

FESTO

The Stars of Automation



Your partner for factory and process automation

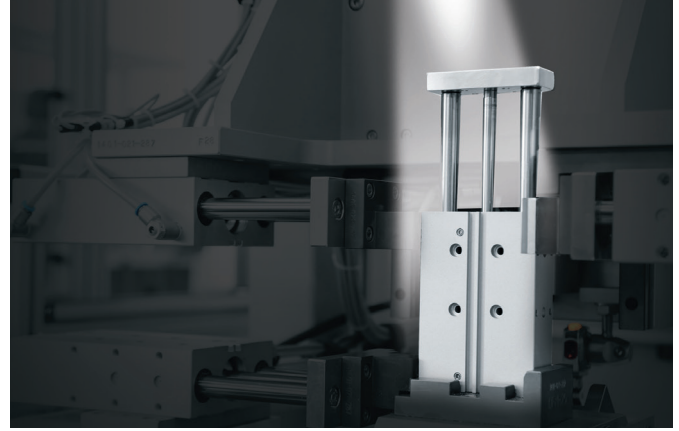
Look for the Star when selecting products in the catalogue.

Over 4,000 products that are:












- **Worldwide:** always in stock
- **Superb:** Festo quality, providing great value
- **Easy:** just a few clicks to place an order online

★ Ready to ship from the Festo factory in 24 hours

☆ Ready to ship from the Festo factory in 5 days or less






Pneumatic Cylinders and Actuators







Piston Rod Cylinders			Lead Time*	
Inch Series			★	☆
DSNU Double Acting Round Cylinder		<ul style="list-style-type: none"> • Diameter (in) • Max Stroke (in) • Stroke (in) 	—	5/16...12 12 1/2...12
ADN Double Acting Compact Cylinder		<ul style="list-style-type: none"> • Diameter (in) • Max Stroke (in) • Stroke (in) 	—	1/2...23 3 1/2...3
DPCA Double Acting Pancake Cylinder		<ul style="list-style-type: none"> • Diameter (in) • Max Stroke (in) • Stroke (in) 	—	1/2...44 4 1/16...4
DPCB Double Acting Pancake II Cylinder		<ul style="list-style-type: none"> • Diameter (in) • Max Stroke (in) • Stroke (in) 	—	1/2...44 4 1/8...4
DPRA Double Acting Round Cylinder		<ul style="list-style-type: none"> • Diameter (in) • Max Stroke (in) • Stroke (in) 	—	3/4...2 1/2 12 .0625...12
DSNA Double Acting Standardized Cylinder		<ul style="list-style-type: none"> • Diameter (in) • Max Stroke (in) • Stroke (in) 	—	1 1/2...420 0.25...20
Metric Series				
DSNU(ISO standard) Double Acting Round Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	8...25320 10-320	8...25500 10-500
DSNU Double Acting Round Cylinder Large Bore		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	—	32...63500 10-500
DSBC Double Acting Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	32...80500 20...500	32...1252,000 20...2,000
ADN Double Acting Compact Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	12...8080 5...80	12...125500 5...500
ADN-S/AEN-S Compact Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	6...1010 5...10	—

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ADNGF Double Acting Compact Cylinder Non-Rotating		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	12...4080 10...80	—
ADVC Double Acting Short Stroke Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	12...6325 5...25	—
AEVC Single Acting Short Stroke Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	12...6325 5...25	—



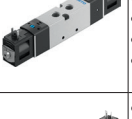
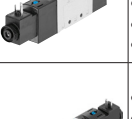
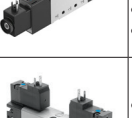
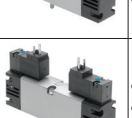
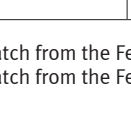
Pneumatic Cylinders and Actuators

