

Better connected

FESTO



Everything from a single source – for the ideal combination

Variety is standard at Festo

Our range of tubing and fittings covers every conceivable task. Regardless of whether your selection is determined by standard requirements or extreme conditions such as heat, welding spatter, high pH values or resistance to hydrolysis – at Festo you'll always find the right tubing/fitting combination.

Our product finder helps you arrive at a tailored combination, and our modular tubing system offers more choice. More information is available on the following page.

Easy – from selection to installation

Your selection is simply transferred to the online shop. Purchasing is made convenient and reliable. Try it out and discover how our expertise can make your work easier and make you more productive.



Productivity

We have a very big goal: increasing your productivity. We achieve this goal through simplicity, reliability, efficiency and competency – qualities which you'll also find in our tubing and fittings range. Created by the engineers of productivity.

Simple – because we make selection, purchasing, delivery and assembly easier for you.

Reliable – because errors are practically ruled out with the product finder.

Efficient – because ordering from the online shop is very convenient and you get everything from a single source.

Competent – because Festo has a suitable tubing/fitting combination for every task.

Faster and easier: the product finder for the right tubing and fittings

How do I find the right tubing for my applications? And which fittings match the tubing? It's easy with Festo's integrated product finders in the electronic catalogue. We ask you all the necessary questions so you can make the right selection.

Here's how it works:

Start the product finder by clicking the blue icons in the product tree in the electronic catalogue. Select the technical features, step-by-step, on the left-hand side. A choice of suitable products that match those features will then automatically be displayed on the right-hand side. Plausibility checks ensure that only correct configurations are accepted.

The product finders for tubing and fittings are an essential part of the electronic catalogue and are not available as separate software.

Or:

Get started straightaway via the following links:

→ www.festo.com/productfinder/tubing

→ www.festo.com/productfinder/fittings



Customised tubing from the modular tubing system

Your wish is our command: if you want individualised tubing, our modular tubing system is just what you're looking for. The modular system allows you to:

- Specify individualised lengths and packaging units
- Order customised printing and labelling
- Select from 7 basic colours with others available on request.

The configurator additionally simplifies selection and ordering. Online ordering is already possible in many countries.



Well combined: tubing/fitting combinations for all applications!

The precise selection of the right tubing/fitting combination is above all dependent on the application. Applications often have a single feature that quickly defines the right selection. The overview below of our most

popular tubing/fitting combinations will help you to make the right choice quickly and reliably.

Tubing

Designation	Polyurethane (PU)					Polyethylene (PE)		Polyamide (PA)				PFA ²⁾	PTFE ³⁾
	PUN/PUN-DUO	PUN-H/PUN-H-DUO	PUN-CM	PUN-V0	PUN-V0-C	PEN	PLN	PAN	PAN-R	PAN-V0	PAN-MF	PFAN	PTFEN
Operating medium	Compressed air, vacuum	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum	Compressed air, vacuum, water ¹⁾	Compressed air
Ambient temperature [°C]	-35 ... +60	-35 ... +60	-35 ... +60	-35 ... +60	-35 ... +60	-30 ... +60	-30 ... +80	-30 ... +80	-30 ... +80	-30 ... +90	-60 ... +100	-20 ... +150	-20 ... +150
Temperature-dependent operating pressure [MPa]	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1,4	-0,095 ... +1,9	-0,095 ... +3, 5	-0,095 ... +1,2	-0,095 ... +3,1	-0,095 ... +1,6	-0,095 ... +1,2
Resistant to chemicals	-	+	+	+	+	++	++	+	+	+	+	+++	+++
Food-grade ⁴⁾	-	+++ FDA- and EU-listed material	-	-	-	-	+++	-	-	-	-	+++ FDA-listed material Regulation (EC) 1935/2004	+++ FDA-listed material
Resistant to hydrolysis	+	++	++	++	++	+++	+++	++	++	++	++	+++	+++
Fire test	-	-	-	UL 94 DIN 5510-2	UL 94 DIN 5510-2	-	-	-	-	UL 94	-	UL 94	UL 94
Halogen-free	+++	+++	+++	+++	+++	+++	+++	+++	+++	-	+++	-	-
Flexibility	+++	+++	++	++	++	++	+	++	+	++	+	+	+
Special feature	Wide choice of variants	Resistant to hydrolysis	Antistatic	Flame-retardant	Resistant to welding spatter	Suitable for use with energy chains	Weather resistant	High load bearing capacity	Suitable for pressure up to 3,5 MPa	Resistant to welding spatter	DIN 73378 Automotive approval	Highly resistant to chemicals	Highly resistant to chemicals

