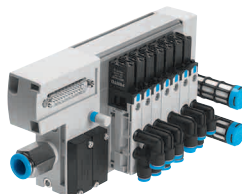


Reduce costs – ensure quality:
Optimise pneumatics using new materials

FESTO





Reducing costs while maintaining 100 % quality

New solutions for simple standard tasks

Reducing costs while maintaining 100% quality – an impossible task? Not with Festo! Discover new solutions for increasing the efficiency of your standard pneumatics without compromising on quality.

How does it work? We use a number of different methods to realise your savings potential:

- Alternative materials, such as high performance polymers
- Reduced portfolio complexity by concentrating on main functions and standardised processes
- New standards of efficiency – achieving savings on material and installation costs using clever construction principles
- Added value due to improved system and logic concepts – optimum performance levels with reduced total costs, due to servicing for all individual components

Reduced complexity:

- Standardisation of product series
- Focus on main functions

Alternative materials:

- Lightweight construction with high performance polymers
- Modern materials technology for optimisation of costs
- Energy efficiency

New construction principles:

- For optimum efficiency
- Milestones in standard pneumatics

Added value concepts:

- Ready-to-install system solutions
- Logistics optimisation service
- Quality control
- Software support

We can always provide the most suitable solution ...

... and you only have to pay for the functionality you really use!

Understanding the customers' needs and building up an excellent portfolio based on this understanding, that's one of our guiding principles. Another one is that our portfolio for standard ranges should benefit greatly from the results of our research into highly specialised solutions.

The benefit to you: you can present your customers with the exact solution they require, and save costs without reducing quality.

In this brochure, you will find examples of attractively priced solutions for this top-down technology transfer that have been optimised for specific applications.

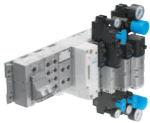
Maximum functionality for special tasks



Maximum safety included



Antistatic for the electronics industry



Condition monitoring



Easy-to-clean "Clean Design"



Stainless steel for maximum resistance to media



New: Products designed for simple standard tasks



Core functionalities of compressed air preparation



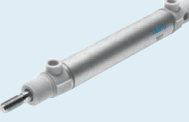
Up to 10 bar and max. 60 °C



3/2 or 5/2-way functions and 400 l/min



For simple clamping work



For simple pneumatic auxiliary movements



New materials: Cost-efficient

Helmets, bicycles, automobile and aircraft components – all products which require the highest level of safety. It has been a long time since they were constructed solely from metal. And with good reason: technical polymers no longer have much in common with the plastics used in the past. Nowadays, their material properties are much more similar to those of metal.

Intensive endurance tests, material fatigue tests and molecular structure investigations, not to mention heavy use by pilot customers, send out a clear message: for many solutions with pneumatics, innovative high performance polymers are a reliable alternative for dealing with tasks more efficiently.

The studies conducted by our materials specialists speak for themselves. See the results for yourself by visiting www.festo.com

Take advantage of new materials

The advantages at a glance

Ultra-lightweight construction

The advantages of an average weight reduction of 20%:

- Easier to install on movable machine parts
- Ideal for energy efficiency due to lightweight construction: lower moving mass means lower inertia and power consumption, especially during transportation

Simpler production process

This offers opportunities for potential savings, which in turn we pass on to you. Here are a few examples:

- Reworking such as deburring or removing chips is no longer necessary
- Injection moulding reduces the number of components, enabling a faster production process
- The high media resistance means no surface coating is necessary

Almost like aluminium

Overall, high performance polymer has very similar properties. Still not convinced? Take a look in our test laboratory:

www.festo.com



Characteristic	Die-cast AL	Die-cast zinc	High-tech polymer
Tensile strength [MPa] 20 °C, dry	220 – 240	280 – 300	280
Tensile strength [MPa] 80 °C, dry	190 – 200	40 – 50	170
Tension-E-module [MPa] 20 °C, dry	70000	85000	20000
Elasticity [%]	1	3	1,8
Pulsating tensile stress [MPa] after 106 load reversals	50	55	60
Density [g/cm³]	2,7	6,7	1,64
Resistance to media	Good	Average	Good



DSNUP ISO standard cylinder



Attractively priced – the new family of round cylinders to ISO 6432, with an aluminium barrel and polymer end caps. Available in sizes 16/20/25 with end caps for swivel mounting. The best choice for simple automation tasks such as deflector and flap control systems as well as simple clamping and holding functions.

