

**LIFETIME  
GUARANTEE**  
ON VALVE BODIES  
SPARTAN PERIPHERAL DEVICES

**5 YEAR  
GUARANTEE**  
ON CARTRIDGES  
SPARTAN PERIPHERAL DEVICES

### V261 SERIES ANGLED GLOBE VALVE BODIES

Spartan's V261 single union angle globe valve bodies are suitable for new projects or retrofitting existing radiators offering extended flexibility in piping installations.

These globe angle union valve bodies are designed for hot or chilled water and 50% glycol with a standard EP cartridge, or for high differential pressure applications with a balanced EB cartridge and for low pressure steam applications up to 15PSI with a steam rated EV cartridge.

The commercial valve bodies utilize low zinc bronze alloy for outstanding resilience to corrosion and dezincification and come with a lifetime warranty.

**These control valve assemblies can be used with the complete line of Spartan Zone Actuators (Wireless, Electric, Electronic, Pneumatic & Thermostatic) and are easily interchangeable with a thumb-nut. See Spartan Actuators Data Sheets.**

#### GENERAL SPECIFICATIONS

**Body Material:** Low zinc bronze, alloy C84400

**Pressure Rating:** ANSI 250 (PN16), 400 PSI at 150°F, 27 bar at 65°C

**Max. Test Pressure:** 1200 PSI (81 bar)

**Max. Δ Pressure:** 50 PSI (3.5 bar)

Maximum close off pressure with EB cartridge 100PSI (6.8bar)

**Valve Stem:** "Mirror – maker" burnished stainless steel stems

**Rangeability:** Better than 50:1

**Stem Travel:** 5/32" (4mm)

**Stem Position:** UP = valve open (default position), DOWN = valve closed

#### Pack of 20 Air Vents

Order no AVMAV18-20



V261 with plug



V261 with air vent (sold separately)

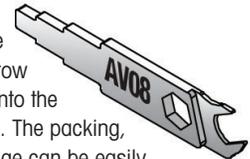
#### UNIQUE FEATURE

A unique feature of the V261 valve body is the 1/8" tapered threaded port. As it is at the highest point of the valve body it can be utilised with an optional integrated air relief vent AVMAV18. It can also be used as a pressure point or for other applications. For steam applications, in conjunction with an EV steam cartridge, the port is capped for added safety.



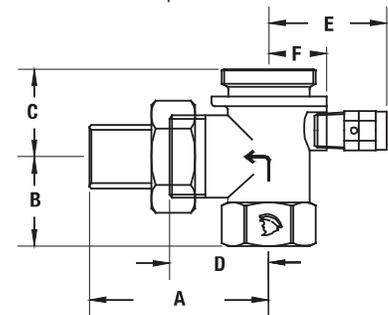
#### INSTALLATION AND FLOW DIRECTION

When installing it is essential that the flow follows the arrow that is embedded into the valve body casting. The packing, plunger and cartridge can be easily replaced by using the AV08 Packing Wrench shown here. This product must not be used outside of the specified applications. Installation should only be carried out by a licensed and trained installer. All local regulations and codes must be followed, and complied with, during the installation of this product.



#### DIMENSIONS

1/2" Valve	A	B	C	D	E	F
V261-12	2.25 (58)	1.13 (28)	1.13 (29)	1.25 (32)	1.25 (33)	0.75 (19)
3/4" Valve	A	B	C	D	E	F
V261-34	2.68 (67)	1.13 (30)	0.75 (19)	1.38 (36)	1.25 (33)	0.75 (19)
1" Valve	A	B	C	D		
V261-10	3.15 (80)	1.50 (38)	2.37 (60)	1.65 (42)		



#### HOW TO ORDER

1. Choose your valve body.
2. Choose an internal cartridge according to your application and CV. See Spartan cartridges data sheet.
3. Choose an actuator.

For a complete overview, see our **Zone Valve Selection Guide.**

STEP 1 Choose a valve body				STEP 2 Choose an internal cartridge		STEP 3 Choose an actuator
VE	261	12	N	EP	1.0	4340

**ACTUATOR TYPE:** see Data Sheets

**SELECT Cv VALUE**

**CARTRIDGE TYPE:** see Cartridge Data Sheet

**N** = threaded union, **S** = solder union, **□** = no union (order optional union separately)

**VALVE SIZE:** 12 = 1/2", 34 = 3/4", 10 = 1" (N = std union)

**VALVE BODY TYPE:** VE261 = angled body, female threaded port in, union connection port out

**VALVE ASSEMBLY TYPE:** Select **E** for Electric, **P** for Pneumatic, or **T** for Thermostatic