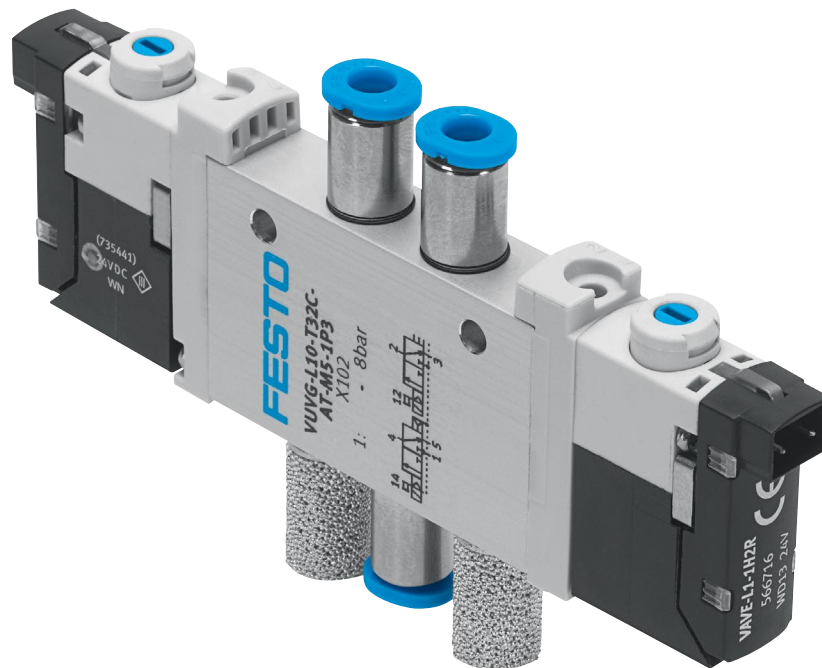
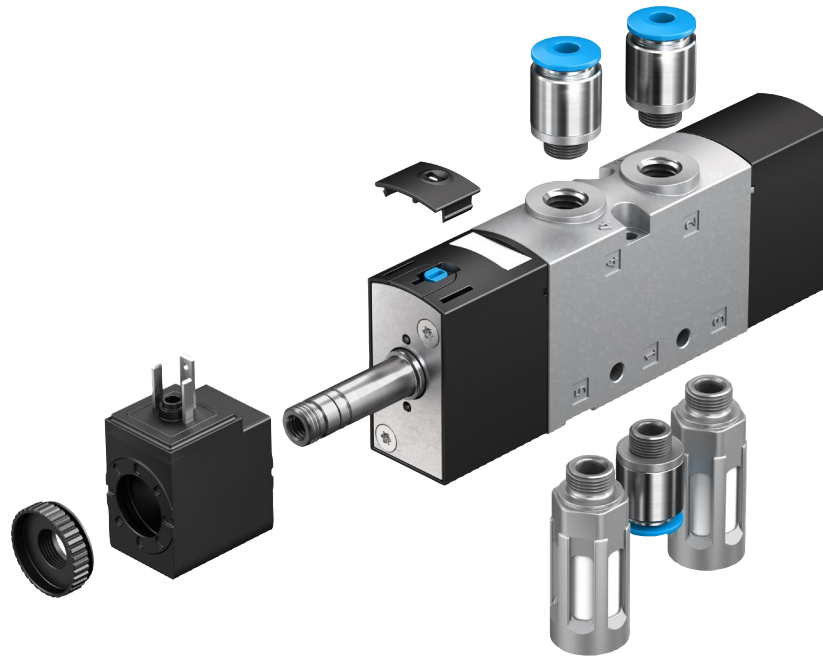


Order guide for standalone valves VUVS/VUVG

FESTO



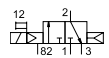
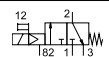
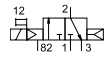
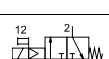
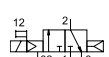
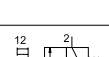
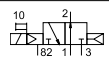

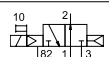


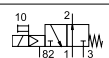
VUVS

Type codes

VUVS		L	
Valve design		In-line valve, individual valve	
Design principle		Piston spool with sealing cartridge	
		Piston spool with sealing ring	
Width/max. flow rate		21 mm / 700 l/min	
		26.5 mm / 1,300 l/min	
		31 mm / 2,300 l/min	
Valve functions		5/2-way valve, double solenoid	
		5/2-way valve, single solenoid	
		5/3-way valve, mid-position closed	
		5/3-way valve, mid-position exhausted	
		5/3-way valve, mid-position pressurised	
		3/2-way valve, NC	
		3/2-way valve, NO	
Reset method		None (for valve functions B52 & P53)	
		Pneumatic spring	
		Mechanical spring	
Pilot air supply		Internal	
		External	
Manual override		Detenting, without accessories	
		Covered	
		Non-detenting	
Design		Variants with extended features	
		Variants with focused features	
IP standard		Standard IP65	
		IP67	
Electrical connection box		None	
		Connection pattern type C, to EN 175301	
		Connection pattern type B, industry standard	
Operating voltage		None	
		24 V DC	
		24 V AC	
		230 V AC	
		12 V DC	
		120 V AC	
Valve pilot control interface		Standard	
		With 8 mm armature tube, short	
		With 8 mm armature tube, standard	
Exhausting		Without fitting	
		With fitting	
		Silencer with metal housing	
		Silencer with polymer housing	
Pneumatic connection		Thread G $\frac{1}{8}$	
		Thread G $\frac{1}{4}$	
		Thread G $\frac{3}{8}$	
		Thread N $\frac{1}{8}$	
		Thread N $\frac{1}{4}$	
		Thread N $\frac{3}{8}$	
		Push-in connector, metric, 4,6,8,10,12	
		Push-in connector, imperial, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{16}$, $\frac{1}{32}$	

