









MOTION CONTROL SOLUTIONS




Motion Control Solutions provides automation and actuation solutions for the whole factory. We deal in pneumatic and electrical machine parts such as cylinders, valves, sensors, tubes, connectors and other accessories. We offer products from brands such as Festo, Camozzi, Aignep and Janatics.


Pneumatic and Electrical Actuators, Cylinders, Drives

	<p>Piston Size (mm): 2.5, 4, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 63, 80, 100</p>
<p>Round Cylinder CRDSNU, DSNU, DSNU-S, ESNU, CRHD, EG</p>	<p>Strokes (mm): 10 – 100 (CRDSNU), 10 – 500 (DSNU, DSNU-S, ESNU, CRHD), 5 – 25 (EG), 25 – 500 (A10, A11, A12, A13, A75, 76), 10 – 300 (A50, A53, A54, A55, A56)</p>
	
<p>Air Cylinders A10 A11 A12 A13 A50 A53 A54 A55 A56 A75 A76</p>	
	<p>Piston Size (mm): 80, 100, 125, 160, 200, 250, 320</p>
<p>Linear Actuator DFPC, DFPI Air Cylinders Series A16, A17, A18, A19</p>	<p>Strokes (mm): 50 – 400 (DFPC), 40 – 990 (DFPI), 10 – 1600 (DFPC), 50 – 500 (A16, A17 A18 A19)</p>
	<p>Piston Size (mm): 32, 40, 50, 63, 80, 100, 125, 160, 200, 250, 320</p>
<p>Standard Cylinders CRDNG, DSBC, DSBG, DSBF</p>	<p>Strokes (mm): 10 – 2000 (CRDNG), 20 – 500 (DSBC), 1 – 2800 (DSBG), 25 – 500 (DSBF, A20, A21, A23, A23H, A24H, A24, A25, A26, A27, A28)</p>
	
<p>Air Cylinders Series A20, A21, A23, A24, A23H, A24H, A25, A26, A27, A28</p>	
	<p>Piston Size (mm): 6, 10, 12, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125</p>
<p>Compact Cylinder CDC, ADN, AEN, ADN-S, AEN-S, DPDM, ADNGF</p>	<p>Strokes (mm): 1 – 500 (CDC, AND), 1 – 25 (AEN), 5 – 50 (AND-S), 5 – 25 (AEN-S), 5 – 50 (DPDM), 1 – 400 (ADNGF), 10 – 100 (A51, A52), 5 – 80 (A02, A02G, A02G1, A02G2, A03, A03G, A03G1, A03G2, A63, A64), 10 – 80 (A60, A61)</p>
	
<p>Air Cylinders A02, A02G1, A02G1, A02G2, A03, A03G, A03G1, A03G2, A51, A52, A60, A61, A63, A64</p>	
	<p>Piston Size (mm): 8, 12, 16, 18, 20, 25, 32, 40, 50, 63, 80</p>
<p>Linear Drive DGC, DGC-K, DGC-FA, DGC-HD, SLG, DLGF, DGO, SLM</p>	<p>Strokes (mm): 1 – 8500 (DGC, DGC-K, DGC-FA), 1 – 5000 (DGC-HD), 100 – 900 (SLG), 50 – 1000 (DLGF), 10 – 4000 (DGO), 10 – 1500 (SLM)</p>

	Piston Size (mm): 16, 20, 25, 32, 40
	Strokes (mm): 10 – 100 (DSL), 10 – 200 (DSL-B)
Swivel Cylinder DSL, DSL-B	

	Piston Size (mm): 12, 16, 18, 20, 25, 32, 40, 50, 63
	Strokes (mm): 10 – 320 (DZF), 1 – 1000 (DZH)
Flat Cylinder EZH, DZF, DZH	









	Piston Size (mm): 4, 6, 8, 10, 12, 16, 20, 25, 32, 40, 50, 63
	Strokes (mm): 10 – 200 (DGST, DGSL, A91SL), 5 – 30 (SLS), 10 – 80 (SLF), 5 – 60 (DGSS), 10 (DGSC)
Mini Slide DGST, DGSL, SLS, SLF, DGSS, DGSC	Compact Guided Cylinder A91SL



