



## V325 Series 3 Way Diverting Solder

Spartan Peripheral Devices 3 way V325 diverting valve body cavities are designed for hot or chilled water and 50% glycol with a standard ED cartridge. For specifications see Spartan cartridges data sheet.

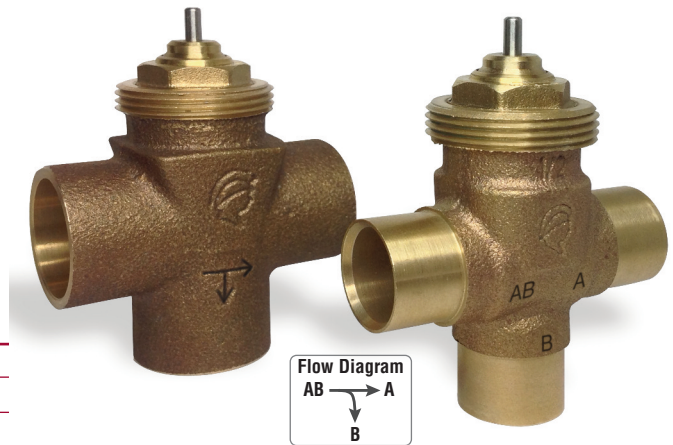
They are compatible and interchangeable with the complete line of Spartan control valve actuators (wireless, electric, electronic and pneumatic). For specifications see Spartan actuators data sheet.

The commercial application globe valve bodies utilize low zinc anti dezincification bronze and are guaranteed for the life of the piping.

### General Specifications

Body Material	Low zinc bronze, alloy C84400
Pressure Rating	ANSI 250 (400 PSI at 32°F to 150°F, 250 PSI at 250°F) PN25
Max. Test Pressure	1200 PSI (81 bar)
Max. ΔPressure	50 PSI (3.5 bar) can be exceeded but with possible water noise
Valve Stem	"Mirror – maker" burnished 303 stainless steel stems
Rangeability	100:1 (see cartridge data sheet)
Stem Travel	5/32" (4mm)
Stem Position	UP = valve open from port AB to A
CV	Select ED cartridge with CV 1.0, 2.0, 3.0
Bottom Port B	By-pass port CV 2.0

Select ED Type cartridge. For full specifications see cartridge data sheet.



V325-34S - 3/4" size

V325-12S - 1/2" size

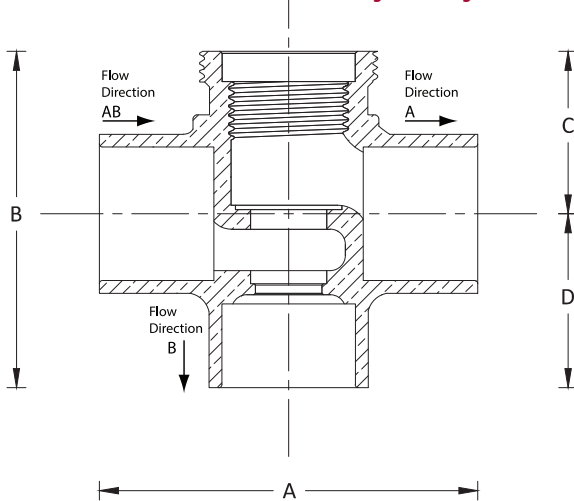
1/2" Valve	A	B	C	D
V325-12	2.24" (56.89)	2.21" (56.13)	1.09" (27.69)	1.12" (28.45)
3/4" Valve				
V325-34	2.48" (63.00)	2.21" (56.13)	1.09" (27.69)	1.14" (28.45)

Weight including ED cartridge:

1/2" - 6.4 oz (180g)

3/4" - 8.5 oz (240g)

### Dimensions: V325 Valve Body Cavity



### Installation and Flow Direction

**IMPORTANT:**

#### 1/2" Valve

When installing it is essential that the flow enters into the AB common inlet port. When the stem is up the flow will exit through the A port, when the stem is down the flow will exit through the B port.

#### 3/4" Valve

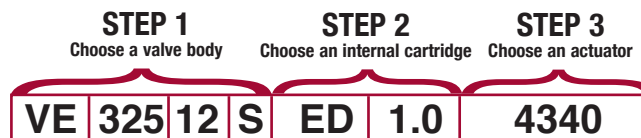
When installing it is essential that the flow follows the arrow that is embedded into the valve body casting.

The packing, plunger and cartridge can be easily replaced by using the AV08 Packing Wrench.

### HOW TO ORDER

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

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



Actuator Type - see Data Sheets

Cv Value 1.0, 2.0, 3.0

Cartridge Type - see Data Sheet

S = Direct Solder Valve Body

Size - 12 = 1/2" (16mm) OD copper pipe, 3/4 = 3/8" (22mm) OD copper pipe

Valve Body Type - 3 way solder

Valve Assembly Type - Select E for Electric, P for Pneumatic, or T for Thermostatic