Configurable valve	Part number
VUVS-20	576516
VUVS-25	8022014
VUVS-30	8022017

★ VUVS ordering data - 3/2-way valves

Pneumatic connection		Pilot	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{3}{8}$	N $\frac{1}{8}$	N $\frac{1}{4}$	N $\frac{3}{8}$
Size (grid dimension)			20 (21 mm)	25 (26.5 mm)	30 (31 mm)	20 (21 mm)	25 (26.5 mm)	30 (31 mm)
Symbol *	Reset method		Part number	Part number	Part number	Part number	Part number	Part number
3/2-way valve, single solenoid, normally closed								
– Without coil								
	Pneumatic spring	Internal pilot	575255	575471	575564	575694	575544	575637
		External pilot	575257	575472	575565			
	Mechanical spring	Internal pilot	575260	575473	575566	575695	575545	575638
		External pilot	575259	575474	575567			
With coil connection pattern type C, to EN 175301								
	Pneumatic spring	Internal pilot	★ 8043213					
		External pilot	575269	★ 575475	★ 575568			
	Mechanical spring	Internal pilot	★ 575274	★ 575477	★ 575570			
		External pilot	575273	575478	575571			
With coil connection pattern type B, industry standard								
	Pneumatic spring	Internal pilot		★ 8043217				
		External pilot		575479	575572			
	Mechanical spring	Internal pilot		575480	575573			
		External pilot		575481	575574			
3/2-way valve, single solenoid, normally opened								
– Without coil								
	Pneumatic spring	Internal pilot	575256	575486	575579	575698	575548	575641
		External pilot	575258	575487	575580			
	Mechanical spring	Internal pilot	575262	575488	575581	575699	575549	575642
		External pilot	575261	575489	575582			
With coil connection pattern type C, to EN 175301								
	Pneumatic spring	Internal pilot	575270	575490	575583			
		External pilot	575272	575491	575584			
	Mechanical spring	Internal pilot	575276	575492	575585			
		External pilot	575275	575493	575586			
With coil connection pattern type B, industry standard								
	Pneumatic spring	Internal pilot		575494	575587			
		External pilot		575495	575588			
	Mechanical spring	Internal pilot		575496	575589			
		External pilot		575497	575590			

*All symbols for internally piloted variants only

Order guide for standalone valves

★ VUVS ordering data - 5/2-way valves

Pneumatic connection		Pilot	G ^{1/8}	G ^{1/4}	G ^{3/8}	N ^{1/8}	N ^{1/4}	N ^{3/8}
Width (grid dimension)			20 (21 mm)	25 (26.5 mm)	30 (31 mm)	20 (21 mm)	25 (26.5 mm)	30 (31 mm)
Symbol *	Reset method		Part number	Part number	Part number	Part number	Part number	Part number
5/2-way valve, single solenoid								
– Without coil								
	Pneumatic spring	Internal pilot	575249	575501	575594	575702	575552	575645
		External pilot	575675	575502	575595			
	Mechanical spring	Internal pilot	575250	575509	575602	575704	575554	575647
		External pilot	575679	575510	575603			
With coil connection pattern type C, to EN 175301								
	Pneumatic spring	Internal pilot	★ 8043214					
		External pilot	575676	575504	575597	Coils need to be ordered separate for all NPT valves.		
	Mechanical spring	Internal pilot	★ 575264	★ 575511	★ 575604			
		External pilot	575680	575512	575605			
With coil connection pattern type B, industry standard								
	Pneumatic spring	Internal pilot		★ 8043218				
		External pilot		575506	575599	Coils need to be ordered separate for all NPT valves.		
	Mechanical spring	Internal pilot		575513	575606			
		External pilot		575514	575607			
5/2-way valve, double solenoid								
– Without coil								
	Without spring	Internal pilot	575251	575516	575609	575706	575556	575649
		External pilot	575682	575517	575610			
With coil connection pattern type C, to EN 175301								
	Without spring	Internal pilot	★ 8043215					
		External pilot	575683	575519	575612	Coils need to be ordered separate for all NPT valves.		
	Without spring	Internal pilot		★ 8043219				
		External pilot		575521	575614	Coils need to be ordered separate for all NPT valves.		

*All symbols for internally piloted variants only

Order guide for standalone valves

★ VUVS ordering data - 5/3-way valves

Pneumatic connection		Pilot	G ^{1/8}	G ^{1/4}	G ^{3/8}	N ^{1/8}	N ^{1/4}	N ^{3/8}
Width (grid dimension)			20 (21 mm)	25 (26.5 mm)	30 (31 mm)	20 (21 mm)	25 (26.5 mm)	30 (31 mm)
Symbol *	Reset method		Part number	Part number	Part number	Part number	Part number	Part number
5/3-way valve, mid-position closed								
– Without coil								
	Mechanical spring	Internal pilot	575254	575523	575616	575708	575558	575651
		External pilot	575685	575524	575617			
With coil connection pattern type C, to EN 175301								
	Mechanical spring	Internal pilot	★ 575268	★ 575525	★ 575618	Coils need to be ordered separate for all NPT valves.		
		External pilot	575686	575526	575619			
With coil connection pattern type B, industry standard								
	Mechanical spring	Internal pilot		575527	575620	Coils need to be ordered separate for all NPT valves.		
		External pilot		575528	575621			
5/3 way valve, mid-position exhausted								
– Without coil								
	Mechanical spring	Internal pilot	575252	575537	575630	575712	575562	575655
		External pilot	575691	575538	575631			
With coil connection pattern type C, to EN 175301								
	Mechanical spring	Internal pilot	575266	575539	575632	Coils need to be ordered separate for all NPT valves.		
		External pilot	575692	575540	575633			
With coil connection pattern type B, industry standard								
	Mechanical spring	Internal pilot		575541	575634	Coils need to be ordered separate for all NPT valves.		
		External pilot		575542	575635			
5/3 way valve, mid-position pressurized								
– Without coil								
	Mechanical spring	Internal pilot	575253	575530	575623	575710	575560	575653
		External pilot	575688	575531	575624			
With coil connection pattern type C, to EN 175301								
	Mechanical spring	Internal pilot	575267	575532	575625	Coils need to be ordered separate for all NPT valves.		
		External pilot	575689	575533	575626			
With coil connection pattern type B, industry standard								
	Mechanical spring	Internal pilot		575534	575627	Coils need to be ordered separate for all NPT valves.		
		External pilot		575535	575628			