	Piston Size (mm): 15, 20, 25, 26, 32, 33, 35, 40, 45, 46, 50, 55, 60, 63, 70, 75, 80, 90, 100, 120, 125, 150, 185, 160, 220
	Strokes (mm): 30 – 300 (EGSL), 10 – 80 (EPCE-TB), 30 – 1500 (ESBF), 25 – 500 (EPCC, EPSC), 25 – 200 (EGSC-BS, EGSS), 25 – 800 (EGSK), 50 – 3000 (EGC-BS-KF, ELGA-BS-KF), 100 – 1000 (ELGC-BS), 50 – 2400 (EGC-HD-BS), 50 – 1400 (ELGT-BS), 50 – 1000 (ELGD-BS-WD), 50 – 2000 (ELGD-BS), 100 – 800 (ELGS-BS)
Electrical Slides and Cylinders EGSL, EPCE-TB, ESBF, EPCC, EGSC-BS, EPCS, EGSS, EGSK, EGC-BS, ELGC-BS, EGC-HD-BS (heavy-duty guide), ELGT-BS, ELGD-BS, ELGD-BS-WD, ELGS-BS, ELGA-BS-KF	Spindle Pitch (mm): 1, 2, 2.5, 3, 4, 5, 6, 8, 10, 12, 15, 16, 20, 25, 32, 40

	Piston Size (mm): 35, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120, 125, 150, 160, 185, 220
	Strokes (mm): 50 – 8500 (EGC-TB-KF, ELGA-TB-KF, EGC-FA), 200 – 2000 (ELGC-TB), 50 – 2800 (ELGD-TB-KF-WD), 50 – 2850 (ELGD-TB), 50 – 5000 (EGC-HD-TB), 50 – 1200 (ELGG), 100 – 1500 (ELGR-TB), 200 – 2000 (ELGS-TB), 50 – 800 (ELGE-TB) 50 – 2000 (ELCC)
Electrical Toothed Axis EGC-TB, EGC-HD-TB, EGC-FA, ELGC-TB, ELGD-TB, ELGD-TB-KF-WD, ELGA-TB-KF, ELGG, ELGR-TB, ELGS-TB, ELGE-TB, ELCC	







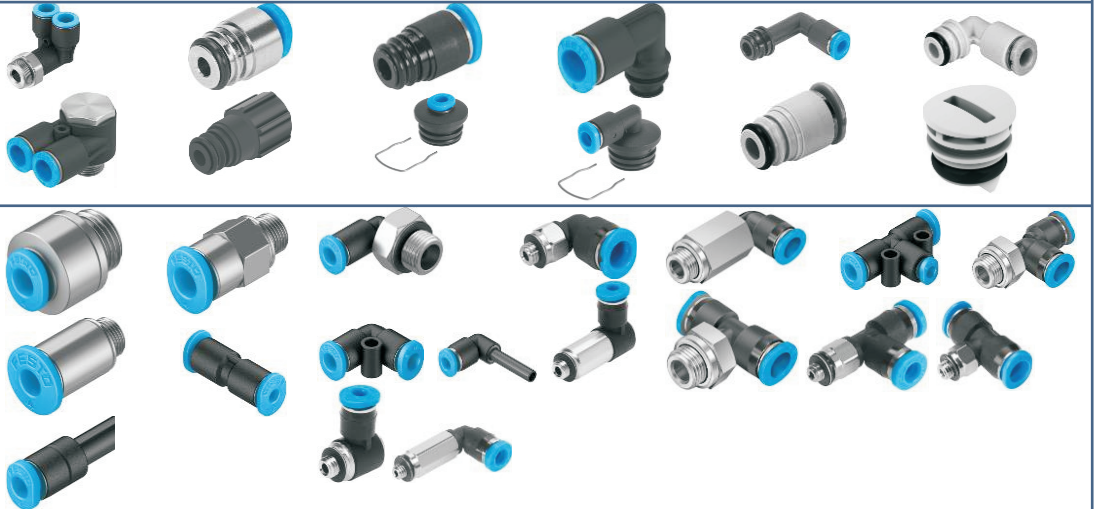


	Piston Size (mm): 40, 60, 100, 160
	Strokes (mm): 10 – 2000 (DLFG, DLFC)
Cylinder with holding brake DFLC, DFLG	

	Piston Size (mm): 32, 40, 50, 63, 80, 100
	Strokes (mm): 2 – 500
High Force Cylinder DNCT	

