Valve and valve manifold assembly VS





Your best choice!

Highlights

VUVS

- Sturdy with high flow rates
- Can be expanded into valve manifold assemblies
- Easy to use
- Electrically and pneumatically actuated valves

VTUS

- Supply rail or supply plate
- Freely combinable

With its flat, continuous surfaces, impact-resistant materials and easy to clean, rugged design, the modular system of the VS range will provide you with everything, from the encapsulated O-ring to the soft-sealing poppet valve. Configure your own individualised, powerful variants and find out how to create the most attractively priced solutions.

Individual valves VUVS

Often used decentrally in exposed places, they have to be able to withstand anything and at the same time look the part. Pleasingly simple on the outside, reliable and sturdy on the inside, this is the perfect combination to meet a multitude of requirements, even in challenging environmental conditions. Especially the poppet variant stands out in these types of situations.

More on this on pages 4-7 and page 10.

→ www.festo.com/vuvs

Valve manifold assemblies VTUS

Valve manifold assemblies are often used in decentralised locations and can feature either the same or different valve types; this is made easy thanks to their uniform characteristics. Whether on profile rails or supply plates, with or without pressure zones, you can configure the manifolds exactly in line with your needs.

More on this on pages 8 − 9. → www.festo.com/vtus

Low-cost, high flow, sturdy and simple

Valve and valve manifold assemblies VS – a significantly durable product range

The complete product range at a glance

These are the advantages of a matching valve range:

- Same widths
- Same accessories
- Freely combinable
- Can be expanded at any time
- Can be modified at any time

Individual valves VUVS

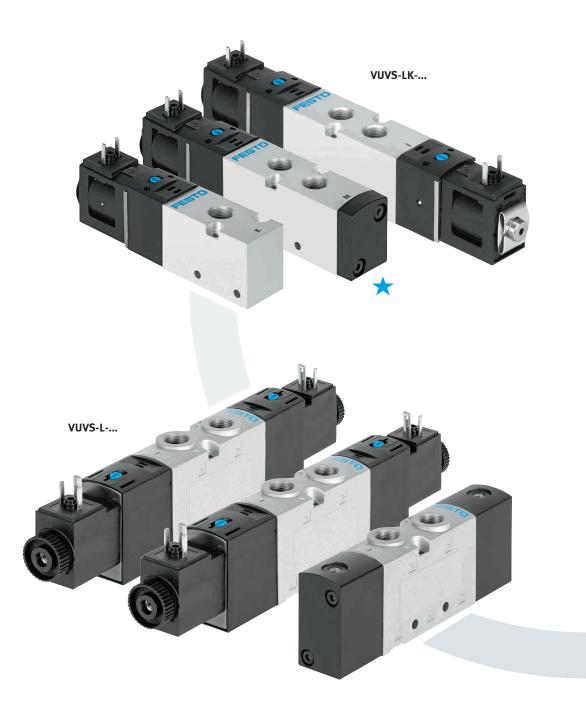
Every product in the range has its own coil head. These can be rotated in four different outlet directions as required and they are also easy to interchange. This helps to ensure a space-saving and uncluttered layout, and keeps distances short. And, last but not least, this creates a very organised impression.

Easy: from the individual valve to the valve manifold assembly

A good example of the easy-toinstall philosophy from Festo. Just mount it on the manifold rail to turn an individual valve into a valve manifold assembly with up to 10 valve positions. That is quick, easy and makes the VTUS compact.

Delivered directly to the shop floor

Save time, money and installation effort by letting us deliver the pre-assembled valve terminals directly to the shop floor.





🛨 Festo core product range

covers 80% of your automation tasks

Worldwide: always in stock

Excellence: Festo quality at an attractive price **Easy:** just a few clicks to place an order online

Fast: usually ready for dispatch from the Festo factory in 24 hours



Safe: central supply via a plate

When using a PRS supply plate, both the exhaust air and the supply air are ducted centrally. Extra-large lateral screw connections enable many valves to be supplied, and prevent back pressure from the exhaust air impacting on the valve function. In addition, integrated check valves ensure reliability in all switching operations.

