



## V240FLT Series 2 Way Union Valve Body 1/2", 3/4" and 1" with Flat Union Connections on both ports

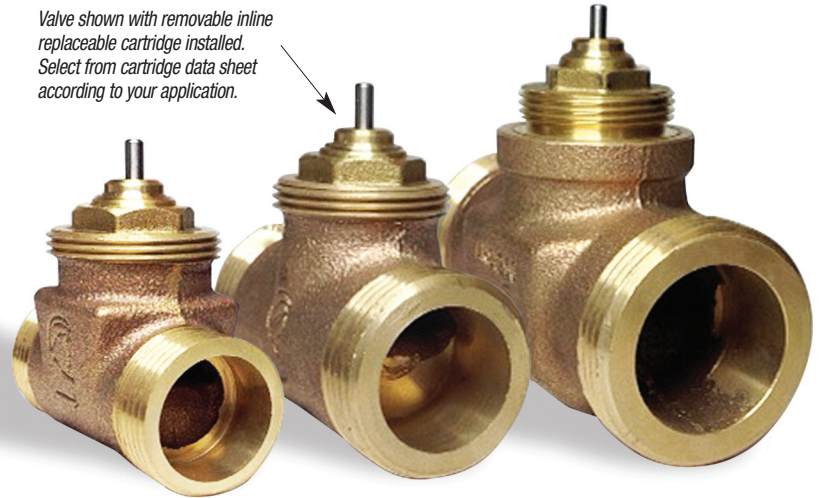
Spartan Peripheral Devices 2 way V240FLT series globe control valve bodies, with flat union connections on both ports, are available in 1/2", 3/4" and 1" sizes. These valve bodies will accept a variety of flat unions made by many manufacturers (compatible with Pro Press, Pex, Solder Type and others for a variety of pipes).

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 actuators data sheet.

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

Valve shown with removable inline replaceable cartridge installed. Select from cartridge data sheet according to your application.



### 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, with "Equal % flow cartridge"
Stem Travel	5/32" (4mm)
Stem Position	UP = valve open (default position), DOWN = valve closed
Available CVs 1/2" & 3/4"	0.15, 0.50, 1.00, 1.50, 2.00, 2.50, 3.00, 3.50, 4.50
Available CVs 1"	6.00, 6.40, 8.00, 9.00

Choose from many different cartridge types (EB, EP, EV) to suit your application. See separate cartridge data sheet.

### 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.  
V24020 - for 1/2" union  
V24025 - for 3/4" union  
V24032 - for 1" union



Then choose a cartridge to suit your application (from EP, EB, EV versions) and CV value .

See Spartan cartridges data sheet.

These two items will complete your valve body assembly ie **V24020 - EP1.0**

- When ordering unions separately add these Spartan flat unions to your order

AV6112FLT - 1/2" NPT Union  
AV6534FLT - 3/4" NPT Union  
AV6810FLT - 1" NPT Union  
AV6312SFLT - 1/2" Solder Union  
AV6534SFLT - 3/4" Solder Union  
AV6810SFLT - 1" Solder Union

or use other flat union manufacturers such as Prop Press and Pex.

- Choose an actuator from our vast range to suit your application.



Choose from:-

Electric - Fail Last Position,  
Electric - Spring Return (Fail Safe),  
Wireless, Thermo-Electric,  
Pneumatic, Thermostatic

For an overview click here

### Dimensions

Part No.	A	Used with	B	C
V24020	3/4" BSPP	1/2" unions (53,5)	2 1/4" (27,7)	1 1/8" (27,7)
V24025	1" BSPP	3/4" unions (63,5)	2 1/2" (27,7)	1 1/8" (27,7)
V24032	1 1/4" BSPP	1" unions (91,7)	3 3/4" (30,8)	1 1/4" (30,8)

Weight: 1/2" - 8.5oz (240g), 3/4" - 12.7oz (360g)  
1" - 33.2oz (940g)