Fittings

Designation	Plastic				Metal			
	QS(M)	NPKA	NPQP	QS-V0	NPQM	NPQH	NPCK	NPQR
Operating medium	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, vacuum, water ¹⁾	Compressed air, water ¹⁾
Ambient temperature [°C]	-10 ... +80	-10 ... +60	-20 ... +60	0 ... +60	-20 ... +70	0 ... +150	-20 ... +120	-20 ... +150
Temperature-dependent operating pressure [MPa]	-0,095 ... +1,4	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1	-0,095 ... +1,6	-0,095 ... +2	-0,095 ... +1,2	-0,095 ... +1,6
Housing material	PBT and nickel-plated brass	POM and PA66	PP	PBT	Nickel-plated brass	Nickel-plated brass	Stainless steel	Stainless steel
Thread	M, G and R thread	G thread	R thread	G and R thread	M and G thread	M and G thread	M and G thread	M and G thread
Resistant to chemicals	+	++	+++	+	+	++	+++	+++
Food-grade ⁴⁾	-	+++ FDA-listed material	+++ FDA-listed material	-	-	+++ FDA-listed material Regulation (EC) 1935/2004	+++ FDA-listed material	+++ FDA-listed material Regulation (EC) 1935/2004
Corrosion resistance class (CRC)	1	4	4	1	1	3	4	4
Special features	Wide choice of variants	Cleanroom-compatible, 100% polymer	Highly resistant to chemicals	Resistant to welding spatter	Robust	Resistant to high temperatures	Clean Design	High resistance to corrosion

- 1) Water as per manufacturer's declaration.
Additional information:
→ www.festo.com/supportportal
- 2) Perfluoroalkoxy alkane
- 3) Polytetrafluoroethylene
- 4) Suitable for use with food in accordance with supplementary material information/declaration of conformity
→ www.festo.com/supportportal

Our top combinations for you:

Standard

PEN 	QS 		1 MPa 	Suitable for a wide range of tasks and attractively priced. Flexible thanks to high levels of resistance, easy to install thanks to optimised bending radii. High level of abrasion resistance in dynamic applications.
PUN 	QS 		1 MPa 	Maximum flexibility in standard applications thanks to an extremely wide range of options for combining the different types.
PAN 	QS 		1,4 MPa 	Meets all requirements, even for standard applications with increased pressure and temperature ranges.

High pressures

PAN-MF 	NPQM 		1,6 MPa 	Meets DIN standard 73378: ideal for use in mobile pneumatics. Suitable for increased temperature ranges combined with high pressure ranges.
PAN-R 	NPQH 		2 MPa 	Powerful in pressure ranges up to 2 MPa, for example in applications with the pressure booster DPA.

Resistant to chemicals, food-safe⁴⁾ and hydrolysis-resistant

PLN 	NPQP 		1 MPa 	Resistant to cleaning agents, FDA compliant and economical. Can be used instead of the combination with stainless steel fittings.
PUN-H 	NPKA 		1 MPa 	Resistant to hydrolysis and suitable for water applications. Combination suitable for use in cleanrooms, FDA-compliant and corrosion resistant because it's 100% polymer. Very easy to install thanks to the "one click principle".
PFAN 	NPQH 		1,6 MPa 	For high temperatures up to 150°C. Food-safe ⁴⁾ , FDA-compliant and resistant to cleaning agents.
PFAN 	NPQR 		1,6 MPa 	Optimised design, fewer edges where dirt can collect – all at an attractive price. Food-safe ⁴⁾ . For high temperatures up to 150°C. Pressure range up to 1,6 MPa. Highest level of corrosion resistance (CRC 4).
PFAN 	NPCK 		1,2 MPa 	Easy to clean thanks to the union nut's edge-free design. Maximum resistance to corrosion (CRC 4) and FDA-compliant. Suitable for a wide range of media.