Standardised
Dimensions according to ISO 6432 for fast, easy replacement. Particularly economical – in so

much as the same attachments from the comprehensive DSNU standardised range can be used.

Attractive pricing
The latest materials such as high performance polymers and state-of-the-art manufacturing methods guarantee the highest degree of quality and reliability at an extremely attractive price. The list price of the DSNUP is 30% less than the identically constructed all metal version DSNU. The standardised SM...-8 cylinder sensors can be fitted

over the entire stroke range using the SMBR mounting kit – as with the DSNU – thereby reducing ordering, logistics and assembly work.

Light and resistant
Its high chemical resistance and low weight make it versatile and highly suitable for many applications in the food & packaging, textiles, wood, plastics, machine tools, construction, climate control, agriculture and mobile technology sectors.

Technical data	
Standard diameter [mm]	16, 20, 25
Standard strokes [mm]	25, 50, 100
Force (advance) [N]	297
Force (return) [N]	249



Standardised



Inexpensive



Light and resistant

Standard cylinder ADNP



Greater economic efficiency in the compact class
Its compact design makes it perfect, even for small fitting spaces. Its minimal weight makes it ideal for mounting on movable machine parts.

Standardised
Dimensions in accordance with ISO 21287 for easy, fast replacement and multiple use of the same attachments.

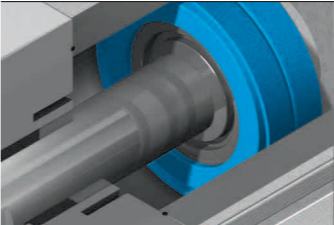
Attractively priced
Optimum price-performance ratio thanks to new materials and technologies, e.g. the patented 3K piston.

Compact
Up to 50% less installation space compared with large standard cylinders to ISO 15552, and facilitates more space in your installation!

Easy to mount
Built-in QS push-in fittings and an extensive range of mounting accessories from the standard mounting range makes assembly quicker and easier!

Simple
Built-in push-in fittings are ideally matched to the cylinder and thus simplify ordering, logistics and mounting.

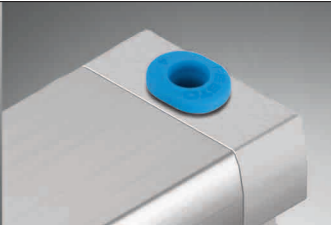
Technical data	
Standard diameter [mm]	20 ... 50
Standard strokes [mm]	5 ... 80
Force (advance) [N]	1178
Force (advance) [N]	1057



Patentado: el émbolo 3K



Más compactos



Festo plug and work®



SMT-/SME-8M proximity switch



Attractively priced thanks to function optimisation
With the new modular system for SM...-8M proximity sensors, Festo has further enhanced harmonisation. This system is compatible with 48 different Festo drives.

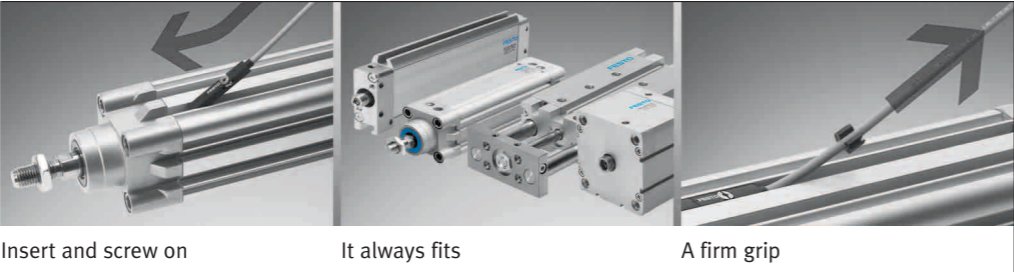
Versatile
Fully compatible with all Festo drive units with T-slot and round tie-rod cylinders including the corresponding mounting kits.

Universal safety
Sturdy central fastening guarantees that switches are securely fitted in the slot – even for critical applications over longer periods. Graded cable qualities (standard, chain-link trunking, robot) facilitate maximum dependability and process reliability, up to control level.