Mini Slide			Lead Time*	
Metric Series			★	☆
DGSL Double Acting Ball Bearing Guided Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	4...25200 Standard	Y3 shock absorber, P1 flexible cushion versions
DGST Double Acting Ball Bearing Guided Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	12...25200 10...200	P elastic cushioning with end position adjustment, Y12 shock absorber with end position adjustment
Guided Piston Rod Actuator				
DFM Double Acting Guided Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	6...63200 Standard	—
Stopper Cylinders				
DFSP Stopper Cylinder		<ul style="list-style-type: none"> • Diameter (mm) • Max Stroke (mm) • Stroke (mm) 	20...4030 5...30	—
Rotary Actuators				
Metric Series				
DRVS Semi-rotary Vane		<ul style="list-style-type: none"> • Size (mm) • Angle (degrees) 	6-40 mm 90, 180, 270	—
DRRD Semi-rotary Rack-pinion Drive		<ul style="list-style-type: none"> • Size (mm) • Angle (degrees) 	8-40 mm 180, adj	—








Pneumatic Cylinders and Actuators

Rodless Actuators			
Inch Series			Lead Time*
DGC-N-K Rodless Band Actuator		<ul style="list-style-type: none"> Diameter (mm) 8...80 Max Stroke (imm) 1...8,500 Stroke (mm) Custom Air Ports: M5**, 1/8 NPT; 1/4 NPT, 3/8 NPT 	★
DGC-N-GF Plain Bearing Guided Actuator		<ul style="list-style-type: none"> Diameter (mm) 8...63 Max Stroke (imm) 1...8,500 Stroke (mm) Custom Air Ports: M5**, 1/8 NPT; 1/4 NPT, 3/8 NPT 	★
DGC-N-KF Recirculating Ball Bearing Guided Actuator		<ul style="list-style-type: none"> Diameter (mm) 8...63 Max Stroke (imm) 1...8,500 Stroke (mm) Custom Air Ports: M5**, 1/8 NPT; 1/4 NPT, 3/8 NPT 	★
Metric Series			Lead Time*
DGC-K Rodless Band Actuator		<ul style="list-style-type: none"> Diameter (mm) 18...80 Max Stroke (mm) 3,000 Stroke (mm) Custom 	★
DGC-GF Plain Bearing Guided Actuator		<ul style="list-style-type: none"> Diameter (mm) 18...63 Max Stroke (mm) 3,000 Stroke (mm) Custom 	★
DGC-KF Recirculating Ball Bearing Guided Actuator		<ul style="list-style-type: none"> Diameter (mm) 18...63 Max Stroke (mm) 3,000 Stroke (mm) Custom 	★


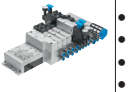
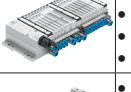
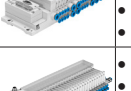

Pneumatic Valves and Valve Terminals

Individually Wired Valves		Lead Time*	
Metric Series		★	★
VUVG-S Solenoid Valve with common features		<ul style="list-style-type: none"> Valve Width (mm) 10...14 Max Flow (l/min) 660 Pressure Range (bar) 2.5...7 Operating Voltage 24 VDC Ports M5...G 8 	—
VUVG Solenoid Valve		<ul style="list-style-type: none"> Valve Width (mm) 10...18 Max Flow (l/min) 1,300 Pressure Range (bar) -0.9...8 Operating Voltage 24 VDC Ports M3...G 1/4 	Configurable Valves
VUVS-S Solenoid Valve with common features		<ul style="list-style-type: none"> Valve Width (mm) 20...30 Max Flow (l/min) 1,600 Pressure Range (bar) 1.5...8 Operating Voltage 24 VDC Ports G-1/8...G 3/8 	—
VUVS Solenoid Valve		<ul style="list-style-type: none"> Valve Width (mm) 20...30 Max Flow (l/min) 2,300 Pressure Range (bar) -0.9...10 Operating Voltage 24 VDC Ports G-1/8...G 3/8 	Configurable Valves
VUVS-LT Solenoid Poppet Valve		<ul style="list-style-type: none"> Valve Width (mm) 20...30 Max Flow (l/min) 1,800 Pressure Range (bar) -0.9...10 Operating Voltage 24 VDC Ports -1/8...G 3/8 	Configurable Valves
VSVA Solenoid Valve ISO-55991		<ul style="list-style-type: none"> Valve Width (mm) 42 Max Flow (l/min) 1,300 Pressure Range (bar) 3...10 	—
VSVA Solenoid Valve ISO-15218		<ul style="list-style-type: none"> Valve Width (mm) 18,26 Max Flow (l/min) 1,400 Pressure Range (bar) 2...10 	—