 <p>Rotary Actuator Series A1R, A01R2</p>	<p>Size (mm): 6, 8, 10, 12, 15, 16, 18, 20, 25, 32, 40, 50, 63</p> <p>Angle: 90, 180, 200, 240, 270</p>
<p>Semi-rotary Drives DSM, DSM-B, DRVS, DRRD, DRRS, DSMI, ERMS (electric), ERMB (electric), ERMO (electric)</p>	
 <p>Quarter Turn Actuators DFPD, DAPS, DFPD-HD</p>	<p>Size (mm): 8, 10, 15, 20, 30, 40, 53, 60, 80, 90, 106, 120, 180, 160, 235, 240, 280, 300, 335, 360, 385, 435, 480, 485, 535, 585, 635, 685, 700, 720, 735, 900, 960, 1200, 1440, 1920, 2300, 2880, 3840, 4000, 5760, 8000</p>
<p>Quarter Turn Actuators DFPD, DAPS, DFPD-HD</p>	<p>Angle: 90, 120, 135, 180</p>
 <p>Guided Drives DFM, DFM-B, DGRF-C, DFC</p>	<p>Piston Size (mm): 4, 6, 10, 12, 16, 20, 25, 32, 40, 50, 63, 80, 100</p> <p>Strokes (mm): 10 – 400 (DFM, DFM-B, DGRF-C), 5 – 30 (DFC)</p>
<p>Guided Drives DFM, DFM-B, DGRF-C, DFC</p>	
 <p>Cylinders with Displacement Encoder DNCI, DGCI, DDPC, DDLI</p>	<p>Piston Size (mm): 18, 25, 32, 40, 50, 63, 80, 100</p> <p>Strokes (mm): 10 – 2000 (DNCI, DDPC), 100 – 2000 (DGCI, DDLI)</p>
<p>Cylinders with Displacement Encoder DNCI, DGCI, DDPC, DDLI</p>	
 <p>Twin Cylinders DPZ, DPZJ, DGTZ</p>	<p>Piston Size (mm): 6, 10, 16, 20, 25, 32</p>
<p>Twin Cylinders DPZ, DPZJ, DGTZ</p>	<p>Strokes (mm): 10 – 100 (DPZ, DPZJ, DGTZ)</p>
 <p>Stopper Cylinders DFST-G2, DFSP, STAF, EFSD (electric)</p>	<p>Piston Size (mm): 16, 20, 32, 50, 63, 80, 100</p> <p>Strokes (mm): 20 – 40 (DFST-G2), 10 – 30 (DFSP), 30 – 40 (STAF)</p>
<p>Stopper Cylinders DFST-G2, DFSP, STAF, EFSD (electric)</p>	
 <p>Feed Separators HPV, HPVS</p>	<p>Piston Size (mm): 10, 14, 22</p> <p>Strokes (mm): 10 – 60 (HPV, HPVS)</p>
<p>Feed Separators HPV, HPVS</p>	
 <p>Tandem Cylinder Series A23T, A24T Multi-position Cylinder Series A63, A64</p>	<p>Piston Size (mm): 32, 40, 50, 63, 80, 100, 125</p> <p>Strokes (mm): 25 – 500 (A23T, A24T), 10 – 80 (A63, A64)</p>
<p>Tandem Cylinder Series A23T, A24T Multi-position Cylinder Series A63, A64</p>	

	Size: G ¼
Rotary Indexing Table Series RIT-180	No. of stages: 4, 6, 8, 12, 24
	Piston Size (mm): 10, 16, 20, 25, 32, 40, 50, 63, 80, 100
Parallel Grippers AG1P, Three Point Chuck AG3J, Angular Grippers AG1A	

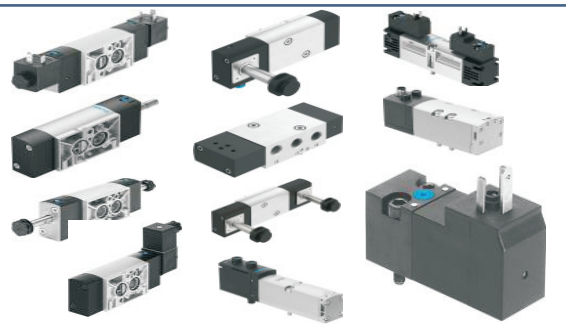

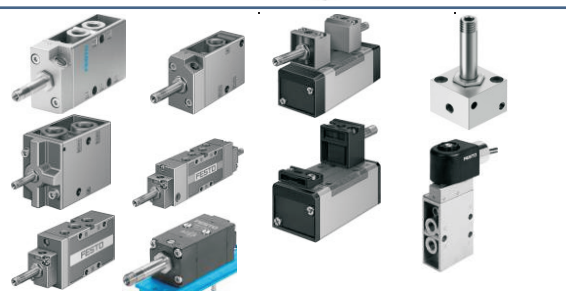
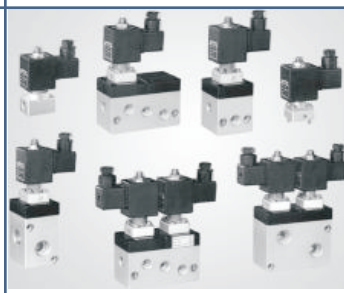
Pneumatic Tube Connections