Systematically more efficient
Maximum flexibility in application thanks to freely configurable cable lengths, cable quality and connection technology. Sensors are produced in-house, guaranteeing system effectiveness and product diversity. This means the Festo range affords total satisfaction whether it be a heat-resistant, welding-splash-proof, ATEX or 230 V cylinder sensor.

Flexible
Free choice of cable length means that connections are superfluous, even for chain link trunking and robot applications.

Technical data	
Operating voltage range [V AC/DC]	5 ... 30
Rated operating current [mA]	100/500
Contact rating [W]	max. DC 3/10
Operating temperature range [°C]	-20 ... +70



Valve series VB One-way flow control valve VFOV with rotary knob



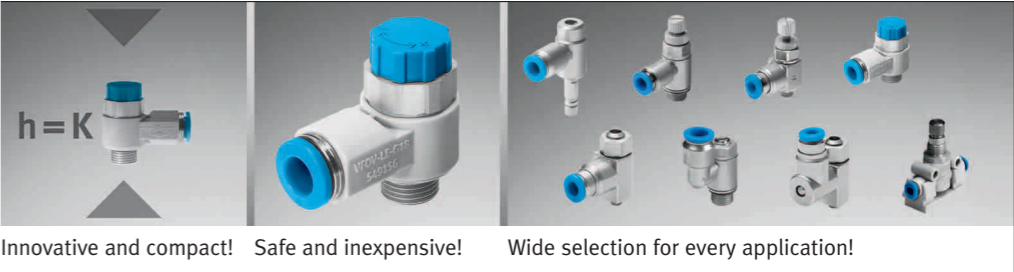
One-of-a-kind compactness – thanks to innovative technology
Constant height thanks to internal axial mechanism for adjusting the regulating screw. This makes the VFOV one-way flow control valve highly suitable for applications where space is restricted.

Always the first choice ...
... especially in tight corners. The VFOV combines constant height and the highest-precision adjustability with an attractive price – thanks to the reduced complexity of the new construction principle.

Reliable ...
... because it is no longer possible to make inadvertent adjustments during application. The optional protective cap guarantees that the flow rate stays the same once it's been set.

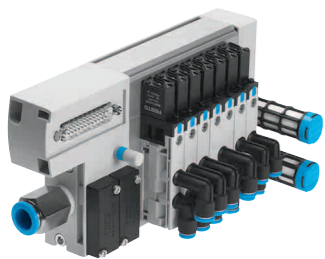
Tried and tested a million times ...
... the principle behind one-way flow control valves from Festo. This variant also guarantees easy and precise adjustment of piston speeds. The VFOV combines this with the renowned quality of QS fittings, which ensure reliable, leak-free tubing connections.

Technical data	
Flow rate [l/min]	0 ... 2000
Connections	von M3 bis G 1/2
Flow rate qnN [l/min]	0 ... 280





VB12 valve terminal



Flexible, universal, economical:
the VB12 valve terminal

The robust and durable VB12 stands out in Festo's high-performance polymer portfolio with its unbeatable price-performance ratio.

Ultra flexible

Whether as a modular product, a component or a multi-pin terminal, the VB12 offers enough scope to realise individual configurations. For a broad application area and more flexibility during planning, assembly and operation of universal and conventional applications.

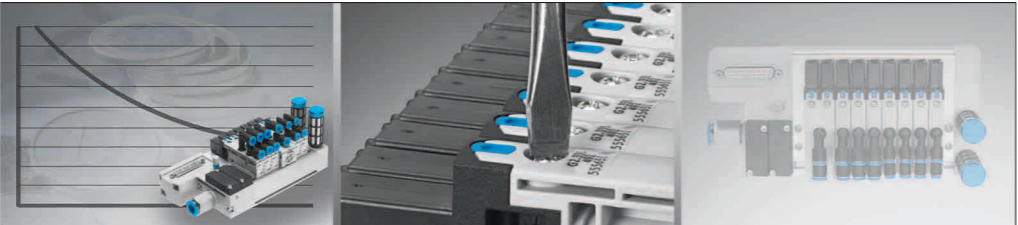
Ultra light-weight

The polymer housing and the weight-optimised metal manifold rail guarantee a reduction in weight that's second to none when it comes to minimal space requirements.