*All symbols for internally piloted variants only

Order guide for standalone valves

VUVS 20 internally piloted manifold sub-bases				
Valve positions	5/2 and 5/3 valves		3/2 Valves	
	G $\frac{3}{4}$	N $\frac{1}{4}$	G $\frac{1}{4}$	N $\frac{1}{4}$
2	★ 576417	576429	★ 576465	576477
3	476418	576430	576466	576478
4	★ 576419	576431	★ 576467	576479
6	★ 576421	576433	★ 576469	576481
8	★ 576423	576435	★ 467471	576483
10	★ 576425	576437	★ 576473	576485

VUVS 25 internally piloted manifold sub-bases				
Valve positions	5/2 and 5/3 valves		3/2 Valves	
	G $\frac{3}{8}$	N $\frac{3}{8}$	G $\frac{3}{8}$	N $\frac{3}{8}$
2	★ 8026261	8026270	★ 8026297	8026306
3	8026262	8026271	8026298	8026307
4	★ 8026263	8026272	★ 8026299	8026308
6	★ 8026265	8026274	★ 8026301	8026310
8	★ 8026267	8026276	★ 8026303	8026312
10	★ 8026269	8026278	★ 8026305	8026314

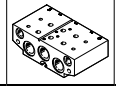
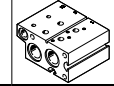
VUVS 30 internally piloted manifold sub-bases				
Valve positions	5/2 and 5/3 valves		3/2 Valves	
	G $\frac{1}{2}$	N $\frac{1}{2}$	G $\frac{1}{2}$	N $\frac{1}{2}$
2	★ 8026377	8026386	★ 8026413	8026422
3	8026378	8026387	8026414	8026423
4	★ 8026379	8026388	★ 8026415	8026424
6	★ 8026381	8026390	★ 8026417	8026426
8	★ 8026383	8026392	★ 8026419	8026428
10	★ 8026385	8026394	★ 8026421	8026430

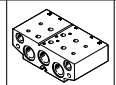
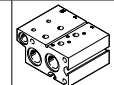
VUVS 20 externally piloted manifold sub-bases			
Valve positions	5/2 and 5/3-way valves		3/2-way valves
	G $\frac{3}{8}$		G $\frac{3}{8}$
2	576339		576441
3	576340		576442
4	576341		576443
6	576343		576445
8	576345		576447
10	576347		576449



VUVS 25 externally piloted manifold sub-bases			
Valve positions	5/2 and 5/3-way valves		3/2-way valves
	G $\frac{1}{2}$		G $\frac{1}{2}$
2	8026243		8026279
3	8026244		8026280
4	8026245		8026281
6	8026247		8026283
8	8026249		8026285
10	8026251		8026287

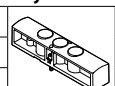
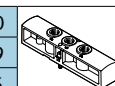
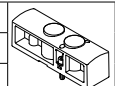
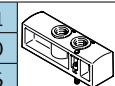
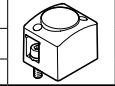
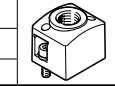
VUVS 30 externally piloted manifold sub-bases			
Valve positions	5/2 and 5/3-way valves		3/2-way valves
	G $\frac{3}{4}$		G $\frac{3}{4}$
2	8026359		8026395
3	8026360		8026396
4	8026360		8026397
6	8026363		8026399
8	8026365		8026401
10	8026367		8026403

Common supply manifolds						
Valve positions	VUVS 20 (21 mm)		VUVS 25 (26.5 mm)		VUVS 30 (31 mm)	
	G $\frac{3}{8}$	N $\frac{3}{8}$	G $\frac{1}{2}$	N $\frac{1}{2}$	G $\frac{3}{4}$	N $\frac{3}{4}$
2	★ 576363	576375	★ 8026219	8026228	★ 8026338	8026347
3	576364	576376	8026220	8026229	8026339	8026348
4	★ 576365	576377	★ 8026221	8026230	★ 8026340	8026349
6	★ 576367	576379	★ 8026223	8026232	★ 8026342	8026351
8	★ 576369	576381	★ 8026225	8026234	★ 8026344	8026353
10	★ 576371	576383	★ 8026227	8026236	★ 8026346	8026355

VUVS 20 externally piloted sub-base extenders			
Valve position	5/2 and 5/3-way valves	3/2-way valves	
2		576489	

VUVS 25 externally piloted sub-base extender			
Valve position	5/2 and 5/3-way valves	3/2-way valves	
2		8026315	

VUVS 30 externally piloted sub-base extender			
Valve position	5/2 and 5/3-way valves	3/2-way valves	
2		8026431	




Manifold accessories			
Size	Blanking plate	Supply plate	
5/2 or 5/3 way valves			
20		★ 576410	
25		★ 8026209	8026318
30		★ 8026335	8026434
3/2 way valves			
20		★ 576411	
25		★ 8026210	8026319
30		★ 8026336	8026435
Common supply			
20		576409	
25		8026208	8026317
30		8026334	8026433

Pressure zone separator			
Size	Type code	Part number	
20	G $\frac{1}{4}$	VABD-10-B	569996
	G $\frac{3}{8}$	VABD-14-B	574483
25	G $\frac{1}{8}$	VABD-8-B	569995
	G $\frac{3}{8}$	VABD-14-B	574483
30	G $\frac{1}{2}$	VABD-17.5-B	8022483
	G $\frac{1}{8}$	VABD-8-B	569995
	G $\frac{1}{2}$	VABD-17.5-B	8022483
	G $\frac{3}{4}$	VABD-22.7-B	8022484