Antistatic

PUN-CM 	NPQM 		1 MPa 	Anti-static tubing plus solid metal fitting: maximum protection for electrical and electronic components.
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Flame-retardant

PUN-V0 	NPQM 		1 MPa 	Its flame-retardant properties provide a high level of safety in areas where there is a risk of fire. The tubing has been tested to DIN 5510-2.
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Resistant to welding spatter

PUN-V0-C 	NPQH 		1 MPa 	Ideal for applications involving welding spatter. Reliable thanks to a tubing wall thickness of 2 mm for all diameters.
PAN-V0 	QS-V0 		1 MPa 	Safe even in the immediate vicinity of welding spatter thanks to the double-walled tubing with special fitting.

Polymer fittings

In the tables below you will find the optimum polymer fittings for the following applications.

Select matching tubing from poster 8 "Plastic tubing" and you will always have the right tubing/fitting combination.



Resistant to chemicals: PLN/NPQP

Resistant to cleaning agents, FDA-listed material and economical. Can be used instead of the combination with stainless steel fittings.



Resistant to hydrolysis: PUN-H/NPKA

Resistant to hydrolysis and suitable for water applications. Combination suitable for use in cleanrooms, FDA-listed material and corrosion resistant because it's 100% polymer. Very easy to install thanks to the "one click principle".

NPQP

Push-in fitting



Type	D1	D2	PU	PN
NPQP-D R1/8 4	10	133041		
NPQP-D R1/8 6	10	133043		
NPQP-D R1/8 8	10	133045		
NPQP-D R1/4 4	10	133042		
NPQP-D R1/4 6	10	133044		
NPQP-D R1/4 8	10	133046		
NPQP-D R1/4 10	10	133047		
NPQP-D R3/8 10	10	133048		
NPQP-D R3/8 12	10	133049		
NPQP-D R1/2 12	1	133050		

Push-in L-fitting



Type	D1	D2	PU	PN
NPQP-L R1/8 4	10	133051		
NPQP-L R1/8 6	10	133053		
NPQP-L R1/8 8	10	133055		
NPQP-L R1/4 4	10	133052		
NPQP-L R1/4 6	10	133054		
NPQP-L R1/4 8	10	133056		
NPQP-L R1/4 10	10	133057		
NPQP-L R3/8 10	10	133058		
NPQP-L R3/8 12	10	133059		
NPQP-L R1/2 12	1	133060		

Push-in L-fitting additional push-in connector



Type	D1	D2	PU	PN
NPQP-LQ R1/8 4	10	133061		
NPQP-LQ R1/8 6	10	133063		
NPQP-LQ R1/8 8	10	133065		
NPQP-LQ R1/4 4	10	133062		
NPQP-LQ R1/4 6	10	133064		
NPQP-LQ R1/4 8	10	133066		
NPQP-LQ R1/4 10	10	133067		
NPQP-LQ R3/8 10	10	133068		
NPQP-LQ R3/8 12	10	133069		
NPQP-LQ R1/2 12	1	133070		

Push-in T-fitting



Type	D1	D2	PU	PN
NPQP-T R1/8 4	10	133071		
NPQP-T R1/8 6	10	133073		
NPQP-T R1/8 8	10	133075		
NPQP-T R1/4 4	10	133072		
NPQP-T R1/4 6	10	133074		
NPQP-T R1/4 8	10	133076		
NPQP-T R1/4 10	10	133077		
NPQP-T R3/8 10	10	133078		
NPQP-T R3/8 12	10	133079		
NPQP-T R1/2 12	1	133080		

Push-in Y-fitting



Type	D1	D2	PU	PN
NPQP-Y R1/8 4	10	133081		
NPQP-Y R1/8 6	10	133083		
NPQP-Y R1/8 8	10	133085		
NPQP-Y R1/4 4	10	133082		
NPQP-Y R1/4 6	10	133084		
NPQP-Y R1/4 8	10	133086		
NPQP-Y R1/4 10	10	133087		
NPQP-Y R3/8 10	10	133088		
NPQP-Y R3/8 12	10	133089		
NPQP-Y R1/2 12	1	133090		