Ultra economical

Quick and safe installation thanks to QS plug connectors. Available as completely assembled and inspected units. High quality, durability and reliability guarantee a long service life. Don't forget – you just need one bolt to fix the valve to the manifold rail.

Technical data	
Valve function	3/2-NC, 3/2-NO, 5/2 single solenoid, 5/2 impulse (2 valve positions)
Valve assembly	Poppet valve
Power supply	G 1/4
Flow rate [l/min]	400
Operating voltage [V DC]	24
Number of valve positions	2 ... 35
Valve width [mm]	12



Attractive price

Quick to install!

Ultra light weight!

Valve series VB-20



Maximum economy: the
performance-optimised VB 20
valve series

With a significantly more affordable list price compared to metal variants and more energy-efficient due to its lighter weight. Always provides the greatest flexibility and easiest handling, from individual valves to valve terminals.

Economical

Optimised performance and a wide range of flow rates from 200 to 1,000 l/min. Integrated QS plug connector for fast and safe installation. Available as components or completely assembled and tested units.

Simple handling

Quick and reliable mounting: just one screw is needed to connect the valve to the manifold rail. With integrated LED

signal indicator on the multi-pin valve terminal. Very simple reconfiguration of cartridge plug connectors. Secure wall mounting or H-rail mounting.

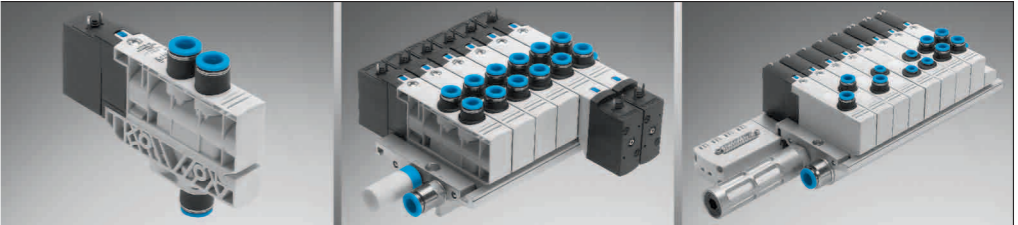
Flexible

From an individual valve, a valve manifold with sturdy metal manifold rail or a multi-pin terminal to a modular system for individual configurations – anything is possible!

Reliable lightweight design

Thanks to the polymer housing and the weight-optimised metal manifold rail.

Technical data	
Valve function	3/2-NO, 3/2-NC, 4/2 single solenoid, 4/2 double solenoid
Design	Piston spool
Control type	Piloted
Actuation type	Electric
Flow rate per valve [l/min]	200, 500, 800, 1.000
Betriebsspannung	12 V DC/24 V AC, 24 V DC, 110 V AC, 230 V AC
Power supply	G 1/4, G 1/2 valve manifold G 1/2 multi-pin terminal
Number of valve positions	2 to 12 valve manifold 4 to 12 multi-pin terminal
Valve width [mm]	20



Individual valves

Valve manifold

Multi-pin terminal



D series service units, polymer design



Attractively priced thanks to new materials technology: for example the new polycarbonate filter bowl.

Combinable
Functionalities of the service units can be upgraded whenever required, as the metal and polymer versions of the D-series are compatible.

High load bearing due to high-strength polycarbonate
Guarantees high impact strength, as demonstrated by its use for aeroplane components, safety glass and protective helmets.

Reduction in complexity through core functions
Regulators, filter regulators and filter regulator/lubricator combinations in 3 port sizes. For those who want attractively priced functionality to go hand-in-hand with proven quality.

Technical data	
Connection sizes [G]	1/8, 1/4 (3/8 via connection plates)
Flow rate [l/min]	Max. 1300 l/min (pressure regulator)
Working pressure [bar]	Up to 7 bar
Filter stages [µm]	40/5
Ambient temperature [°C]	-5 ... +50



Core functionality:



Expandable ...



and available fast!

Protective conduit fitting combination PEN/QS-B



Materials technology for new cost-efficiency
Thanks to the new manufacturing method, the attractively priced PEN tubing behaves almost exactly as polyurethane tubing. This makes it ideal for use with the QS-B connector series.