Order guide for standalone valves

Solenoid coil VACS-C for VUVS 20		
Description	Type code	Part number
Connection pattern type C- to EN 175301		
12VDC	VACS-C-C1-5	8025331
24VDC	VACS-C-C1-1	★ 8025330
48VDC	VACS-C-C1-7	8025336
110/120VAC, 50/60hz	VACS-C-C1-16B	8025334
230/240VAC, 50/60hz	VACS-C-C1-3W	8025338

Solenoid coil VACF-B for VUVS 25 & 30		
Description	Type code	Part number
Connection pattern type C- to EN 175301		
12VDC	VACF-B-C1-5	8030810
24VDC	VACF-B-C1-1	★ 8030811
48VDC	VACF-B-C1-7	8030812
110/120VAC, 50/60hz	VACF-B-B2-16B	8030815
230/240VAC, 50/60hz	VACF-B-C1-3W	8030817
Connection pattern type B, industry standard		
12VDC	VACF-B-B2-5	8030801
24VDC	VACF-B-B2-1	★ 8030802
48VDC	VACF-B-B2-7	8030803
110/120VAC, 50/60hz	VACF-B-B2-16B	8030806
230/240VAC, 50/60hz	VACF-B-B2-3W	8030808

Accessories			
Design	Size	Type code	Part number
Seals and screws			
	Size	Type code	Part no.
	20	VAME-B10-20-MK	8026203
	25	VAME-B10-25-MK	8035636
	30	VAME-B10-30-MK	8035637
Cover cap for manual override			
	20-S	VAMC-B10-20-CH2-S	8049538
	25-S	VAMC-B10-25-CH2-S	8049539
	20, 25, 30	VAMC-B10-20-CH2	8028240
Coil seal set for protection class IP67			
	20	VAMC-B10-C-B-S8	2643771
	25, 30	VAMC-B10-B-B-S8	8034609

Fittings and silencers						
Type	Size	Type code	Part no.	Size	Type code	Part no.
Straight Fittings	G $\frac{1}{8}$	QS-1/8-6	★ 153002	N $\frac{1}{8}$	QB-1/8-1/4-U	★ 533273
	G $\frac{1}{4}$	QS-1/4-8	★ 153005	N $\frac{1}{4}$	QB-1/4-5/16-U	★ 533277
	G $\frac{3}{8}$	QS-3/8-10	★ 153008	N $\frac{3}{8}$	QB-3/8-3/8-U	★ 533281
Silencers	G $\frac{1}{2}$	QS-1/2-12	★ 153010	N $\frac{1}{2}$	QB-1/2-1/2-U	★ 533284
	G $\frac{1}{8}$	U-1/8	★ 2307	N $\frac{1}{8}$	U-1/8-B-NPT	★ 12638
	G $\frac{1}{4}$	U-1/4	★ 2316	N $\frac{1}{4}$	U-1/4-B-NPT	★ 12639
	G $\frac{3}{8}$	U-3/8	★ 2309	N $\frac{3}{8}$	U-3/8-B-NPT	★ 12740
	G $\frac{1}{2}$	U-1/2	★ 2310	N $\frac{1}{2}$	U-1/2-B-NPT	★ 12741

Connecting cable KMEB for Type C solenoids			
Description	Cable length	Type code	Part number
Angled socket, 2 pin, 24 VDC, type C			
With LED	2.5m	KMEB-3-24-2,5 LED	547268
Angled socket, 3 pin, 24 VDC, type C			
With LED	2.5m	KMEB-1-24-2,5-LED	151688
Angled socket, 3 pin, 110/230 VAC, type C			
Without LED	2.5m	KMEB-1-230AC-2,5	151690

Connecting cable KMF for Type B solenoids			
Description	Cable length	Type code	Part number
Socket 24 VDC for F solenoids			
With LED	2.5m	KMF-1-24DC-2,5-LED	★ 30935
Plug socket 230 VAC for F solenoids			
Without LED	2.5m	KMF-1-230AC-2,5	30936

Plug socket MSSD			
Description	Voltage	Type code	Part number
Angled Socket, 3 pin, square plug type C			
Screw terminal	250 V AC/300 V DC	MSSD-EB	★ 151687
Angled socket, 3 pin, square plug type B			
Screw terminal	250 V AC/DC	MSSD-F	★ 34431

Illuminating seals		
Description	Type code	Part number
Port pattern type C, to DIN EN 175301-803		
24VDC	MEB-LD-12-24DC	151717
230VAC	MEB-LD-230AC	151718
Port pattern type B, to DIN EN 175301-803		
24VDC	MF-LD-12-24-DC	19143
230VAC	MF-LD-230AC	19144

Order guide for standalone valves

VUVG

Type codes

Valve design	
In-line valve, individual valve	L
Semi in-line valve	S
Sub-base valve	B
Design principle	
Piston spool with sealing cartridge	-
Piston spool with sealing ring	K
Width/max. flow rate/pneumatic connection	
10 mm / 100 l/min / M3	10A
10 mm / 380 l/min / M5, M7	10
14 mm / 780 l/min / G ¹ / ₈	14
18 mm / 1300 l/min / G ¹ / ₄	18
Valve functions	
5/2-way valve, double solenoid	B52
5/2-way valve, single solenoid	M52
5/3-way valve, mid-position closed	P53C
5/3-way valve, mid-position exhausted	P53E
5/3-way valve, mid-position pressurised	P53U
2x3/2-way valve, NC	T32C
2x3/2-way valve, 1x NO, 1x NC	T32H
2x3/2-way valve, NO	T32U
Reset method	
None	-
Pneumatic spring	A
Mixed, pneumatic/mechanical spring	R
Mechanical spring	M
Pilot air supply	
Internal	-
External	Z
Manual override	
Non-detenting	H
Covered	S
Non-detenting, detenting	T
Detenting, without accessories	Y

Design	
-	Variants with extended features
S	Variants with focused features

Connecting cable	
W...	Not sheathed: 1, 2, 3, 4
C...	Sheathed: 1, 2, 3, 4
WS...	Not sheathed: 1, 2, 3, 4
S...	Sheathed: 1, 2, 3, 4
N...	M8x1, 3-pin: 1, 2, 3, 4
N...	M8x1, 4-pin: 5, 6, 7, 8
-	None