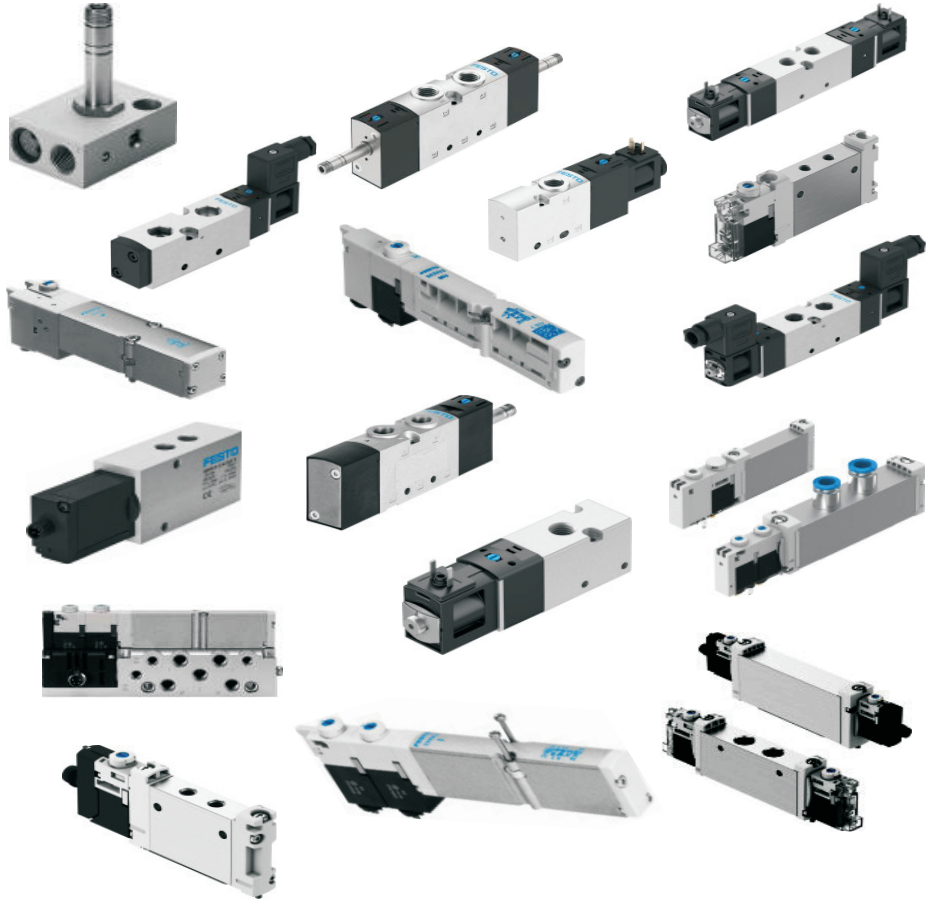
		Thread: R, G, M, M3, M5, M6, M7 Size: 1/8, 1/4, 3/8, 1/2, 3/4, 0.8 Tube Size (mm): 2, 2.6, 3, 4, 5, 5.5, 6, 6.5, 7, 7.5, 8, 10, 11, 12, 15, 16, 22
Push-in Fitting QS, QSQ, QSW, QSH, QSF, NPQE-D, NPQE-DK, Series 3, WM5	Push-in Fitting QSL, QSLV, QSL, QSLF, NPQE-L, NPQE-LH	
		
Rotable Push-in Fitting QSR, QSRL NPQE-L	Push-in Fitting QSMK, QSMKL, QSKL, QSSK, QSK	
		
Push-in Fitting QST, QSTF, QSTL, QSY, QSYTF, NPQE-T, NPQE-LT	Fluid Separator CQA	
		
Push-in Fitting QSYL, QSYLV, QSP, QSPK, QSPLK, QSPLLK, QSPKG, QSPLKG, QSPC, NPQE-LL, NPQE-LQ Mini Push-in Fittings QSM, QSML, QSMLL, QSMLV, QSMLLV, QSMT, QSMTL, Series WP3		
		
Push-in Fitting QSMS, QSMF, QSMY, NPQE-Y, Series WP2	Push-in Fitting QSS, QSSF, NPQE-H	


		
<p>Push-in Fitting QSC, QSMC, QSX, QSMX, NPQE-X</p>	<p>Push-in Fitting NPQM-LFK, NPQM-LK, NPQM-L, NPQM-LH, NPQM-T, NPQM-D, NPQM-Y</p>	
		
<p>Push-in Fitting NPQP-D, NPQP-H, NPQP-L, NPQP-T, NPQP-Y, NPQP-LH, NPQP-P</p>	<p>Push-in Fitting NPQR-DK, NPQR-L, NPQR-T, NPQR-BK, NPQR-D, NPQR-H</p>	