Function-specific
Best suited to all standard applications with pressures of up to 10 bar and temperatures up to 60°C. It is also resistant to hydrolysis and most commonly used cleaners.

Clever solution
Our engineers have developed tubing which combines increased cost-efficiency with ease of installation. The polyethylene material makes the PEN significantly more affordable than polyurethane tubing, yet also has similar properties, such as narrow bending radii.

Pure cost-efficiency
Significantly more affordable! Firstly: polyethylene. Secondly: the QS-B fittings with 200 standardised fast sellers. And thirdly: the winning combination of PEN/QS-B!

Technical data	
Tubing O.D.-Ø [mm]	4, 6, 8, 10, 12 und 16
Fitting types	176 variants
Operating pressure (Temperature dependent) [bar]	0,95 ... +10
Operating temperature [°C]	-30 ... +60 (PEN) 0 ... +60 (QS-B)



Cost-effective, ...



for universal applications, ...



installation-optimised!







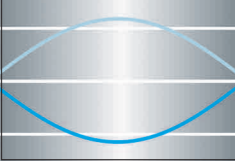
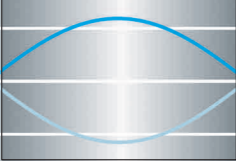
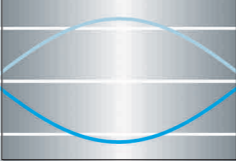
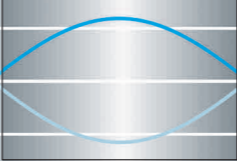
Added value formula

The increases in efficiency along your value creation chain are the result of a holistic approach from Festo which goes far beyond individual components, encompassing not only solutions, targeted support and services, but also basic and further training. This added value formula unites 100% quality with cost-reducing factors.

Getting there quicker: Everything from one source
 From components to complete systems, from deliveries in a package to ready-to-install solutions – with Festo, you get everything from a single source, whether you're looking for simple, cost-reducing solutions, standard tasks or special products for specific ranges of applications or for industry-specific solutions.

Consistently holistic for us also means that Festo applies the knowledge from the Festo Didactic basic and further training programmes to other fields and uses it as a basis for its consultancy services.

Increasing efficiency: Services and support
 Festo offers expert advice, helpful support and useful services along the entire value creation chain. This enables you to tap the full potential of our product portfolio whilst still reducing costs, thus benefitting from the added value that comes with our range.

Engineering	Procurement/ Logistics	Assembly and commissioning	Operation
 <ul style="list-style-type: none"> • Consulting • Design help • Electronic catalogue 	 <ul style="list-style-type: none"> • Festo online shop • 24-hour delivery service • Logistics optimisation service • PrePack 	 <ul style="list-style-type: none"> • Ready-to-install solutions • Commissioning axis systems • Compressed air consumption analysis 	 <ul style="list-style-type: none"> • Energy saving service • Modular service contracts • Compressed air quality analysis • Spare parts catalogue/repair service
			

Cost reduction
 Time reduction
 Process reliability

Added value in detail

Solutions? Expert suggestions!
 Our sales engineers can visit you and advise you on how to develop the best solutions for every key area, such as performance, design, process reliability and cost.

+

Partnership? Right from the engineering stage!
 Speed counts: simpler design means a faster time-to-market. That's why we provide you with free software tools for engineering, or CAD downloads in many native formats.

+

Order processing? Quick and easy!
 And convenient and secure, too: if you order via our online shop, our order tracking system means you always know where your order is. Alternatively, you can use our E-commerce option with EdiFACT.

+

Logistics? Quick and reliable!
 High-speed delivery – the fastest in Europe: You will normally receive your product 24 hours after placing the order.

+

On site? Anywhere in the world!
 12,800 employees in 56 national companies in 176 countries are on hand to give you personal advice, whether via technical hotlines or customer service. Our logistics are structured in such a way that communication with you is always quick, easy and efficient.