Display	
-	None
L	LED

Circuitry	
-	None
R	Holding current reduction with protective circuit

Electrical connection box	
P3	Without electrical connection box
H2	Pin allocation H, horizontal plug
H3	Pin allocation H, vertical plug
R1	Individual plug M8, 4-pin
R8	Individual plug M8, 3-pin
S2	Pin allocation S, horizontal plug
S3	Pin allocation S, vertical plug
L...	With 2x flying leads: 1, 2, 3, 4
K...	Cable: 6, 7, 8, 9

Operating voltage	
1	24 V DC
5	12 V DC
4	5 V DC

Exhaust	
-	Without fitting
U	Silencer
QN	With fitting

Pneumatic connection	
M3	Thread M3
M5	Thread M5
M7	Thread M7
G18	Thread G ¹ / ₈
G14	Thread G ¹ / ₄
F	Flange/sub-base
Q...	Push-in connector, metric: 3, 4, 6, 8, 10
T...	Push-in connector, imperial, 1/4, 1/2, 3/8, 1/16, 1/32

Configurable valve	Part number
VUVG	564212

Order guide for standalone valves

★ VUVG-L/LK ordering data - body ported valve

Pneumatic connection		Pilot	M5	M7	G ¹ / ₈	G ¹ / ₄
Width (grid dimension)			10 mm	10 mm	14 mm	18 mm
Symbol *	Reset method		Part number	Part number	Part number	Part number
2x3/2-way valve, normally closed						
- Without electrical connection box (P3)						
	Pneumatic spring	Internal pilot	★ 566454	★ 566471	★ 566496	574422
		External pilot	566463	566479	566505	
	Mechanical spring	Internal pilot	574348	574356	574368	574425
		External pilot	574352	574360	574372	574434
- Pin allocation H, horizontal plug (H2)						
	Focused variant	Internal pilot	★ 8042538	★ 8042546	★ 8042562	
- Individual plug M8, 3-pin (R8)						
	Focused variant	Internal pilot	★ 8042542	★ 8042550	★ 8042566	
	Pneumatic spring	Internal pilot	★ 577347	★ 574218	★ 574226	★ 8031525
	Mechanical spring	Internal pilot	8031468	8031480	8031504	8031528
2x3/2-way valve, normally open						
- Without electrical connection box (P3)						
	Pneumatic spring	Internal pilot	566455	566472	566497	574423
		External pilot	566464	566480	566506	
	Mechanical spring	Internal pilot	574349	574357	574369	574426
		External pilot	574353	574361	574373	574435
- Individual plug M8, 3-pin (R8)						
	Pneumatic spring	Internal pilot	8031466	574219	574227	8031526
	Mechanical spring	Internal pilot	8031469	8031481	8031505	8031529
2x3/2-way valve, 1x normally open, 1x normally closed						
- Without electrical connection box (P3)						
	Pneumatic spring	Internal pilot	566456	566473	566498	574424
		External pilot	566465	566481	566507	
	Mechanical spring	Internal pilot	574350	574358	574370	574427
		External pilot	574354	574362	574374	574436
- Individual plug M8, 3-pin (R8)						
	Pneumatic spring	Internal pilot	8031467	574220	574228	8031527
	Mechanical spring	Internal pilot	8031470	8031482	8031506	8031530

*All symbols for internally piloted variants only

★ **UVVG-L/LK ordering data - body ported valve**

Pneumatic connection		Pilot	M5	M7	G1/8	G1/4
Width (grid dimension)			10 mm	10 mm	14 mm	18 mm
Symbol *	Reset method		Part number	Part number	Part number	Part number
5/2-way valve, single solenoid						
– Without electrical connection box (P3)						
	Combined spring	Internal pilot	566457	566474		574428
		External pilot	566466	566482		574437
	Pneumatic spring	Internal pilot			566499	
		External pilot			566508	
	Mechanical spring	Internal pilot	574351	574359	574371	574429
		External pilot	574355	574363	574375	574438
– Pin allocation H, horizontal plug (H2)						
	Focused variant	Internal pilot	★ 8042539	★ 8042547	★ 8042563	
– Individual plug M8, 3-pin (R8)						
	Focused variant	Internal pilot	★ 8042543	★ 8042551	★ 8042567	
	Combined spring	Internal pilot	★ 572634	★ 574221		★ 8031531
	Pneumatic spring	Internal pilot			★ 574229	
	Mechanical spring	Internal pilot	8031472	8031485	8031508	★ 8031532
5/2-way valve, double solenoid						
– Without electrical connection box (P3)						
	Without spring	Internal pilot	566458	566475	566500	574430
		External pilot	566467	566483	566509	574439
– Pin allocation H, horizontal plug (H2)						
	Focused variant	Internal pilot	★ 8042540	★ 8042548	★ 8042564	
– Individual plug M8, 3-pin (R8)						
	Focused variant	Internal pilot	★ 8042544	★ 8042552	★ 8042568	
	Without spring	Internal pilot	★ 576664	★ 574222	★ 574230	8031533
5/3-way valve, mid-position closed						
– Without electrical connection box (P3)						
	Without spring	Internal pilot	566459	566476	566501	574431
		External pilot	566468	566484	566510	574440
– Individual plug M8, 3-pin (R8)						
	Without spring	Internal pilot	★ 577346	★ 574223	★ 574231	★ 8031534
5/3-way valve, mid-position exhausted						
– Without electrical connection box (P3)						
	Without spring	Internal pilot	566460	566477	566502	574432
		External pilot	566469	566485	566511	574441
– Individual plug M8, 3-pin (R8)						
	Without spring	Internal pilot	8031475	574225	574233	8031535
5/3-way valve, mid-position pressurized						
– Without electrical connection box (P3)						
	Pneumatic spring	Internal pilot	566461	566478	566503	574433
		External pilot	566470	566486	566512	574442
– Individual plug M8, 3-pin (R8)						
	Without spring	Internal pilot	8031476	574224	574232	8031536