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Inch Series				
VUVS Solenoid Valve		<ul style="list-style-type: none"> Valve Width (mm) 21...31 Max Flow (l/min) 2,300 Pressure Range (bar) -0.9...10 NPT Threads 1/8...3/8 	21...31 2,300 -0.9...10 1/8...3/8	Configurable Valves
Mounted on Manifolds				
VTUS Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) — Max Flow (l/min) — Pressure Range (bar) — 	—	21...31 2,300 -0.9...10
VTUG-S Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) — Max Flow (l/min) — Pressure Range (bar) — 	—	10...14 660 2.5...7
Manual and Mechanical Valves				Lead Time*
Inch and Metric Series				★
VHEF Selector Valve		<ul style="list-style-type: none"> Valve Width (mm) 20 mm Max Flow (l/min) 1200 l/min Pressure Range (bar) -0.95...10 Ports G 1/4 and NPT 1/4 	20 mm 1200 l/min -0.95...10 G 1/4 and NPT 1/4	
VHEF Hand lever Valve		<ul style="list-style-type: none"> Valve Width (mm) 20 mm Max Flow (l/min) 1200 l/min Pressure Range (bar) -0.95...10 Ports G 1/4 and NPT 1/4 	20 mm 1200 l/min -0.95...10 G 1/4 and NPT 1/4	
VMEF Roller Valve		<ul style="list-style-type: none"> Valve Width (mm) 20 mm Max Flow (l/min) 870 l/min Pressure Range (bar) -0.95...10 Ports G 1/4 and NPT 1/4 	20 mm 870 l/min -0.95...10 G 1/4 and NPT 1/4	
VMEF Stem Valve		<ul style="list-style-type: none"> Valve Width (mm) 20 mm Max Flow (l/min) 1200 l/min Pressure Range (bar) -0.95...10 Ports G 1/4 and NPT 1/4 	20 mm 1200 l/min -0.95...10 G 1/4 and NPT 1/4	






Pneumatic Valves and Valve Terminals

Valve Manifolds		Lead Time*	
Inch Series		★	
VTSA/VTSA-F Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) 18...52 Max Flow (l/min) 2,900 Pressure Range (bar) -0.9...10 Threads 1/8...1/2 NPT Electrical Interface Multi-pin, Fieldbus 	18...52 2,900 -0.9...10 1/8...1/2 NPT Multi-pin, Fieldbus
Metric Series			
VTSA/VTSA-F Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) 18...52 Max Flow (l/min) 2,900 Pressure Range (bar) -0.9...10 Threads G1/8...G1/2 Electrical Interface Multi-pin, Fieldbus 	18...52 2,900 -0.9...10 G1/8...G1/2 Multi-pin, Fieldbus
MPA-S Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) 10...20 Max Flow (l/min) 230...700 Pressure Range (bar) -0.9...10 Electrical Interface Multi-Pin, Fieldbus 	10...20 230...700 -0.9...10 Multi-Pin, Fieldbus
MPA-L Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) 10...20 Max Flow (l/min) 850 Pressure Range (bar) -0.9...10 Electrical Interface Multi-Pin, Fieldbus 	10...20 850 -0.9...10 Multi-Pin, Fieldbus
VTUG Valve Manifold		<ul style="list-style-type: none"> Valve Width (mm) 10...18 Max Flow (l/min) 1,200 Pressure Range (bar) -0.9...10 Electrical Interface Multi-Pin, Fieldbus, IO-Link 	10...18 1,200 -0.9...10 Multi-Pin, Fieldbus, IO-Link








**Suitable for 10-32 UNF

* Lead times shown are the standard configurations. For complete Stars of Automation program conditions and specific qualifying part numbers, visit www.festo.com/stars