	<p>Size: 18 (KA), 11 (KB), 9.4 (KC)</p>
<p>Solenoid Connectors KA, KB, KC</p>	


Solenoid and Pneumatic Valves (Direction Control) and Valve Terminals

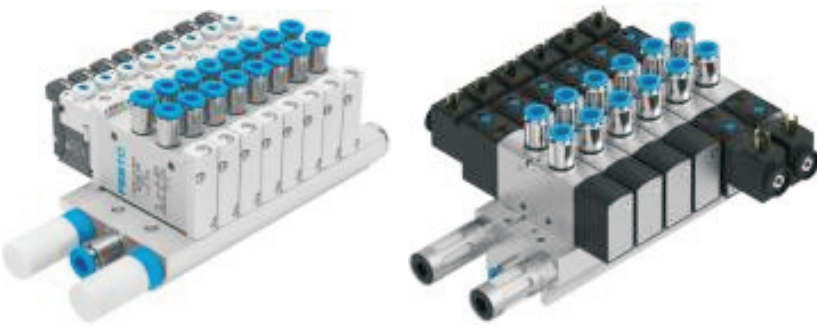
		<p>Valve Type: 5/2-way double solenoid, 5/2-way single solenoid, 5/3-way pressurized, 5/3-way exhausted, 5/3-way closed, 3/2-way NO, 3/2-way NC, 2x3/2-way NO, 2x3/2-way NC, 2x3/2-way 1x NC 1x NO,</p>
		<p>Pneumatic Connection: G 1/4, 1/4 NPT, 6mm, 8mm, 10mm, 1/4", 3/8", 5/16", 18mm, 26mm, 42mm, 52mm, 15mm, 30mm, G 1/8, G 3/8, 1/8 NPT, 3/8 NPT, 4mm, 12mm, 1/2", 5/32", 5/16", M3, M5, M7, 3mm, 4mm with M7, 6mm with M7, 3/16" with M7, 1/4" with M7, 5/16" with M7, Flange/sub-base</p>
<p>Solenoid Series J, E4, E5, DP1, DS2 (compact), DS3</p>		<p>Voltage (V): 24DC, 24AC, 24 DC and AC, 110 DC and AC, 230AC, 230DC, 12DC, 48DC, 120AC and 110AC, 60 DC and AC</p>

	<p>(compact), DS4(iso subbase, compact), DS5 (compact), DMN</p>	<p>Operation: Pneumatic spring, Mechanical spring, Mixed pneumatic and mechanical spring, manually operated lever, panel mounting,</p>
<p>Solenoid Valve VSNC, VSVA, VSCS, MCH, MFH, MOCH, MOFH, JMFH, JMFDH, VUVS, VUVG, VTUG, VMPA, MPYE</p>	<p>Size: 10 deviating flow, 10, 14, 18, 20, 25, 30</p>	

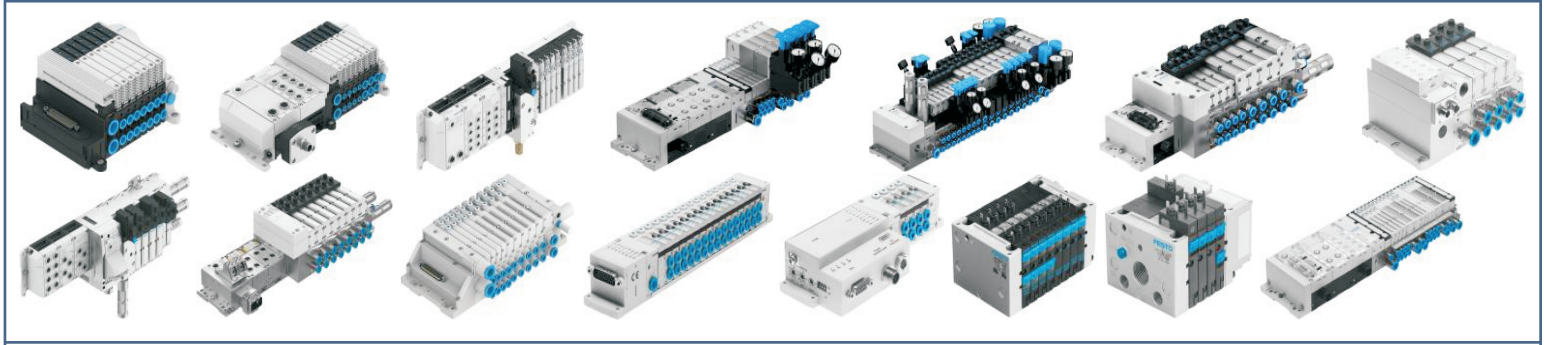
	<p>Valve Type: 2x2/2-way NC, 2x3/2-way NO, 2x3/2-way NO reversible, 2x3/2-way NC, 2x3/2-way NC reversible, 2x3/2-way 1x NC 1x NO, 2x3/2-way 1x NC 1x NO reversible, 3/2-way NC, 5/2-way double pilot, 3/2-way NO, 5/2-way monostable, 5/2-way bistable, 5/3-way pressurized, 5/3-way exhausted, 5/3-way closed</p>
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<p>Pneumatic Valve VSVA, VSCS, VSNC, JH, JDH, VL/O, VL, VUWS</p> 	<p>Pneumatic Connection: 18mm, 26mm, 42mm, 15mm, 30mm, G 1/8, G 1/4, G 1/2, G 3/4, 1/8 NPT, 1/4 NPT, 3/8 NPT, 4mm, 6mm, 8mm, 10mm, 12mm, 5/32", 1/4", 3/8", 5/16", 1/2", M5</p> <p>Operation: Pneumatic spring, Pneumatic external spring, Mechanical Spring, Roller lever, Hand lever, Finger lever, Foot, Push button</p>
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	<p>Pin Allocation: 12 double solenoid / bistable or 24 single / monostable, 18 double solenoid / bistable and 6 single / monostable, 10 double solenoid / bistable, 8 double solenoid / bistable and 4 single / monostable, 4 double solenoid / bistable and 12 single / monostable, 20 single solenoid / monostable, 24 double solenoid / bistable</p> <p>Pneumatic Connection: 6mm, 8mm, 10mm, 12mm, 16mm, G 1/8, G 1/4, G 3/8 Push in 1/4", 3/8", 5/16", 1/2"</p> <p>Number of Pins: 25, 26, 44, 50</p>
<p>Valve Terminal VTUG, VTUG-S</p>	