*All symbols for internally piloted variants only

★ **UVVG-B/BK ordering data - sub-base valve**

Pneumatic connection		Pilot	M5/M7	G1/8	G1/4
Width (grid dimension)			10 mm	14 mm	18 mm
Symbol	Reset method		Part number	Part number	Part number
2x3/2-way valve, normally closed					
– Without electrical connection box (P3)					
	Pneumatic spring	External pilot	566487	566513	574443
		Mechanical spring	574364	574376	574446
– Pin allocation H, horizontal plug (H2)					
	Focused variant	Internal pilot	★ 8042554	★ 8042570	
– Individual plug M8, 3-pin (R8)					
	Focused variant	Internal pilot	★ 8042558	★ 8042574	
	Pneumatic spring	External pilot	574234	574242	8031537
	Mechanical spring	External pilot	8031492	578248	8031540
2x3/2-way valve, normally open					
– Without electrical connection box (P3)					
	Pneumatic spring	External pilot	566488	566514	574444
		Mechanical spring	574365	574377	574447
– Individual plug M8, 3-pin (R8)					
	Pneumatic spring	External pilot	574235	574243	8031538
	Mechanical spring	External pilot	8031493	8031517	8031541
2x3/2-way valve, 1x normally open, 1x normally closed					
– Without electrical connection box (P3)					
	Pneumatic spring	External pilot	566489	566515	574445
		Mechanical spring	574366	574378	574448
– Individual plug M8, 3-pin (R8)					
	Pneumatic spring	External pilot	574236	574244	8031539
	Mechanical spring	External pilot	8031494	8031518	8031542

Order guide for standalone valves

★ VUVG-B/BK ordering data - sub-base valve

Pneumatic connection		Pilot	M5/M7	G $\frac{1}{8}$	G $\frac{1}{4}$
Width (grid dimension)			10 mm	14 mm	18 mm
Symbol	Reset method		Part number	Part number	Part number
5/2-way valve, single solenoid					
– Without electrical connection box (P3)					
	Combined spring	External pilot	566490		574449
	Pneumatic spring	External pilot		566516	
	Mechanical spring	External pilot	574367	574379	574450
– Pin allocation H, horizontal plug (H2)					
	Focused variant	Internal pilot	★ 8042555	★ 8042571	
– Individual plug M8, 3-pin (R8)					
	Focused variant	Internal pilot	★ 8042559	★ 8042575	
	Combined spring	External pilot	574237		8031543
	Pneumatic spring	External pilot		574245	
	Mechanical spring	External pilot	578157	578158	8031544
5/2-way valve, double solenoid					
– Without electrical connection box (P3)					
	Without spring	External pilot	566491	566517	574451
– Pin allocation H, horizontal plug (H2)					
	Focused variant	Internal pilot	★ 8042556	★ 8042576	
– Individual plug M8, 3-pin (R8)					
	Focused variant	Internal pilot	★ 8042560	★ 8042576	
	Without spring	External pilot	574238	574246	8031545
5/3-way valve, mid-position closed					
– Without electrical connection box (P3)					
	Without spring	External pilot	566492	566518	574452
– Individual plug M8, 3-pin (R8)					
	Without spring	External pilot	574239	574247	8031546
5/3-way valve, mid-position exhausted					
– Without electrical connection box (P3)					
	Without spring	External pilot	566493	566519	574453
– Individual plug M8, 3-pin (R8)					
	Without spring	External pilot	574241	574249	8031547
5/3-way valve, mid-position pressurized					
– Without electrical connection box (P3)					
	Pneumatic spring	External pilot	566494	566520	574454
– Individual plug M8, 3-pin (R8)					
	Without spring	External pilot	574240	574248	8031548

Order guide for standalone valves

VUVG 10 Manifold sub-bases

Valve positions	Sub-base		
	M5/M7	M5	M7
2	★ 566558	★ 566582	★ 566606
3	★ 566559	★ 566583	★ 566607
4	★ 566560	★ 566584	★ 566608
6	★ 566562	★ 566586	★ 566610
8	★ 566564	★ 566588	★ 566612
10	★ 566566	★ 566590	★ 566614
12	566567	566591	566515
14	566568	566592	566516
16	566569	566593	566517

VUVG 14 Manifold sub-bases

Valve positions	Sub-base valve	
	G $\frac{1}{8}$	G $\frac{1}{4}$
2	★ 566618	★ 566642
3	★ 566619	★ 566643
4	★ 566620	★ 566644
6	★ 566622	★ 566646
8	★ 566624	★ 566648
10	★ 566626	★ 566650
12	566627	566651
14	566628	566652
16	566629	566653

VUVG 18 Manifold sub-bases

Valve positions	Sub-base valve	
	G $\frac{1}{4}$	G $\frac{1}{4}$
2	★ 574455	574467
3	★ 574456	574468
4	★ 574457	574469
6	★ 574459	574471
8	★ 574461	574473
10	★ 574463	574475
12	574464	574476
14	574465	574477
16	574466	574478

Straight fittings

Size	Design	Type codes	Part number
Metric			
M5		QSM-M5-6-I	★ 153317
M7		QSM-M7-6-I	★ 153321
G $\frac{1}{8}$		QS-G1/8-8-I	★ 186109
G $\frac{1}{4}$		QS-G1/4-10-I	★ 186112
G $\frac{3}{8}$		QS-G3/8-10-I	★ 186113
Hybrid			
M5		QSM-M5-1/4-I-U-M	130591
M7		QSM-M7-1/4-I-U-M	183740
G $\frac{1}{8}$		QS-1/8-5/16-I-U-M	183742
G $\frac{1}{4}$		QS-1/4-3/8-I-U-M	183744
G $\frac{3}{8}$		QS-3/8-3/8-I-U-M	183746

Silencers

Size	Design	Type codes	Part number
M5		AMTE-M-LH-M5	★ 1205858
M7		UC-M7	161418
G $\frac{1}{8}$		U-1/8	★ 2307
G $\frac{1}{4}$		U-1/4	★ 2316
G $\frac{3}{8}$		U-3/8	★ 2309