NPKA

Click fitting with internal hex



Type	D1	D2	PU	PN
NPKA-D G1/8 6	10	1243489		

Click L-fitting



Type	D1	D2	PU	PN
NPKA-L G1/8 6	10	1655429		

Click T-fitting



Type	D1	D2	PU	PN
NPKA-T 6	10	1590710		

Push-in connector



Type	D1	D2	PU	PN
NPQP-D 4 4	10	133091		
NPQP-D 6 6	10	133092		
NPQP-D 8 8	10	133093		
NPQP-D 10 10	10	133094		
NPQP-D 12 12	10	133095		
reducing				
NPQP-D 6 4	10	133096		
NPQP-D 8 6	10	133097		
NPQP-D 10 8	10	133098		
NPQP-D 12 10	10	133099		

Push-in L-connector



Type	D1	D2	PU	PN
NPQP-L 4 4	10	133105		
NPQP-L 6 6	10	133106		
NPQP-L 8 8	10	133107		
NPQP-L 10 10	10	133108		
NPQP-L 12 12	10	133109		

Push-in T-connector



Type	D1	D2	PU	PN
NPQP-T 4 4	10	133110		
NPQP-T 6 6	10	133111		
NPQP-T 8 8	10	133112		
NPQP-T 10 10	10	133113		
NPQP-T 12 12	10	133114		
reducing				
NPQP-T 6 4	10	133115		
NPQP-T 8 6	10	133116		
NPQP-T 10 8	10	133117		
NPQP-T 12 10	10	133118		

Push-in Y-connector



Type	D1	D2	PU	PN
NPQP-Y 4 4	10	133119		
NPQP-Y 6 6	10	133120		
NPQP-Y 8 8	10	133121		
NPQP-Y 10 10	10	133122		
NPQP-Y 12 12	10	133123		
reducing				
NPQP-Y 6 4	10	133124		
NPQP-Y 8 6	10	133125		
NPQP-Y 10 8	10	133126		
NPQP-Y 12 10	10	133127		

Push-in bulkhead connector



Type	D1	PU	PN
NPQP-H 4	1	133100	
NPQP-H 6	1	133101	
NPQP-H 8	1	133102	
NPQP-H 10	1	133103	
NPQP-H 12	1	133104	

Push-in connector with sleeve



Type	D1	D2	PU	PN
NPQP-D 4 6	10	133133		
NPQP-D 4 8	10	133134		
NPQP-D 6 8	10	133135		
NPQP-D 6 10	10	133136		
NPQP-D 8 10	10	133137		
NPQP-D 8 12	10	133138		
NPQP-D 10 12	10	133139		

Blanking plug



Type	D1	PU	PN
NPQP-P 4	10	133128	
NPQP-P 6	10	133129	
NPQP-P 8	10	133130	
NPQP-P 10	10	133131	
NPQP-P 12	10	133132	

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Legend

D1 Tubing diameter, external 1
D2 Tubing diameter, external 2
PN Part number
PU Packaging unit

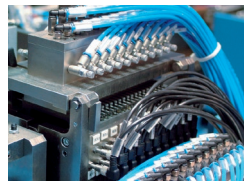
Comment

All L and T fittings orientable 360°.

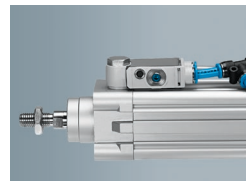
Check valves, one-way flow control valves and flow control valves



Extensive selection



Reliable for all applications



Flow on demand

Check valves, one-way flow control valves and flow control valves



One-way flow control valves



Type	D2	D1	PN
★ VFOE-LE	4	M5	8068723
★ (exhaust air)	6	M5	8068724
★	4	G1/8	8068725
★	6	G1/8	8068726
★	8	G1/8	8068727
★	6	G1/4	8068728
★	8	G1/4	8068729
★	10	G1/4	8068730
★	8	G3/8	8068731
★	10	G3/8	8068732
★	12	G1/2	8068733
★	4	R1/8	8068734
★	6	R1/8	8068735
★	8	R1/8	8068736
★	6	R1/4	8068737
★	8	R1/4	8068738
★	10	R1/4	8068739
★	8	R3/8	8068740
★	10	R3/8	8068741
★	12	R1/2	8068742
★ VFOE-LE	4	M5	8095432*
★ (exhaust air)	6	G1/8	8095433*
★ (bulk pack)	8	G1/4	8095434*
★	10	G3/8	8095435**
★	12	G1/2	8095436**
★ VFOE-LS	4	M5	8068743
★ (supply air)	6	M5	8068744
★	4	M7	8068745
★	6	M7	8068746
★	4	G1/8	8068747
★	6	G1/8	8068748
★	8	G1/8	8068749
★	4	R1/8	8068750
★	6	R1/8	8068751
★	8	R1/8	8068752