Vacuum Generators, Cups & Holders

Vacuum Technology			
Generators			Lead Time*
VN Vacuum Generator		<ul style="list-style-type: none"> Laval Nozzle diameter: 0.7 - 3 mm High Vacuum version up to 93% High Flow version up to 340 l/min 	★
OVEL Vacuum Generator		<ul style="list-style-type: none"> Laval Nozzle diameter: 0.45 - 0.95 mm High Vacuum version up to 92% Output: Digital or IO link 	★
Suction Cups/Vacuum Generators			Lead Time*
VAS Flat Vacuum Cup with holder		<ul style="list-style-type: none"> Diameters 15...55 mm Threads: G1/8, G1/4 Materials: Nitrile Rubber (NBR), Polyurethane (PUR) and Silocone (SI) 	★
VASB One Bellow Vacuum Cup with Holder		<ul style="list-style-type: none"> Diameters: 30...55 mm Threads: G1/8, G1/4 Materials: Nitrile Rubber (NBR), Polyurethane (PUR) and Silicone (SI) 	★
Check Valve			Lead Time*
ISV Vacuum Check Valve		<ul style="list-style-type: none"> Sizes G-1/8 and G-1/4 	★



Sensors and Actuator Feedback

Sensors			
Pressure / Vacuum Sensors			Lead Time*
SDE5 Pressure and Vacuum Switch		<ul style="list-style-type: none"> "Teach-in" Function Cost effective / small footprint FPN, NPN 15...30VDC -1 to 10 Bar Yellow led status display IP40 	★
PEV Pressure Switch		<ul style="list-style-type: none"> Dry Contact 12...250VAC, 12...125VDC Switching current 25mA...5A Max switching frequency 3.3 Hz Pressure: 1...12 bar -20...+80°C IP65 	★
Flow Sensors			
SFAH Flow Switch		<ul style="list-style-type: none"> Configurable Switching output 2x PNP or NPN, IO-Link Flow range from 0.1 to 200 Lt/min Configurable Analog output 0...10V, 1...5 V, 4 ... 20 mA IP40 	★
Cylinder Switch			
SMT/SME-8M Proximity Switch		<ul style="list-style-type: none"> Dry Contact/Mechanic contact, PNP, NPN 5...30VDC -40...+85°C IP65/IP68/IP69k For T-Slot 	★
SMT/SME-10M Proximity Switch		<ul style="list-style-type: none"> Dry Contact/Mechanic contact, PNP, NPN 5...30VDC -40...+70°C IP65/IP68 For C-Slot 	★
Sensors			
SDAT Position Transmitters		<ul style="list-style-type: none"> 50, 80, 100, 125, 160 mm 10 ... 30V DC, PNP/NPN Configurable Switching Output, or IO-Link Analogue output 4 ... 20 mA -20...+70°C IP65 / IP68 	★
SMAT-8E Position Transmitter		<ul style="list-style-type: none"> Measuring Range: 48-52mm Repeatability: +/- 0.064mm Output: 0...10V / 4...20 mA -20...+50 °C IP65 / IP67 	★



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SRBS Position Sensor		<ul style="list-style-type: none"> Switching output 2x PNP or NPN (configurable) Sensing range 0°...270° Design for semi-rotary Pneumatic drives DSM (6,8,10) and DRVS Family IP65 / IP68 	★
Proximity Switches			
SIEN/SIEH Inductive Sensors		<ul style="list-style-type: none"> M5, M8, M12, M18 Voltage 10 ... 30V DC PNP, NPN Standard/Extended switching distance 	★
SIES Inductive Sensors		<ul style="list-style-type: none"> Rated Operating Distance 1.5 mm Voltage 10 ... 30V DC, Slot M8 PNP, NO/NC -25...+70°C IP65 / IP67 	★


Sensors

Sensors			
Pressure / Vacuum Sensors			Lead Time*
SPAN Pressure and Vacuum Sensor		<ul style="list-style-type: none"> Measuring range: (-1...0, 0...2, 0...10) Bar Switching output 2x PNP or NPN (selectable) IO-Link Configurable Analog output 0...10 V, 1...5V, 4...20mA 0...50 °C IP40 	★
SPAU Pressure and Vacuum Sensor		<ul style="list-style-type: none"> Measuring range: 0 to 10 bar Switching output 2x PNP or NPN (selectable) IO-Link Configurable Analog output 0...10 V, 1...5V, 4...20mA 0...50 °C IP65 	★

Grippers


Standard grippers			
			Lead Time*
DHPS Parallel Gripper		<ul style="list-style-type: none"> Diameters 6...35 mm 	★
DHRS Radial Gripper		<ul style="list-style-type: none"> Diameters 10...32 mm 	★

