



V241 Series 2 Way Union Valve Body with Female Threaded Port In & Union Connection Port Out

Spartan Peripheral Devices 2 way V241 series globe control valve bodies, with female inlet and union outlet, are available in 1/2", 3/4" and 1" sizes.

They 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. See *Spartan cartridges data sheet*.

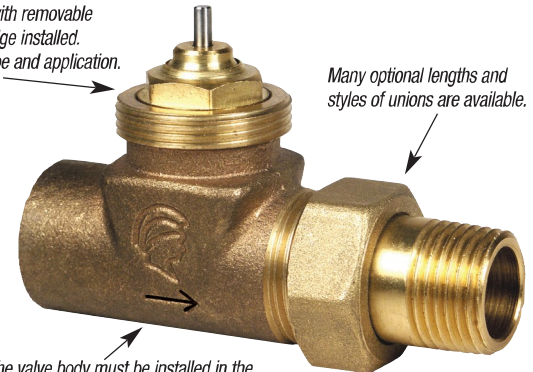
They are compatible and interchangeable with the complete line of Spartan control valve actuators (wireless, electric, electronic, pneumatic and thermostatic). See *Spartan cartridges data sheet*.

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

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

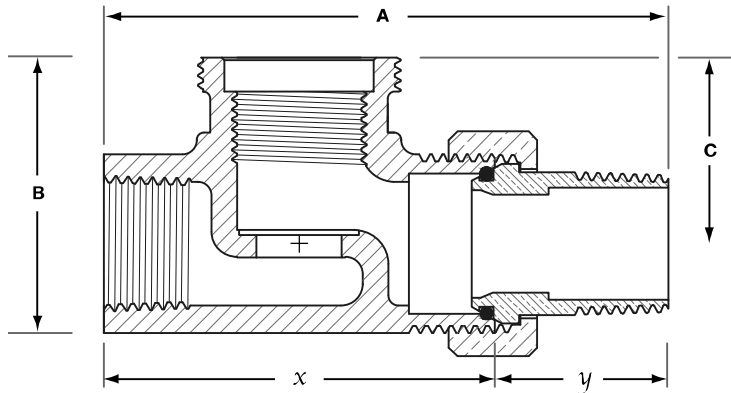
Valve shown with removable packing cartridge installed. Select from type and application.



Many optional lengths and styles of unions are available.

The valve body must be installed in the direction indicated on the valve body cavity.

Dimensions



Select to include with standard nipple:
V241-12N for 1/2" threaded union. V241-34N for 3/4" threaded union.
V241-10N for 1" threaded union. **Select CV from cartridge type.**

DIMENSIONS FOR 1/2" VALVES (inches)

V241-12N 1/2" valve body with Standard Union included					
A	x	y	B	C	UNION TYPE
3-1/4	2-1/4	1	1-5/8	1-1/8	AV6112
V241-12N 1/2" valve body with Optional Union (order separately)					
2-3/4	2-1/4	1-1/2	1-5/8	1-1/8	AV6112D
3	2-1/4	1-3/4	1-5/8	1-1/8	AV6112E
4-1/4	2-1/4	2	1-5/8	1-1/8	AV6112F
4-1/2	2-1/4	2-1/4	1-5/8	1-1/8	AV6112G
4 3/4	2-1/4	2-1/2	1-5/8	1-1/8	AV6112H

DIMENSIONS FOR 3/4" VALVES (inches)

V241-34N 3/4" valve body with Standard Union included					
A	x	y	B	C	UNION TYPE
4	2-3/4	1-1/4	2-1/4	1-1/8	AV6534
V241-34N 3/4" valve body with Optional Union (order separately)					
4-5/8	2-3/4	2	2-1/4	1-1/8	AV6534F
5-1/4	2-3/4	2-1/2	2-1/4	1-1/8	AV6534H

DIMENSIONS FOR 1" VALVES (inches)

V241-10N 1" valve body with Standard Union included					
A	x	y	B	C	UNION TYPE
4-7/8	3-5/8	1-1/4	2-1/2	1-1/4	AV6810

WEIGHTS

Weight with packing and standard union			
	V241-12	V241-34	V241-10
Lbs	0.7	1.0	2.0
gr.	310	480	900

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.

HOW TO ORDER

- Choose your valve body.
- Choose an internal cartridge according to your application and CV. See *Spartan cartridges data sheet*.
- Choose an actuator.

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



Actuator Type - see Data Sheets

Cv Value

Cartridge Type - see 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 - 241 = female threaded port in, union connection port out

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