* Packaging unit 50
** Packaging unit 20

One-way flow control valves, series D



Type	D2	D1	PN
★ GRLA	M5	3	193137
★ (exhaust air)	M5	4	193138
★	M5	6	193139
★	G1/8	3	193142
★	G1/8	4	193143
★	G1/8	6	193144
★	G1/8	6	537075
★	G1/8	8	193145
★	G1/8	8	537076
★	G1/4	6	193146
★	G1/4	8	193147
★	G1/4	10	193148
★	G3/8	6	193149
★	G3/8	8	193150
★	G3/8	10	193151
★	G1/2	12	193152
★ GRLZ	M5	3	193153
★ (supply air)	M5	4	193154
★	M5	6	193155
★	G1/8	3	193156
★	G1/8	4	193157
★	G1/8	6	193158
★	G1/8	8	193159



Type	D2	D1	PN
★ GRLA	M5	3	197576
★ (exhaust air)	M5	4	197577
★	M5	6	197578
★	G1/8	3	197579
★	G1/8	4	197580
★	G1/8	6	197581
★	G1/8	8	534337
★	G1/4	6	534338
★	G1/4	8	534339
★	G1/4	10	534340
★	G3/8	6	534341
★	G3/8	8	534342
★	G3/8	10	534343
★	G1/2	12	534344

One-way flow control valves, series B



Type	D2	D1	PN
VFOH-LE	G1/8	4	578797
(exhaust air)	G1/8	6	578798
	G1/8	8	578799
	G1/4	8	578800
	G1/4	10	578801

One-way flow control valves, series B



Type	D2	D1	PN
GRLA	M5	M5	151163
(exhaust air)	G1/8	G1/8	151169
	G1/4	G1/4	151175
GRLZ	M5	M5	151186
(supply air)	G1/8	G1/8	151192
	G1/4	G1/4	151198



Type	D2	D1	PN
GRLA	M5	M5	151160
(exhaust air)	G1/8	G1/8	151165
	G1/4	G1/4	151172
	G3/8	G3/8	151178
	G1/2	G1/2	151179
	G3/4	G3/4	151180
GRLZ	M5	M5	151183
(supply air)	G1/8	G1/8	151188
	G1/4	G1/4	151195
GRLO	M5	M5	151181



Type	D2	D1	PN
GRLA-PK	M5	3	151161
(exhaust air)	M5	4	151162
	G1/8	3*	151166
	G1/8	4*	151167
	G1/8	6*	151168
	G1/4	4*	151173
	G1/4	6*	151174

* with union nut

Standard application, series B²⁾



Type	D2	D1	PN
VFOC	Push-in sleeve	4	559723
(supply air)	Push-in sleeve	6	559724



Type	D2	D1	PN
GRLA	G1/8	6	162965
(exhaust air)	G1/8	8	162966
	G1/4	6	162967
	G1/4	8	162968
	G3/8	6	162969
	G3/8	8	162970

One-way flow control valves with scale



Type	D2	D1	PN
GRLSA	G1/8	6	540661
(exhaust air)	G1/4	8	540662

Special application Mini



Type	D2	D1	PN
GRLA	M3	3	175041
GRLZ	M3	3	175043
GRLO	M3	3	175042



Type	D2	D1	PN
GRLA	M3	M3	175038
GRLZ	M3	M3	175040
GRLO	M3	M3	175039

Special application High corrosion resistance



Type	D2	D1	PN
CRGRLA	M5	M5	161403
	G1/8	G1/8	161404
	G1/4	G1/4	161405
	G3/8	G3/8	161406
	G1/2	G1/2	161407

In-line flow control valve with QS push-in fitting



Type	D1	PN
GR	3	193965
(exhaust air/ supply air)	4	193967
	4	193966
	6	193968
	6	193969
	8	193970
GRO	3	193971
(both ends)	4	193972
	5	193973