Blanking plugs

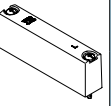
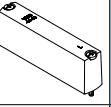
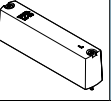
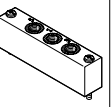
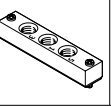
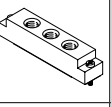
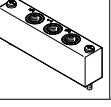
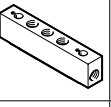
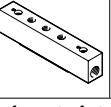
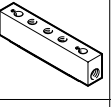
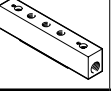
Size	Design	Type codes	Part number
M5		B-M5	★ 3843
M7		B-M7	★ 174309
G $\frac{1}{8}$		B-1/8	★ 3568
G $\frac{1}{4}$		B-1/4	★ 3569
G $\frac{3}{8}$		B-3/8	★ 3570










Electrical connection box VAVE (E-box)

Design	Description	Spark arresting	Type code	Part number
	With flying leads	Bipolar, IP40	VAVE-L1-1VL1-LP	566722
			VAVE-L1-1VL2-LP	566723
			VAVE-L1-1VL3-LP	566724
			VAVE-L1-1VL4-LP	566725
	Horizontal Plug	Bipolar, IP40 Holding current reduction, IP40	VAVE-L1-1VH2-LP	★ 566714
			VAVE-L1-1H2-LR	★ 566716
	Vertical plug	Bipolar, IP40 Holding current reduction, IP40	VAVE-L1-1VH3-LP	566715
			VAVE-L1-1H3-LR	566717
	Round plug, M8, 3-pin	Bipolar, IP65 Holding current reduction, IP65	VAVE-L1-1VR8-LP	★ 573919
			VAVE-L1-1R8-LR	573920
			VAVE-L1-1VR1-LP	573921
			VAVE-L1-1R1-LR	573922

Connecting cable NEBV/connecting cable NEBU

Design	Description	Cable length	Type code	Part number
Socket, 24 VDC, type C solenoids				
	Flying leads, open end; not sheathed (H2,H3)	.05 m	NEBV-H1G2-KN-0.5-N-LE2	★ 566654
		1 m	NEBV-H1G2-KN-1-N-LE2	★ 566655
		2.5 m	NEBV-H1G2-KN-2.5-N-LE2	★ 566656
		5 m	NEBV-H1G2-KN-5-N-LE2	566657
	Individual cable, open end; sheathed (H2,H3)	.05 m	NEBV-H1G2-P-0.5-N-LE2	★ 566658
		1 m	NEBV-H1G2-P-1-N-LE2	★ 566659
		2.5 m	NEBV-H1G2-P-2.5-N-LE2	★ 566660
		5 m	NEBV-H1G2-P-5-N-LE2	566661
	M8 Open end, 3-pin (R8)	2.5 m	NEBU-M8G3-K-2.5-LE3	★ 541333
		5 m	NEBU-M8G3-K-5-LE3	★ 541334
	M8 Open end, 4-pin (R1)	2.5 m	NEBU-M8G4-K-2.5-LE4	541342
		5 m	NEBU-M8G4-K-5-LE4	541343

Blanking and supply plates			
Size	Design	Type code	Part number
Blanking plates			
M5		VABB-L1-10-S	★ 566462
M7		VABB-L1-14	★ 569989
G1/8		VABB-L1-18	★ 574482
Supply plate			
M5		VABF-L1-10-P3A4-M5	569991
M7		VABF-L1-10-P3A4-M7	569992
G1/8		VABF-L1-14-P3A4-G18	569993
G1/4		VABF-L1-18-P3A4-G14	574481
Verticle pressure supply plate			
M7		VABF-L1-P3A3-M7	574592
G1/8		VABF-L1-P3A3-G18	574593
Verticle exhaust plate			
M7		VABF-L1-P7A13-M7	574594
G1/8		VABF-L1-P7A13-G18	574595

Accessories			
Seals and screws VUVG-LK-...S			
Design	Size	Type code	Part number
	M5	VABD-L1-10XK-S-M5-S	★ 8043718
	M7	VABD-L1-10XK-S-M7-S	★ 8043719
	G1/8	VABD-L1-14XK-S-G18-S	★ 8043720
Seals and screws VUVG-L			
Design	Size	Type code	Part number
	M5	VABD-L1-10X-S-M5	★ 566672
	M7	VABD-L1-10X-S-M7	★ 566673
	G1/8	VABD-L1-14X-S-G18	★ 566675
	G1/4	VABD-L1-18X-S-G14	★ 574479
Seals and screws VUVG-B			
Design	Size	Type code	Part number
	M5/M7	VABD-L1-10B-S-M7	★ 566674
	G1/8	VABD-L1-14B-S-G18	★ 566676
	G1/4	VABD-L1-18B-S-G14	★ 574480
Cover cap for manual override			
	Covered	VMPA-HBV-B	540898
	Non-detenting	VMPA-HBT-B	540897
	Detenting without accessory tool	VAMC-L1-CD	8002234
	Inscription label holder	ASLR-D-L1	570818
	H-rail mounting	VAME-T-M4	★ 569998
Separator			
	M5	VABD-8-B	569995
	M7	VABD-10-B	569996
	G1/8	VABD-14-B	574483

Online Shop



With just a few clicks of the mouse, you can order products with ease in the online shop and follow them to your door.

- 24/7 availability
- Check current product availability
- Quick search tools
- Delivery status information
- Relevant price information
- Order tracking
- Import and export parts lists
- Request delivery date

www.festo.us/onlineshop

Support Portal



The support portal provides you with detailed information relating to your product – even after the sale, it is your central platform for all information about products and many other topics.

- Product catalog featuring over 30,000 items
- Central access to all relevant product information
- Contains detailed information for products that are no longer available
- Shows the product life cycle and makes alternative product suggestions

www.festo.us/support

Mobile App



The Festo Mobile App gives you quick and easy access to our FAST™ catalog which features a completed line of industrial automation components with “Same Day”, “3 Day” and “5 Day” availability. The Mobile App is also your on-the-go solutions for tracking and managing product orders.