Festo worldwide

Argentina
Festo S.A.
Edison 2392
(B1640 HRV) Martinez
Prov. Buenos Aires
Tel. ++54 (0)11/47 17 82 00, Fax 47 17 82 82
E-mail: info_ar.festo.com

Australia
Festo Pty. Ltd.
Head Office (Melbourne)
179-187 Browns Road, P.O. Box 261
Noble Park Vic. 3174
Call Toll Free 1300 88 96 96
Fax Toll Free 1300 88 95 95
Tel. ++ 61(0)3/97 95 95 55, Fax 97 95 97 87
E-mail: info_au@festo.com.au

Austria
Festo Gesellschaft m.b.H.
Linzer Straße 227
1140 Wien
Tel. ++43 (0)1/91 07 50, Fax 91 07 52 50
E-mail: info_at@festo.com

Belarus
IP Festo
Minsk, 220035
Mascherov Prospekt, 78, Belarus
Tel. ++375 (0)17/204 85 58, Fax 204 85 59
E-mail: info_by@festo.com

Belgium
Festo Belgium sa/nv
Rue Colonel Bourg 101
1030 Bruxelles/Brussel
Tel. ++32 (0)2/702 32 11, Fax 702 32 09
E-mail: info_be@festo.com

Brazil
Festo Automacao Ltda.
Rua Guiseppe Crespi, 76
KM 12,5 - Via Anchieta
04183-080 Sao Paulo SP-Brazil
Tel. ++55 (0)11/50 13 16 00, Fax 50 13 18 68
E-mail: info_br@festo.com

Bulgaria
Festo Bulgaria EOOD
1592 Sofia
9, Christophor Kolumb Blvd.
Tel. ++359 (0)2/960 07 12, Fax 960 07 13
E-mail: info_bg@festo.com

Canada
Festo Inc.
5300 Explorer Drive
Mississauga, Ontario L4W 5G4
Tel. ++1 (0)905/624 90 00, Fax 624 90 01
E-mail: info_ca@festo.com

Chile
Festo S.A.
Mapocho 1901
6500151 Santiago de Chile
Tel. ++56 (0)2/690 28 00, Fax 695 75 90
E-mail: info.chile@cl.festo.com

China
Festo (China) Ltd.
1156 Yunqiao Road
Jinqiao Export Processing Zone, Pudong,
201206 Shanghai, PRC
Tel. ++86 (0)21/58 54 90 01, Fax 58 54 03 00
E-mail: info_cn@festo.com

Colombia
Festo Ltda.
Avenida El Dorado No. 98-43
Bogotá
Tel. ++57 (0)1/404 80 88, Fax 404 81 01
E-mail: festo@festo.com.co

Croatia
Festo d.o.o.
Nova Cesta 181
10000 Zagreb
Tel. ++385 (0)1/619 19 69, Fax 619 18 18
E-mail: info_hr@festo.com

Czech Republic
Festo, s.r.o.
Modranska 543/76
147 00 Praha 4
Tel. ++420 261 09 96 11,
Fax ++420 241 77 33 84
E-mail: info_cz@festo.com

Denmark
Festo A/S
Islevdalvej 180
2610 Rødovre
Tel. ++45 70 21 10 90, Fax ++45 44 88 81 10
E-mail: info_dk@festo.com

Estonia
Festo OY AB Eesti Filiaal
Laki 11B
12915 Tallinn
Tel. ++372 666 15 60, Fax ++372 666 15 61
E-mail: info_ee@festo.com

Finland
Festo OY
Mäkituvantie 9, P.O. Box 86
01511 Vantaa
Tel. ++358 (09)/87 06 51, Fax 87 06 52 00
E-mail: info_fi@festo.com

France
Festo Eurl
Numéro Indigo Tel. 0820/204640, Fax 204641
ZA des Maisons Rouges
8 rue du Clos Sainte Catherine
94367 Bry-sur-Marne cedex
Tel. ++33 (0)1/48 82 64 00, Fax 48 82 64 01
E-mail: info_fr@festo.com

Germany
Festo AG & Co. KG
Postfach
73726 Esslingen
Ruiter Straße 82
73734 Esslingen-Berkheim
Tel. ++49 (0)711/34 70, Fax 347 21 44
E-mail: info_de@festo.com

Greece
Festo Ltd.
Hamosfsernas 40
11853 Athens
Tel. ++30 210/341 29 00, Fax 341 29 05
E-mail: info_gr@festo.com