Control System






Control System			
			Lead Time*
CPX Terminal		<ul style="list-style-type: none"> Modular control System Electric I/O, Pneumatic Terminal CODESYS embedded control option OPC-UA server Fieldbus options (Ethernet IP, Profinet, Ethercat, Modbus TCP...) IP65/IP68 	★

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Electromechanical Axes

Electromechanical Actuators			
Linear Actuators		Lead Time*	
		★	☆
EGC-TB Toothed Belt Actuator		<ul style="list-style-type: none"> Sizes: 70, 80, 120 Fixed Strokes: 300 ... 1,500 mm Options: None 	<ul style="list-style-type: none"> Sizes: 50, 70, 80, 120, 185 Strokes: 50 ... 5,000 mm Options: Additional carriages, extended carriages
ELGA-TB Toothed Belt Actuator		<ul style="list-style-type: none"> Sizes: 70, 80, 120 Strokes: 300...1,500 mm Guide Bearing: Ball Bearing (-KF) Options: None 	<ul style="list-style-type: none"> Sizes: 70, 80, 120, 150 Strokes: 300...1,500 mm Guide Bearing: Ball (-KF) / Roller (-RF) / Plain (-G) Options: Additional carriages
Linear Actuators		Lead Time*	
EGC-BS Ball Screw Actuator		<ul style="list-style-type: none"> Sizes: 70, 80, 120 Fixed Strokes: 100...800 mm Repeatability: 0,02 mm 	★
ELGC-BS Ball Screw Actuator		<ul style="list-style-type: none"> Sizes: 32, 45, 60, 80 Fixed Strokes: 100 ... 1,000 mm Repeatability: 0,01 mm 	★
ELGC-TB Ball Screw Actuator		<ul style="list-style-type: none"> Sizes: 45, 60, 80 Fixed Strokes: 200 ... 1,500 mm Max speed: 1.5 m/s 	★
Electric Cylinders			
ESBF Electric Cylinder		<ul style="list-style-type: none"> Sizes: 32, 40, 50, 63 mm Stroke Length: 100 ... 400 mm Optional IP65 protection and FDA-approved grease 	★
EGSC Minislide		<ul style="list-style-type: none"> Sizes: 25, 32, 45, 60 mm Stroke Length: 25 ... 200 mm Repeatability: ±0.015 mm 	★
Electric Rotary Actuator			
ERMO Rotary Actuator		<ul style="list-style-type: none"> ServoLite motor pre-mounted to actuator Sizes: 12, 16, 25, 32 	★

Servo Motors and Drives

Servo Motors and Drives			Lead Time*
EMMT-AS Servo Motor		<ul style="list-style-type: none"> Flange Sizes: 60, 80, 100 mm Speed Range: 3,100...12,500 rpm Torque Range: 0.6...9.8Nm 	★
EMMS-ST ServoLite Motor		<ul style="list-style-type: none"> Flange Sizes: 28, 42, 57, 87 mm Holding torque 0.09 ... 8.6 Nm Speed Range: 430...6,000 	★
CMMT-AS Servo Drive		<ul style="list-style-type: none"> Control with EtherCAT, EthernetIP, Profinet Voltage Range: 100...230 Vac, 3X 230...480 Vac Configuration with Festo Automation Suite 	★
CMMT-ST ELV Drive		<ul style="list-style-type: none"> Control with EtherCAT, EthernetIP, Profinet Voltage Range: 24...48Vdc Configuration with Festo Automation Suite 	★
CMMO-ST ServoLite Drive		<ul style="list-style-type: none"> Control with Modbus TCP, digital I/O, or IO-Link Voltage 24 V DC Nominal current 5 A 	★
















