



V222 Normally Closed 2 Way Union Valve Body with 1/2" and 3/4" Union Connections on both ports

Spartan Peripheral Devices 2 way V222 is a normally closed valve body 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. Inline replaceable and interchangeable packing are designed for hot or chilled water and 50% glycol with EC type, or for low pressure steam with RV type. To be used in normally closed applications with Spartan pneumatic MP5100, MP5300 and MP5400 actuators.

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

Internals Specification

Rangeability	100:1
Stem Travel	5/32" (4mm)
Stem Position	UP = valve closed (default position), DOWN = valve open
Valve Seat	Intergal bronze
Valve Disc/Plunger	EDPDM/Brass
Valve Spring	Stainless steel
Packing	Double EPDM
Valve Stem	303 Stainless Steel burnished mirror finish
Water rated	250°F, 120°C with EC type packing cartridge
Steam Rated	15psi max. with RV type packing cartridge
Available CVs	1.0, 2.0, 3.0



The internal cartridge is removable and replaceable without removing the valve body from the line.

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

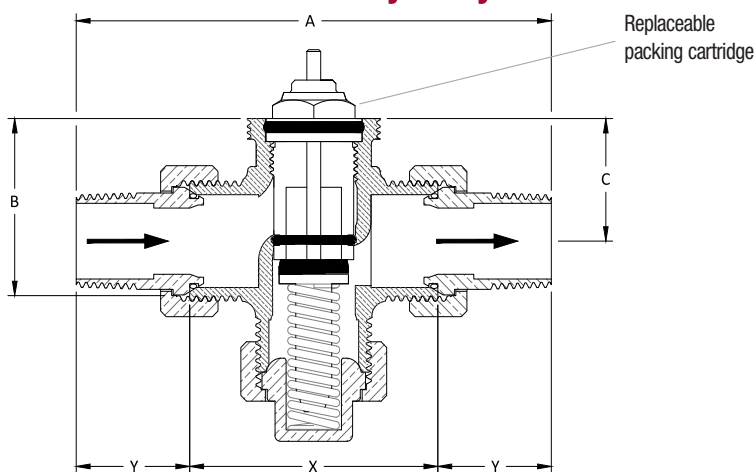
Standard V222-12S assembly with 1/2" solder union (3/8" pipe)					
A	x	y	B	C	UNION TYPE
4-1/4	2-1/4	1	1-5/8	1-1/8	AV6312

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)

Dimensions: V222 Valve Body Cavity



Select type of union to include with valve body
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.

STEP 1
Choose a valve body

STEP 2
Choose an CV value

STEP 3
Choose an actuator

VP 222 12 N EC 1.0 5300

Actuator Type - select from
MP5100, MP5300, MP5400

Cv Value 1.0, 2.0, 3.0

Select packing type EC 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 P for Pneumatic

HOW TO ORDER

1. Choose your valve body.
2. Choose an actuator.