Central supply via a rail

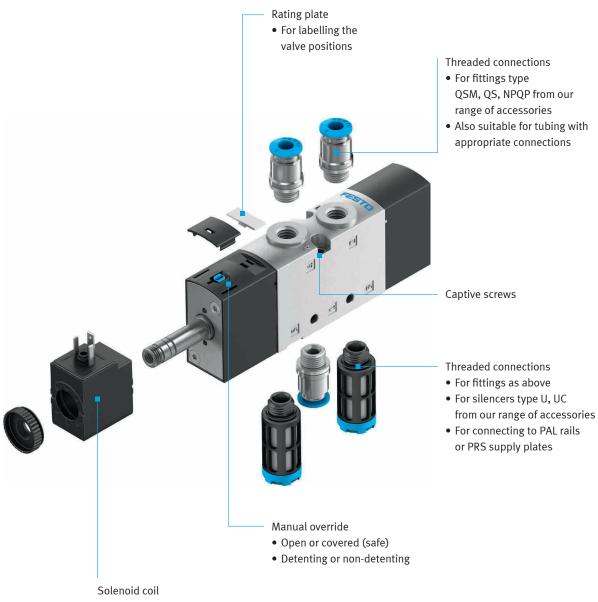
With a PAL manifold rail, up to 16 valve positions can be pressurised centrally. Exhaust takes place via silencers or directly via tubing. This variant is often used as a slim, cost-effective bundled version of 3/2-way and 5/2-way valves.

Whather DWIS ATEX safe

Whether PWIS, ATEX, safety or fast-switching, your valve or valve manifold assembly should be equipped for that purpose. And since all the different requirements cannot be met with just one solution, there are other, related products within the range, all with their own characteristics. This means that you can optimally adapt your solution to the task in hand; in addition, you also have the option that allows

you to respond appropriately to ever faster change cycles. Size two to four additional valve positions for subsequent adjustments, or create a compact design that still has different voltages and pressure levels in one valve manifold assembly.

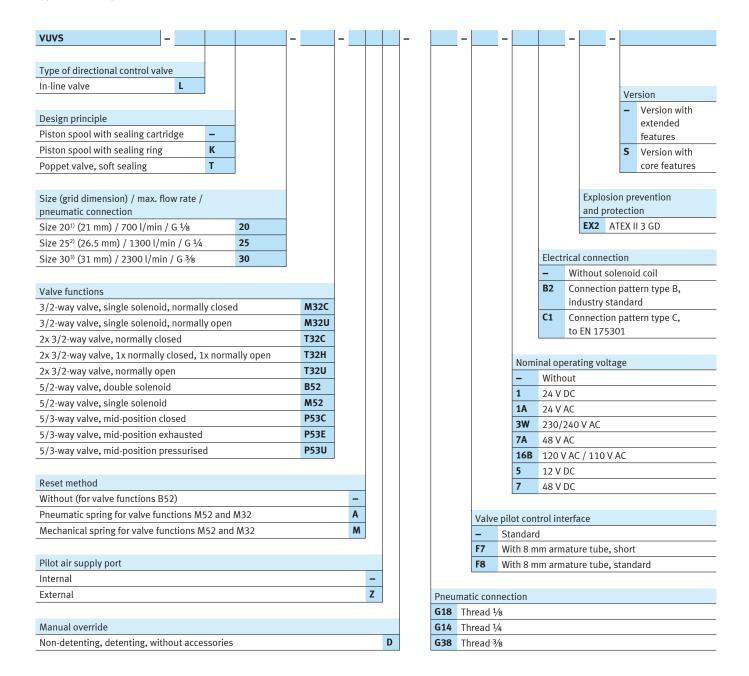
	PWIS-free	ATEX	Safety	Fast switching
VUVS-L	_	•	_	_
VUVS-LK	_	_	_	_
VUVS-LT	_	•	_	•



- For socket type A, B2 or C
- With nominal voltage 24 V DC, 120 V AC, 240 V AC

Solenoid valves VUVS

Type code configurable online



Order information - Solenoid valves VUVS



Configurable product

This product and all its variants can be ordered via the configurator.