	<p>Valve Function: 2x3/2-way N/O, 2x3/2-way N/C 2x3/2-way 1-N/O 1 N/C, 5/2-way double solenoid / bistable, 5/2-way single solenoid / monostable, 5/3-way mid-position pressurised, 5/3-way mid-position exhausted, 5/3-way mid-position closed 3/2-way N/O, 3/2-way N/C</p> <p>Pneumatic Connection: M3, G 1/8, G 1/4, G 3/8 M5, M7, 1/8 NPT, 1/4 NPT, 3/8 NPT, Push-in 3mm 4mm, 6mm, 8mm, 10mm, 1/8", 5/32", 3/16", 1/4" 3/8", 5/16", 4mm with M7, 6mm with M7, 3/16" with M7, 1/4" with M7, 5/16" with M7, Flange / sub-base</p>
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Valve Terminal VTUG-S **Size:** 10, 14, 18, 20, 25, 30



Valve Terminals VTUX-A-P MPA-FB VTSA MPAL-VI CPV-SC CPV10 CPV14 CPV18 MPA-S

Other Valves (Flow Control)


	<p>Thread: R, G, M3, M5, M7</p> <p>Thread Size: 1/8, 1/4, 3/8, 1/2, 3/4</p>
<p>Flow Control Valve GRLA, GRLZ, GRLSA, CRGRLA, VFOE, Series GR2 Tube Size: 3, 4, 6, 8, 10, 12</p>	

	 <p>Exhaust Valve VBQF</p>	<p>Connection 1: 4mm, 6mm, 8mm, 10mm, 12mm, G 1/8, G 3/8, G 1/4, G 1/2, G 3/4, R 1/8, R 1/4, R 3/8, R 1/2, M5</p> <p>Connection 2: M5, G 1/8, G 1/4, G 3/8, G 1/2, G 3/4, 4mm, 6mm, 8mm, 10mm, 12mm</p>
<p>Check Valve HGL, H, HA, HB, VBNF, Servies GV2</p>		

					<p>Connection: G 1/8, G 1/4, G 3/8, G 1/2, G 3/4, M5, G 1, G 1 1/2</p>
<p>Exhaust Valve SE, SEU, Series GQ</p>	<p>AND Valve Series GA, OR Valve Series GB</p>	<p>Ball Valve QH, QHS</p>	<p>Hand Slide Valve VBOH</p>	<p>Rotary Slide Valve Series DR</p>	

		<p>Valve type: 2/2, 3/2</p> <p>Connection: R 1/8, R 1/4, R 1/2, R 3/8, 6mm, 8mm, 10mm, 12mm, G 1/2, G 1/4, G 3/4</p>
<p>Shut-off Valve HE</p>	<p>Angle Seat Valve Series DY2</p>	