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Process Automation

Process Automation			Lead Time*
Actuators		Lead Time*	
DFFD Quarter Turn Actuator		<ul style="list-style-type: none"> Torque Sizes: 10-480 Nm Double acting or spring return Housing: Anodized aluminum Mounting standards: ISO5211, NAMUR, VDI/VDE 3845 	★
Media Valve			
VZBE Ball Valve		<ul style="list-style-type: none"> Sizes: 1/2 - 2 in Housing: Stainless steel Seat: PTFE Connections: NPT 	★
VZBE Actuator		<ul style="list-style-type: none"> Sizes: 1/2 - 2 in Housing: Stainless steel Seat: PTFE Connections: NPT 	★
VZXF Angle Seat Valve		<ul style="list-style-type: none"> Sizes: 1/2 - 1 in Housing: Stainless steel or brass Connections, NPT or G Below the seat flow 	★
VZQA Pinch Valve		<ul style="list-style-type: none"> Sizes: 1/4, 1/2, 1 in Normally Open Housing: Stainless steel Sleeve - Silicone Connections: NPT, ASME-BPE Clamp 	★
Pilot Valve			
VSNC NAMUR Pilot Valve		<ul style="list-style-type: none"> Single solenoid, 5/2 or 3/2-way convertible Double solenoid, 5/2-way only Connection: 1/4 in NPT or G Standard and Ex-proof versions 	★
VZWD Direct-Acting Solenoid Valve		<ul style="list-style-type: none"> Connection: 1/8 or 1/4 in, NPT or G Orifice Sizes: 2-6 mm Housing: Stainless steel or brass Seals: FKM (Viton) Voltage: 24VDC 	★
VZWF Force-Piloted Solenoid Valve		<ul style="list-style-type: none"> Connection: 1/4 - 1 in, NPT or G Housing: Brass Seals: NBR Voltage: 24VDC 	★
VZWM Valve for air/ water		<ul style="list-style-type: none"> Connection: 1/4 - 1 in, NPT or G Housing: Brass or stainless steel Seals: NBR Voltage: 24VDC 	★
Sensor Box/Positioner			
CMSX Digital Positioner		<ul style="list-style-type: none"> Operating Voltage: 24VDC Input Signal: 0-10V, 4-20mA, 0-20mA Feedback Signal: 4-20 mA Fail Positions: Open, Closed, Freeze* *double acting only 	★
SRBC Sensorbox		<ul style="list-style-type: none"> Aluminum housing with 2 cable inputs Red/yellow visual indicator Switches: Mechanical, inductive, or magnetic reed Certifications: cCSAus, NEMA 4X 	★
SRBE Sensorbox		<ul style="list-style-type: none"> Aluminum housing with 2 cable inputs Red/yellow visual indicator Switches: Mechanical, inductive, or magnetic reed Certifications: Class 1, Division 1, NEMA 4X 	★
SRBG Sensorbox		<ul style="list-style-type: none"> Direct mount on actuators with VDI/ VDE 3845 standard Must be used with SASF indicator LED status display on unit Switches: inductive proximity M12 electrical connection 	★
SASF Position Indicator		<ul style="list-style-type: none"> Direct mount on actuators with VDI/ VDE 3845 standard Yellow/black indicator lines Used with SRBG sensor for sensing Four fixed actuating lugs set at 90° positions 	★













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Air Preparation Units

Filter Regulators, Pressure Regulators			Lead Time*	
Inch Series			★	☆
MSxN-LFR Filter/Regulator		<ul style="list-style-type: none"> Pressure: 5...176 psi Flow: 30...219 scfm Port: 1/8NPT...3/4NPT 	MS4N 1/4 MS6N 1/2	1/8, 3/4 NPT
MSxN-LR Pressure Regulator		<ul style="list-style-type: none"> Pressure: 5...176 psi Flow: 35...265 scfm Port: 1/8NPT...3/4NPT 	MS4N 1/4 MS6N 1/2	1/8, 3/4 NPT
Metric Series				
MS2-LFR-X Filter/Regulator		<ul style="list-style-type: none"> Port: M5 & QS6 Scale: BAR & MPA Flow 310 l/min Pressure range: 0.5...7 bar 	Bar scale	
MSx-LFR Filter/Regulator		<ul style="list-style-type: none"> Pressure: 0.3...12 bar Flow: 850...6200 l/min Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	G1/8, G3/4
MS2-LR-X Filter/Regulator		<ul style="list-style-type: none"> Port: M5 & QS6 Scale: BAR & MPA Flow 310 l/min Pressure range: 0.5...7 bar 	Bar scale	
MSx-LR Pressure Regulator		<ul style="list-style-type: none"> Pressure: 0.3...12 bar Flow: 1000...7500 l/min Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	G1/8, G3/4
MSx-LRB Manifolding Regulator		<ul style="list-style-type: none"> Pressure: 0.3...12 bar Flow: 1700...7300 l/min Port: G1/4...G1/2 	MS4 1/4 MS6 1/2	—
Filters				
Inch Series			Lead Time*	
			★	
MSxN-LF Filters		<ul style="list-style-type: none"> Pressure: 5...176 psi Flow: 71...145 scfm Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	
MSxN-LFM-B Fine Filters		<ul style="list-style-type: none"> Pressure: 5...176 psi Flow: 6...30 scfm Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	
MSxN-LFM-A Micro Filters		<ul style="list-style-type: none"> Pressure: 5...176 psi Flow: 4...17 scfm Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	
MSxN-LFX Carbon Filter		<ul style="list-style-type: none"> Pressure: 0...235 psi Flow: 8.8 scfm Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	
Metric Series				
MSx-LF Filters		<ul style="list-style-type: none"> Pressure: 2...12 bar Flow: 1000...4500 l/min Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	
MSx-LFM-B Fine Filters		<ul style="list-style-type: none"> Pressure: 2...12 bar Flow: 54...950 l/min Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	
MSx-LFM-A Micro Filters		<ul style="list-style-type: none"> Pressure: 2...12 bar Flow: 54...900 l/min Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	
MSx-LFX Carbon Filter		<ul style="list-style-type: none"> Pressure: 0...14 bar Flow: 360...900 l/min Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	