Hong Kong
Festo Ltd.
Unit C&D, 7/F, Leroy Plaza
15 Cheung Shun Street
Cheung Sha Wan, Kowloon
Hong Kong
Tel. ++ 852/27 43 83 79, Fax 27 86 21 73
E-mail: info_hk@festo.com

Hungary
Festo Kft.
Csillaghegyi út 32-34.
1037 Budapest
Tel. ++36 (06)1/250 00 55, Fax 250 15 93
E-mail: info_hu@festo.com

India
Festo Controls Private Ltd.
237B,
Bommasandra Industrial Area,
Bangalore Hosur Highway,
Bangalore 560 099
Tel. ++91 (0)80/22 89 41 00, Fax 783 20 58
E-mail: info_in@festo.com

Indonesia
PT. Festo
JL. Sultan Iskandar Muda No.68
Arteri Pondok Indah
Jakarta 12240
Tel. ++62 (0)21/27 50 79 00, Fax 27 50 79 98
E-mail: info_id@festo.com

Iran
Festo Pneumatic S.K.
#1,Behbahan St. Ramsar ave
Tehran 1581975411
Tel. ++98 (0)21/88 82 92 25, Fax 882 21 62
E-mail: info_ir@festo.com

Ireland
Festo Limited
Unit 5 Sandyford Park
Sandyford Industrial Estate
Dublin 18
Tel. ++ 353(0)1/295 49 55, Fax 295 56 80
E-mail: info_ie@festo.com

Israel
Festo Pneumatic Israel Ltd.
P.O. Box 1076, Ha'atzma'ut Road 48
Yehud 56100
Tel. ++972 (0)3/632 22 66, Fax 632 22 77
E-mail: info_il@festo.com

Italy
Festo S.p.A
Via Enrico Fermi 36/38
20090 Assago (MI)
Tel. ++39 02/45 78 81, Fax 488 06 20
E-mail: info_it@festo.com

Japan
Festo K.K.
1-26-10 Hayabuchi, Tsuzuki-ku
Yokohama 224-0025
Tel. ++81 (0)45/593 56 10, Fax 593 56 78
E-mail: info_jp@festo.com

Korea South
Festo Korea Co., Ltd.
470-1 Gasan-dong, Geumcheon-gu
Seoul #153-803
Tel. ++82 (0)2/850 71 14, Fax 864 70 40
E-mail: info_kr@festo.com

Latvia
Festo SIA
Deglava 60
1035 Riga
Tel. ++371 67/57 78 64, Fax 57 79 46
E-mail: info_lv@festo.com

Lithuania
Festo UAB
Karaliaus Mindaugo pr. 22
3000 Kaunas
Tel. ++370 (8)7/32 13 14, Fax 32 13 15
E-mail: info_lt@festo.com

Malaysia
Festo Sdn.Berhad
10 Persiaran Industri
Bandar Sri Damansara, Wilayah Persekutuan
52200 Kuala Lumpur
Tel. ++60 (0)3/62 86 80 00, Fax 62 75 64 11
E-mail: info_my@festo.com

Mexico
Festo Pneumatic, S.A.
Av. Ceylán 3, Col. Tequesquinhuauc
54020 Tlalnepantla, Edo. de México
Tel. ++52 (01)55/53 21 66 00, Fax 53 21 66 55
E-mail: festo.mexico@mx.festo.com

Netherlands
Festo B.V.
Schieweg 62
2627 AN Delft
Tel. ++31 (0)15/251 88 99, Fax 261 10 20
E-mail: info_nl@festo.com

New Zealand
Festo Limited
MT. Wellington
Auckland NZ
Tel. ++64 (0)9/574 10 94, Fax 574 10 99
E-mail: info_nz@festo.com

Norway
Festo AS
Ole Deviksvet 2
0666 Oslo, Norway
Tel. ++47 22 72 89 50, Fax ++47 22 72 89 51
E-mail: info_no@festo.com

Peru
Festo S.R.L.
Calle Amador Merino Reyna #480, San Isidro
Lima, Perú
Tel. ++51 (0)1/222 15 84, Fax 222 15 95

