilled water	• 120 V 50/60 Hz
• Class F, plated, for high ambient, hot/chilled water.	• 208, 220, 240, 277 Vac available

■ **Forged brass valve body** is attractive and durable. Available in many combinations of straight through and diverting valves, with 1/2, 3/4, 1 and 1-1/4" (with adaptor) fittings flare or sweat. Inverted flare models also available.

■ **Long life synchronous motor** operates valve smoothly and noiselessly (no water hammer). Low power demand (7.7 VA) lets one 40 VA transformer power up to five valves. And V8043 valves consume no power during the off cycle. The synchronous motor is replaceable by removing one screw.

■ **Corrosion resistant stainless steel driveshaft** is highly polished to reduce friction and wear. Shaft is permanently installed through sealed valve body.

■ **Contamination-free, leakproof waterflow seal.** Patented rotating design assures rubber ballcock never seats twice in same position to prevent buildup of contaminants and assure a tight seal every time. Ball closes against the flow for quiet, water hammer resistant operation. Because ball rotates out of the way, by manual lever, sweat fitting may be accomplished without disassembling the valve.

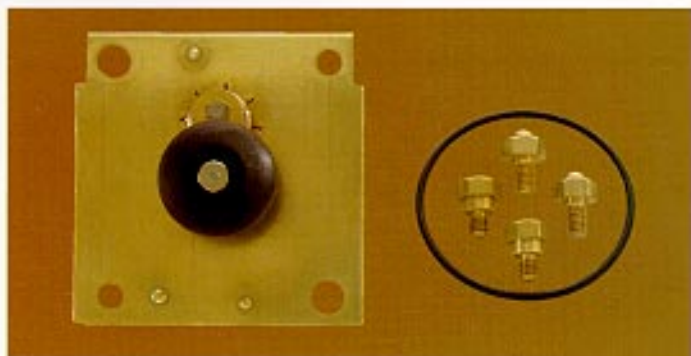




## Watertight Powerhead Conversion Kit 4000 3918-002

Kit converts older V8043 valves to the new watertight valve body. Includes metal plate with drive shaft attached to patented rotating rubber ball plug, O-ring and screws.

Any time you drain down your customer's system for maintenance is the ideal time to upgrade all V8043s in the system. Keep several kits on hand for retrofit jobs.



## Honeywell V4043 Zone Valves in a Fan Coil System

Incorporate all of the best product and control features of Honeywell zone valves in a fan coil system (see product specification guide on previous page)...

- corrosion resistant case, cover, motor
- high temperature Class F motor
- high pressure 300 psi models
- body styles, 2-way, 3-way for balanced flow
- optional aquastat for auto, heat/cool, cool/off system control
- full range of fittings
- variety of electrical terminations (conduit, cable) and voltages (120, 220, 240, 277 V, 50, 60, 50/60 Hz)



### For dependable system control

In a wide variety of system requirements Honeywell is your best choice for effective and reliable controls... thermostats, relays, transformers, etc. For example Honeywell's versatile T6069 line volt thermostat was designed specifically for control of fan coil systems; models in both gold and contemporary white finish. Most familiar is the famous Honeywell T87F Round thermostat. Consult with your Honeywell Heating and Plumbing Wholesaler.

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# Honeywell

HELPING YOU CONTROL YOUR WORLD