★ Ready for dispatch from the Festo factory in 24 hours
 ☆ Ready for dispatch from the Festo factory in 5 days or less

Air Preparation Units









Manual & Electrical On/Off Valves			Lead Time*	
Inch Series			★	☆
MSxN-EM1 Manual On/Off		<ul style="list-style-type: none"> Flow: 78...247scfm Port: 1/8NPT...3/4NPT Rotary Knob with Detent 	MS4N 1/4 MS6N 1/2	—
MSxN-EE Electric On/Off		<ul style="list-style-type: none"> Flow: 71...247scfm Port: 1/8NPT...3/4NPT 	MS4N 1/4 MS6N 1/2	—
Metric Series				
MSx-EM1 Manual On/Off		<ul style="list-style-type: none"> Flow: 2200...7000 l/min Port: G1/8...G3/4 Rotary Knob with Detent 	MS4 1/4 MS6 1/2	—
MSx-EE Electric On/Off		<ul style="list-style-type: none"> Flow: 2000...7000 l/min Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	—
Safety Valves				
Metric Series				
MS6-SV-C Safety Valve PLC		<ul style="list-style-type: none"> Pressure: 3...10 bar Flow: 1---> 2 5,700 l/min 2---> 3 7,600 l/min exh. Port: G1/2 (1&2) G3/4 (3) 		★
MS6-SV-D Safety Valve PLD		<ul style="list-style-type: none"> Pressure: 3.5...10 bar Flow: 1---> 2 4,300 l/min 2---> 3 9,000 l/min exh. Port: G1/2 (1&2) G1 (3) 		★
MS6-SV-E Safety Valve PLE		<ul style="list-style-type: none"> Pressure: 3.5...10 bar Flow: 1---> 2 4,300 l/min 2---> 3 9,000 l/min exh. Port: G1/2 (1&2) G3/4 (3) 		★
Soft-Start Valves				
Metric Series				
MSx-DL Soft Start		<ul style="list-style-type: none"> Flow: 2,000...6450 l/min Port: G1/8...G3/4 Pneumatically Actuated 	MS4 1/4 MS6 1/2	
Branch Module				
Inch Series				
MSxN-FRM Branch Module		<ul style="list-style-type: none"> Flow: 143...519scfm Port: 1/8NPT...1NPT 	MS4N 1/4 MS6N 1/2	
Metric Series				
MSx-FRM Branch Module		<ul style="list-style-type: none"> Flow: 4,050...14,700 l/min Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	
Pressure Gauges				
Inch and Metric Series				
Series MA Pressure Gauge		<ul style="list-style-type: none"> 40...50 mm Port: G1/8, G1/4 Pressure: 0...240 psi, 0...16 bar 		1/4
Inch/Metric Red/Green Pressure & Vacuum Gauges				
Series MA-...-RG Red/Green Gauge		<ul style="list-style-type: none"> Diameter: 40 mm Inch Port: 1/8 NPT, 1/4 NPT Metric Port: R1/8, R1/4 Scale: 0-36; 0-60; 0-150 bar/psi and Vacuum bar/InHg 		1/8 1/4