Standard in-line flow control valve with female thread



Type	D1	PN
GR	M3	15899
(exhaust air/ supply air)	M5	151213
	G1/8	151215
	G3/8	6308
	G1/2	3720
	G3/4	2103
GRA	G1/4	6509

Check valve Pneumatically piloted



Type	D2	D1	PN
★ HGL	M5	M5	530029
★	G1/8	G1/8	530030
★	G1/4	G1/4	530031
★	G3/8	G3/8	530032
★	G1/2	G1/2	530033
★	M5	4	530038
★	G1/8	4	530039
★	G1/8	6	530040
★	G1/4	8	530041
★	G1/4	10	530042
★	G3/8	8	530043
★	G3/8	10	530044
★	G1/2	12	530045

Check valve with additional function pneumatically piloted



Type	D2	D1	PN
VBNF	G1/8	6	8001460
	G1/4	8	1927027

Check valve with 2 additional functions pneumatically piloted



Type	D2	D1	PN
VFOF-LE-BAH	G1/8	6	8001459
(exhaust air)	G1/4	8	1927030

Legend
D1 Tubing diameter, external 1
D2 Tubing diameter, external 2
PN Part number
PU Packaging unit

Comment
All L and T fittings orientable 360°.

★ Easy and fast to select

Technical data for flow control valves

Designation		Plastic		Metal					
		VFOE	GRLA-QS-(RS)-B	GRLA-(RS)-B	GRLA-PK-B	GRLA-QS-(RS)-D	VFOC	GRLA-F-QS-D	CRGRLA
Function	Exhaust air flow control	Yes	Yes	Yes	Yes	Yes	On request	Yes	Yes
	Supply air flow control	Yes	–	Yes	Yes	Yes	Yes	–	–
Actuation	With tool	–	–	Yes	Yes	Yes	Yes	Yes	Yes
	Without tool	Rotary knob with detent	Yes	Yes	–	Yes	–	–	–
Media		Compressed air	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum	Compressed air, vacuum
Operating pressure [MPa]		0,02 ... 1	0,02 ... 1	0,03 ... 1	0,03 ... 1	0,02 ... 1	0,02 ... 1	0,02 ... 1	0,03 ... 1
Ambient temperature [°C]		-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	-10 ... +60	0 ... +150	-20 ... 80
Mounting position		Any	Any	Any	Any	Any	Any	Any	Any

+++ highly suitable ++ suitable + suitable to a limited extent – unsuitable

Worldwide, competent, to the point:

Services and support for maximum added value

Benefit globally from faster processes, lower costs and maximum reliability – thanks to our first-class products and comprehensive range of services and support, from engineering and operation to modernisation: → www.festo.com/services



Use our tools, for example our conversion tool for physical units for calculating the flow rate: → www.festo.com/CalculationTools

Easy selection – quick ordering

★ Quick ordering

We make it easy for you – Festo presents the new standard product range

Created for quick and easy selection, the new, global standard product range is based on the full product range. It has been selected by Festo experts based on actual customer requirements and covers the main applications of automation technology, while offering the best possible value for money.

Products with the star: easy selection guaranteed

The global standard product range can be recognised at a single glance: it's identified in all the catalogues with a star.

Quick and easy ordering

Preconfigured to ensure the best possible value for money, all products from the standard product range can be ordered quickly and easily either via the self-explanatory order code or the unique part number.

High level of availability

In stock and ready for immediate shipment, the global standard product range is on-site in no time at all, unless otherwise specified.

More variety or individually configured? No problem!

If your requirements go beyond the main applications of automation technology or you need individually configurable products such as valve terminals, you can choose from the full spectrum of Festo's automation portfolio with all of its technological diversity. Our standard product range offers everything you need for the main applications of automation technology.



Whenever you see this symbol in the printed or electronic catalogue, it means the product is from our new standard product range for the main applications of automation technology. The symbol provides you with quick guidance, and makes it easier to place your order.



Productivity

Maximum productivity is a question of ambition

Do you share this attitude? We will be glad to help you achieve this goal – through our four outstanding qualities:

- Security • Efficiency • Simplicity • Competency

We are the engineers of productivity.

Discover new dimensions for your company:

→ www.festo.com/whyfesto