Sensors

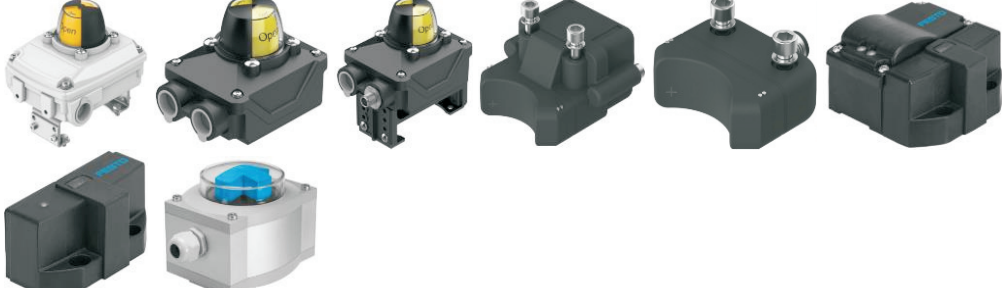
	<p>Sensing element: N/C contact, N/O contact, antivalent</p> <p>Voltage: 24V</p> <p>Design: T-slot, round, cube</p>
<p>Proximity Sensor SIES, SIEN, SIEH, SIES-8M, SIED, SIEF, SMAT-8M, SDAT-MHS, SDAS-MHS, SDAC-MHS, SMT-10M, SMT-10G, SDBC-MSB, CRSMEO-4</p>	

	<p>Size: 6, 8, 10, 12, 16, 25, 32, 40</p>
<p>Position Sensor SRBS, SASF</p>	

	<p>Size: M12, M18</p>
<p>Optical Sensor SOEG-E (receiver), SOEG-S (transmitter), SOEG-RS, SOEG-RT</p>	

	<p>Range (mm): 30, 50, 80, 1000, 2000 0000</p>
<p>Optical Sensor SOOD, SOOE</p>	

	<p>Design (mm): 30, 50, 80, 120</p>
<p>Fork Light sensor SOOF</p>	


	<p>Range (degrees): 0 – 90, 0 – 270 (SRAP)</p> <p>Electric connection: Screw, M12, M20</p>
<p>Limit Switch SRBC, SRBE, SRBK, SRBI, SRBG, SRAP</p>	


	<p>Electric connection: M8, L1</p>
<p>Signal Converter SVE4, SCDN</p>	

	<p>Measuring Range (L/min): 0.1, 0.5, 1, 2, 5, 10, 32, 50, 100, 200, 600, 1000, 3000, 5000, 10000, 15000</p> <p>Input Connection: M5, 3mm, 4mm, 6mm, 8mm, 10mm, 12mm, 3/8", 1/4", 5/8", G1, G1/2, G 3/4, G1 1/2, G 1/8, G 1/4, 1 NPT, 1/2 NPT 1 1/2 NPT R 1/2 R 3/4</p> <p>Output Type: Pneumatic, Electrical</p>
<p>Flow Sensor SFTE, SFAH SFAM, SFAB, SFAW</p>	

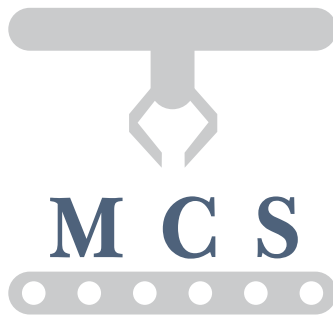
	<p>Sensing element: Proximity switch (inductive), Micro switch (antivalent)</p>
<p>Limit Switch DAPZ</p>	

Pneumatic Tubes and other accessories

	<p>Color: Blue, Black, Yellow, Green, Natural, Red, Silver, Black, Translucent Blue, Translucent Yellow, Translucent Green, Translucent Red, Translucent Black, Blue/Black, White</p> <p>Size (mm): 2, 3, 4, 6, 8, 10, 12, 14, 16</p> <p>Material: Polyurethane, polyamide, polyethylene, polytetrafluorethylene</p>
<p>Plastic Tubing PUN-H, PUN-H-DUO, PUN-S, PUN-S-DUO, PEN, PAN, PUN, PFAN, PAN-MF, PLN, PAN-R, PUN, PUN-DUO, PUN-CM, PUN-H-F, PTFEN, PUN-H-SF, Series WHC</p> <p>Type: Hydrolysis resistant, flame retardant, automotive approval, sturdy, DUO tubing, antistatic, food safe, flexible</p>	

	<p>Stroke (mm): 100, 150, 225, 300, 360, 450, 600, 750, 1000, 1250, 1500, 1750, 2000</p>
<p>Displacement Encoder MLO-POT-LWG, MLO-POT-TLF, MME-MTS-TLF</p>	

<p>Other available accessories</p>	<p>Connecting cables for sensors, electric actuators, cylinders and drives Mountings for valves, cylinders, sensors, Tube Holders WT</p>
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Filter
Regulators