* Lead times shown are the standard configurations. For complete Stars of Automation program conditions and specific qualifying part numbers, visit www.festo.com/stars

Fittings/Flow Controls/Tubing/Silencers

Fittings/Flow Controls/Tubing/Silencers			
Inch Series			Lead Time*
QB/QBM-...-U Threaded Push-in Fittings		<ul style="list-style-type: none"> • Thread: 10-32UNF...1/2NPT • Straight, Elbow, T, and Y • 1/8...1/2 	★
QB-...-U Push-in Fitting Connector		<ul style="list-style-type: none"> • Tubing O.D.: 5/32...1/2in • Straight, Elbow, T, and Y • 1/8...1/2 	★
GRLA-...-U 1-way Flow Control		<ul style="list-style-type: none"> • Thread: 10-32UNF...1/2NPT • Tubing O.D.: 1/8...1/2 in 	★
GR-...-U In-line 1-way Flow Control		<ul style="list-style-type: none"> • Tubing O.D.: 5/32...1/2 in 	★
Hybrid Series			
QS/QSM-...-U-M Threaded Push-in Fittings		<ul style="list-style-type: none"> • Thread: M3...R1/2 • Tubing O.D.: 1/8...1/2 in • Straight, Elbow, T and Y Configurations 	★
QBL-U-M/QBT-U-M Push-in Fittings		<ul style="list-style-type: none"> • Thread: M5...R1/2 • Tubing O.D.: 1/8...1/2 in • Straight, Elbow, T and Y Configurations 	★
GRLA-...-U-M 1-way Flow Control		<ul style="list-style-type: none"> • Thread: M5...G1/2 • Tubing: 1/4...1/2 in 	★
Metric Series			
QS/QSM-... Threaded Push-in Fitting		<ul style="list-style-type: none"> • Thread: M3...G1/4 • Tubing O.D.: 3...10 mm • Straight, Elbow, T and Y Configurations 	★
QS/QSM-... Push-in Fitting Connectors		<ul style="list-style-type: none"> • Tubing O.D.: 4...12 mm • Straight, Elbow, T, and Y Configurations 	★
GRLA... 1-way Flow Control		<ul style="list-style-type: none"> • Thread: M5...G1/2 • Tubing O.D.: 4...12 mm 	★
Inch and Metric Series			
NPQH... Metal Push-in Threaded Fittings		<ul style="list-style-type: none"> • G1/8, G1/4 • Tubing O.D.: 4...10 mm • Straight, Elbow, Plugs 	★

Fittings/Flow Controls/Tubing/Silencers

Safety Couplings & Plugs			
Coupling			Lead Time*
NPHS-D6... Safety Coupling		<ul style="list-style-type: none"> • Threads: G1/4...G1/2 	★
Plugs			
NPHS-S6... Coupling Plug		<ul style="list-style-type: none"> • Threads: G1/8...G1/2 	★
Silencers			
Inch Series			Lead Time*
AMTE Metal Silencers		<ul style="list-style-type: none"> • Threads: M3...G1/2 	★
Silencers		<ul style="list-style-type: none"> • Threads: G1/8...G1 1/8...1/2NPT • Housing: Metal & Composite 	★
UC-... Polymer Silencers		<ul style="list-style-type: none"> • Threads: M5...G1/4 	★
Polyurethane Tubing			
Inch Series			Lead Time*
			★ ☆
PUN-H-...-150-CB Inch Tubing		<ul style="list-style-type: none"> • Package: 150ft Rolls • Diameter: 1/8...1/2inch • Colors: Solid: Blue, Black, Silver • Translucent: Blue, Natural 	★ —
Metric Series			
PUN-H-... Metric Tubing		<ul style="list-style-type: none"> • Package: 50m Rolls • Diameter: 4...12mm • Colors: Solid: Blue, Black, Silver • Translucent: Blue, Natural 	★ —
PUN-H-... Metric Tubing		<ul style="list-style-type: none"> • Package: 200...500m Reels (diameter dependent) • Diameter: 4...12mm • Colors: Solid: Blue, Black, Silver • Translucent: Blue, Black, Natural 	— ☆

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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.

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