



## V222 Normally Closed 2 Way Union Valve Body with Union Connections on both ports

Spartan Peripheral Devices 2 way V222 is a normally closed valve body cavity available in 1.0, 2.0, and 3.0 CVs. It will accept 1/2" or 3/4" NPT/BSP or solder type unions, on both ports. The commercial application globe valve bodies utilize low zinc anti dezincification bronze and are guaranteed for the life of the building. They are designed for hot or chilled water and 50% glycol with ER type packing, or for low pressure steam with RV type packing. To be used in normally closed applications with Spartan pneumatic MP5100, MP5300 and MP5400 actuators.



Internal cartridge is not field removable in this valve body only.

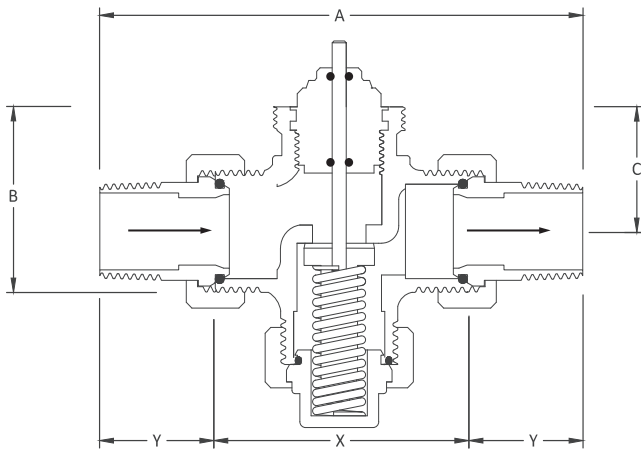
### Valve Body Specification

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 stainless steel stems
Rangeability	100:1
Stem Travel	5/32" (4mm)
Stem Position	UP = valve closed (default position), DOWN = valve open

### Internals Specification

Valve Seat	Intergal bronze
Valve Disc/Plunger	EDPDM/Brass
Valve Spring	Stainless steel
Packing	Double EPDM
Valve Stem	Stainless Steel burnished mirror finish
Water rated	250°F, 120°C with ER type packing
Steam Rated	15psi max. with RV type packing

### Dimensions: V222 Valve Body Cavity



Select Spartan alternative union types from dimensional tables. You can mix union's size or type on the same valve body.

#### DIMENSIONS FOR 1/2" ASSEMBLY (inches)

Standard V222-12N assembly with 1/2" threaded union					
A	x	y	B	C	UNION TYPE
4-1/4	2-1/4	1	1-5/8	1-1/8	AV6112
For different sized union, order V222 cavity & union below					
5-1/4	2-1/4	1-1/2	1-5/8	1-1/8	AV6112D
5-3/4	2-1/4	1-3/4	1-5/8	1-1/8	AV6112E
6-1/4	2-1/4	2	1-5/8	1-1/8	AV6112F
6-3/4	2-1/4	2-1/4	1-5/8	1-1/8	AV6112G
7-1/4	2-1/4	2-1/2	1-5/8	1-1/8	AV6112H

Standard V222-12S assembly with 1/2" solder union (3/8" pipe)					
A	x	y	B	C	UNION TYPE
4-1/4	2-1/4	1	1-5/8	1-1/8	AV6312

#### DIMENSIONS FOR 3/4" ASSEMBLY (inches)

Standard V222-34N assembly with 3/4" threaded union					
A	x	y	B	C	UNION TYPE
5-1/4	2-3/4	1-1/4	2-1/4	1-1/8	AV6134
Standard V222-34S assembly with 3/4" solder union (7/8" pipe)					
6-3/4	2-3/4	2	2-1/4	1-1/8	AV6334

Weight of valve body without union: 7.8oz (220g)

### Installation and Flow Direction

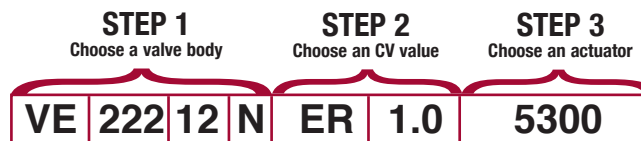
#### IMPORTANT:

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

Select to include with standard nipple:  
V222-12N for 1/2" threaded union.  
V222-34N for 3/4" threaded union.  
V222-12S for 1/2" solder union.  
V222-34S for 3/4" solder union.

### HOW TO ORDER

1. Choose your valve body.
  2. Choose an actuator.
- For a complete overview, see our Zone Valve Selection Guide.



Actuator Type - select from MP5100, MP5300, MP5400

Cv Value 1.0, 2.0, 3.0

Select packing type ER for water or RV for steam applications

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

Valve Size - 12 = 1/2", 34 = 3/4"

Valve Body Type - 2 way union both ports

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