High Pressure
Regulators



Volume
Boosters



I/P Transducers



Valve Positioners

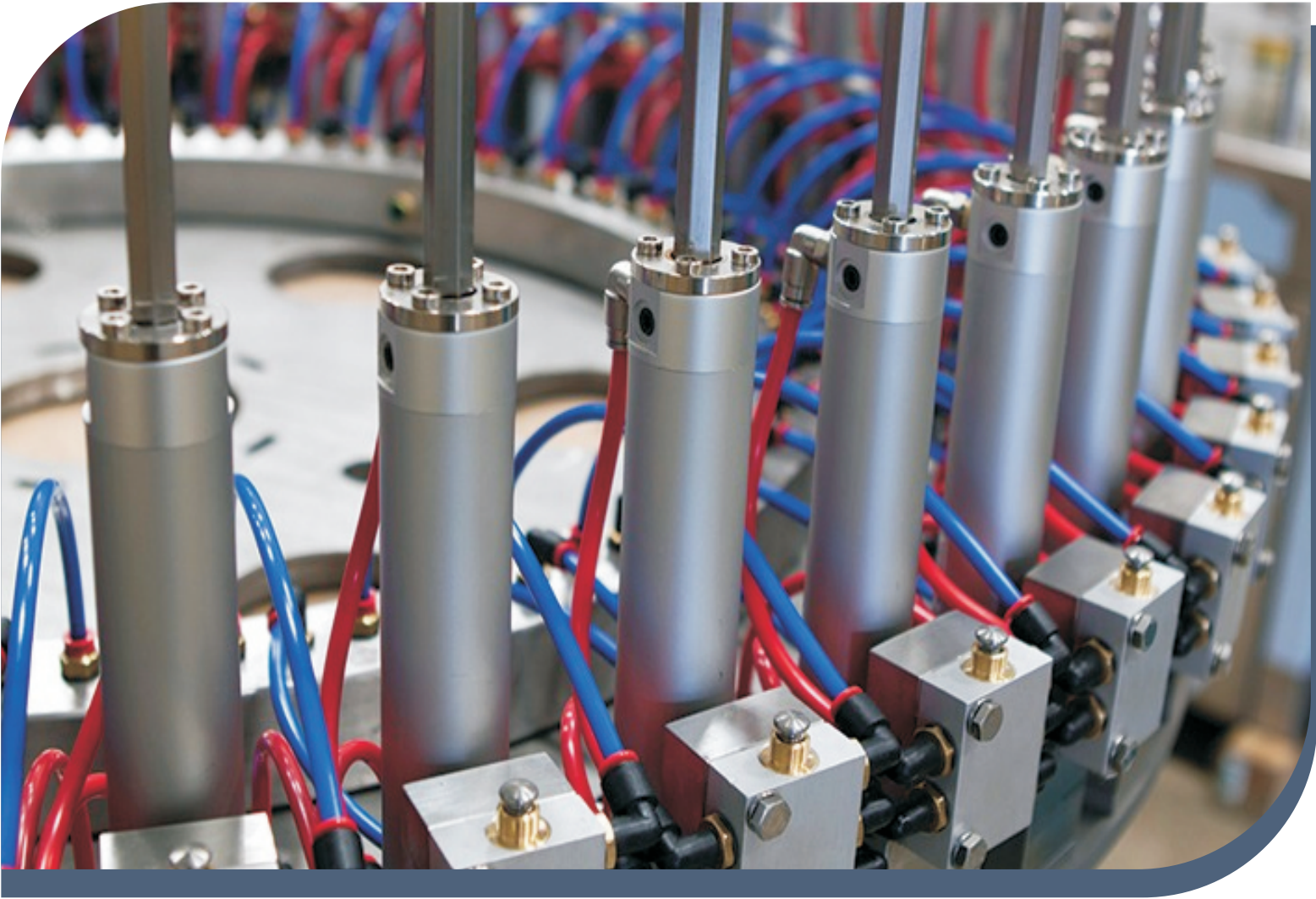
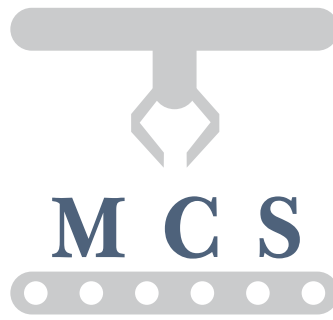


FESTO

AIGNEP

CAMOZZI

JANATICS
Pneumatic



MOTION CONTROL SOLUTIONS

For more information
please contact

Parth Jain

GSTIN: 06AVTPJ5626P1ZR

- 📍 5116, G.F., DLF Phase 4,
Gurgaon-122009 Haryana
- ☎ +91-9810022116
- ✉ parth@mcisol.com
- 🌐 www.mcisol.com