You can find the configurator under Products

→ www.festo.de/catalogue/vuvs

Enter the configuration part number in the search field:

¹⁾ Size 20: 576516

²⁾ Size 25: 8022014 ³⁾ Size 30: 8022017

, 5 .

Valve functions and accessories

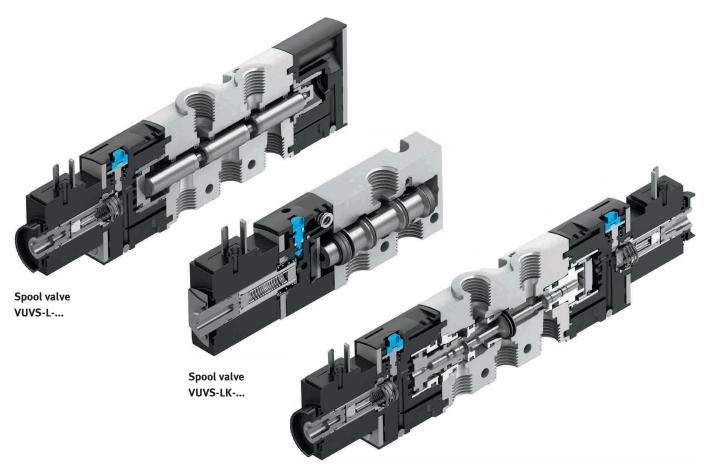
The secret of the success of the VS series is on the inside thanks to excellent engineering.

The patented cartridge principle makes the VUVS the most powerful valve in its class. Internal, positive-locking and made of particularly stable materials: three reasons for the superb sealing characteristics of the VUVS. And a major reason for extremely high flow rates.

Neatly separated pressures mean that overlapping between the air ducts during dual pressure operation, common in other valves, does not happen with the VUVS.

Reversible: two pressures in one valve (compressed air at ports 3 and 5) – the exhaust air flows through port 1.

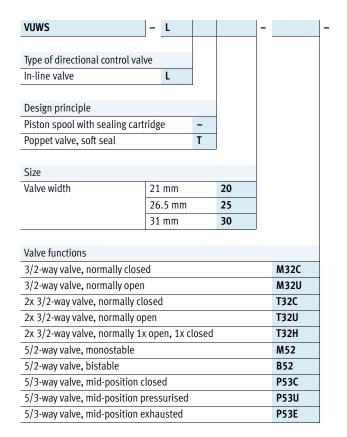
The patented cartridge. Its design, layout and materials ensure exceptionally high performance.



Poppet valve VUVS-LT-...

Pneumatic valves VUWS

Type code configurable online



	-		-		
			Exhausting		
			 Without fitting 		
			QN With fitting		
			U1 Silencer with metal housing		Silencer with metal housing
			U3 Silencer with polymer housing		Silencer with polymer housing
			U5 Silencer with sintered housing		Silencer with sintered housing
	F	Pneumatic connection			ion
	(G18	Thread G 1/8		
	(G14	Thread G 1/4		
	(G38	Thread G 3/8 Push-in connector 4 mm Push-in connector 6 mm Push-in connector 8 mm Push-in connector 10 mm		
	(Q4			
	(Q6			
	(Q8			
	(Q10			
	(Q12	Push-in connector 12 mm		
	-				
Type of res	et				
-	None	one (for bistable valves)			
Α	Pneu	neumatic spring			
E	Pneu	neumatic spring, external			
M	Mech	Mechanical spring			