Philippines
Festo Inc.
KM 18, West Service Road, South Superhighway
1700 Paranaque City, Metro Manila
Tel. ++63 (0)2/776 68 88, Fax 823 42 19
E-mail: info_ph@festo.com

Poland
Festo Sp. z o.o.
Janki k/Warszawy, ul. Mszczonowska 7
05090 Raszyn
Tel. ++48 (0)22/711 41 00, Fax 711 41 02
E-mail: info_pl@festo.com

Romania
Festo S.R.L.
St. Constantin 17
010217 Bucuresti
Tel. ++40 (0)21/310 29 83, Fax 310 24 09
E-mail: info_ro@festo.com

Russia
Festo-RF OOO
Michurinskiy prosp., 49
119607 Moscow
Tel. ++7 495/737 34 00, Fax 737 34 01
E-mail: info_ru@festo.com

Singapore
Festo Pte. Ltd.
6 Kian Teck Way
Singapore 628754
Tel. ++65 62 64 01 52, Fax ++65 62 61 10 26
E-mail: info_sg@festo.com

Slovakia
Festo spol. s r.o.
Gavlovicová ul. 1
83103 Bratislava 3
Tel. ++421 (0)2/49 10 49 10, Fax 49 10 49 11
E-mail: info_sk@festo.com

Slovenia
Festo d.o.o. Ljubljana
IC Trzin, Blatnica 8
1236 Trzin
Tel. ++386 (0)1/530 21 00, Fax 530 21 25
E-mail: info_si@festo.com

South Africa
Festo (Pty) Ltd.
22-26 Electron Avenue, P.O. Box 255
Isando 1600
Tel. ++27 (0)11/971 55 00, Fax 974 21 57
E-mail: info_za@festo.com

Spain
Festo Pneumatic, S.A.
Tel.: 901243660 Fax: 902243660
Avenida Granvia, 159
Distrito económico Granvia L'H
ES-08908 Hospitalet de Llobregat, Barcelona
Tel. ++ 3493/261 64 00, Fax 261 64 20
E-mail: info_es@festo.com

Sweden
Festo AB
Stillemsgatan 1, P.O. Box 21038
20021 Malmö
Tel. ++46 (0)40/38 38 40, Fax 38 38 10
E-mail: info_se@festo.com

Switzerland
Festo AG
Moosmattstrasse 24
8953 Dietikon ZH
Tel. ++41 (0)44/744 55 44, Fax 744 55 00
E-mail: info_ch@festo.com

Taiwan
Festo Co., Ltd.
9 Kung 8th Road
Linkou 2nd Industrial Zone, Linkou #244
Taipei Hsien Taiwan
Tel. ++886 (0)2/26 01 92 81, Fax 26 01 92 87
E-mail: info_tw@festo.com

Thailand
Festo Ltd.
67/1 Moo 6 Phaholyothin Road
Klong 1, Klong Luang,
Pathumthani 12120
Tel. ++66 29 01 88 00, Fax ++66 29 01 88 33
E-mail: info_th@festo.com

Turkey
Festo San. ve Tic. A.S.
Tuzla Mermerciler Organize
Sanayi Bölgesi, 6/18 TR
34956 Tuzla - Istanbul/TR
Tel. ++90 (0)216/585 00 85, Fax 585 00 50
E-mail: info_tr@festo.com

Ukraine
Festo Ukraina
Borisoglebskaja 11
Kiev 04070
Tel. ++380 (0)44/239 24 33, Fax 463 70 96
E-mail: info_ua@festo.com

United Kingdom
Festo Limited
Applied Automation Centre, Caswell Road
Brackmills Trading Estate
Northampton NN4 7PY
Tel. ++44 (0)1604/66 70 00, Fax 66 70 01
E-mail: info_gb@festo.com

United States
Festo Corporation (New York)
Call Toll-free 800/993 3786
Fax Toll-free 800/963 3786
395 Moreland Road, P.O.Box 18023
Hauppauge, N.Y. 11788
Tel. ++ 1(0)314/770 01 12, Fax 770 16 84
E-mail: info_us@festo.com

Venezuela
Festo C.A.
Av. 23, Esquina calle 71, No. 22-62
Maracaibo, Edo. Zulia
Tel. ++58 (0)261/759 09 44, Fax 759 04 55
E-mail: festo@festo.com.ve