Download the app today to get started with four easy steps to FAST™ components.

- Log onto your Online Shop Account on the Festo Mobile App.
- Navigate through the FAST catalog to select products of interest
- Click the heart to create a Wish List and email
- Open email and purchase through your Online Shop Account

www.festo.us/mobileapp

Stars in Automation

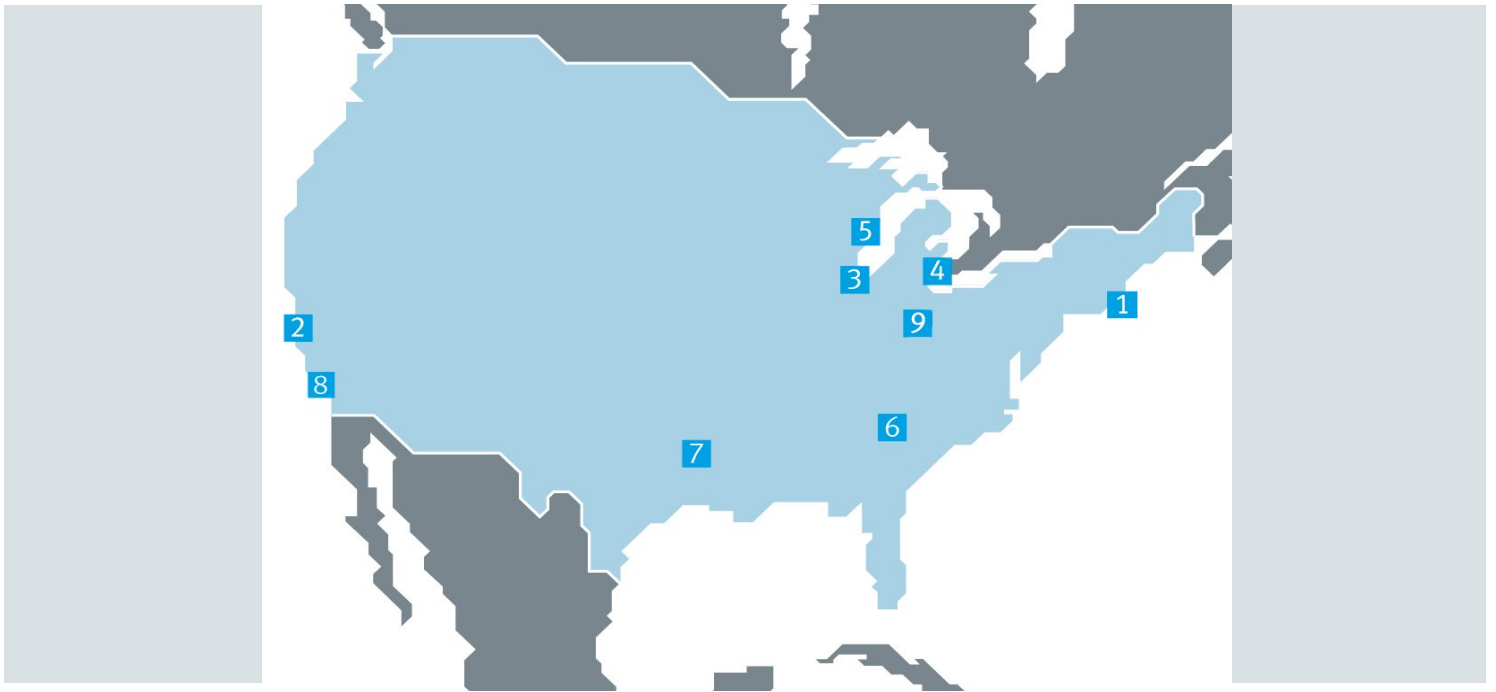


The "Stars in Automation" offers over 2,200 products including valves, cylinders, service units, sensors and accessories. In our online catalog, the "Stars of Automation" are noted with a solid blue star to quickly see what products are available to be shipped within 24 hours. They are also available to order in our Online Shop and can be found on the Festo FAST mobile app. This program offers the quickest way to get Festo quality for a great value.

- Ready for delivery in 24 hours from Festo stock
- Globally in 13 Regional Service Centers in stock
- 2,271 part numbers
- Look for the blue star on thousands of pneumatic products

www.festo.us/stars

Festo - Your Partner in Automation



**1 Festo Corporation
United States Headquarters**
395 Moreland Road
Hauppauge, NY 11788

4 Detroit
1441 West Long Lake Road
Troy, MI 48098

7 Texas
100 Allentown Pkwy, Suite 208
Allen, TX 75002

2 Silicon Valley
4935 Southfront Road, Suite F
Livermore, CA 94550

5 Appleton
N922 Tower View Drive, Suite 200
Greenville, WI 54942

8 Southern California
3183 F Airway Avenue
Costa Mesa, CA 92626



3 Chicago
85 W Algonquin Road, Suite 340
Arlington Heights, IL 60005

6 Charlotte
4600 Lebanon Road, Unit G
Charlotte, NC 28227

9 Regional Service Center
7777 Columbia Road
Mason, OH 45040

Festo Regional Contact Center

Customer Service

Tel: 1 800 99 FESTO (1 800 993 3786)
Fax: 1 800 96 FESTO (1 800 963 3786)
Email: customer.service@festo.com

Product Support

Tel: 1 866 GO FESTO (1 866 463 3786)
Fax: 1800 96 FESTO (1 800 963 3786)
Email: product.support@festo.com



Engineering and Manufacturing Excellence. Festo's Quality Assurance, ISO 9001 Certification

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

The Executive Management Team determines the guidelines of the Quality & Environmental Policy, keeps itself informed regarding quality and environmental performance, and supports the validity of the Quality and Environmental Management System.

Connect with us



www.festo.us/socialmedia

www.festo.us

*Subject to change

02.2017

13116369