Order information - Pneumatic valves VUVS



Configurable product

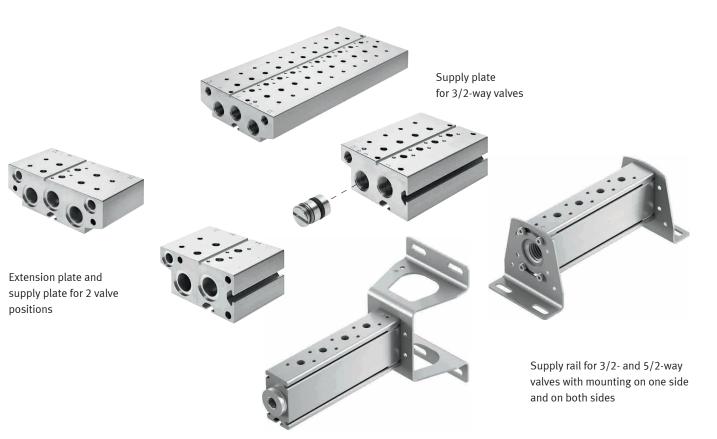
This product and all its variants can be ordered via the configurator.

You can find the configurator under Products

→ www.festo.de/catalogue/vuws

Valve manifold assembly and variants

Supply plate for 5/2-way valves



Order information - Manifold rail variants VABM



Configurable product

This product and all its variants can be ordered via the configurator.

You can find the configurator under Products

→ www.festo.de/catalogue/vabm

Enter the configuration part number in the search field: 573605

Mounting accessories VAME-...

Mounting bracket for single mounting or double mounting

Single mounting internal or external



Mounting plateAlso suitable for profile mounting







Mounting plate

Can be used for all sizes





H-rail bracketsTo click into H-rails



Order information - Manifold rail variants VAME



Configurable product

This product and all its variants can be ordered via the configurator.

You can find the configurator under Products

→ www.festo.de/catalogue/vame

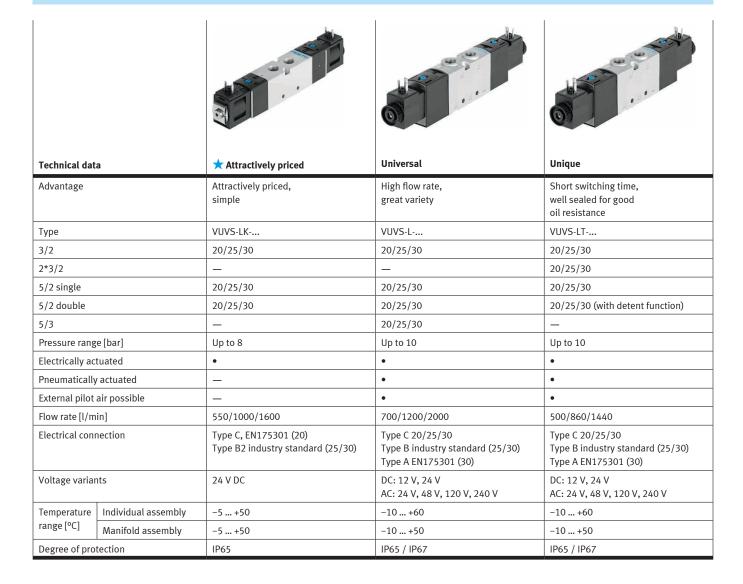
Valve and valve manifold assembly VS

Pneumatic valves VUWS-...



Technical data			
Width [mm]	20	25	30
VUWS	G1/8	G1/4	G3
Valve function	5/2, 5/3, 3/2		
Pressure range [bar]	0 10		
Flow rate [l/min]	700	1200	2000
Temperature range [°C]	-10 +60		

Solenoid valves VUVS-...



Productivity

Maximum productivity is a question of ambition

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