Air prep











*Blue highlight = NPT/INCH

Section 1 - Component options

Filters and mist removal components (left to right flow direction)

Air filter MS-LF Series	Festo part # V=Auto drain M=Manual drain	Port size	Flow	Item #	Bracket # (Note 1)	Item # bracket
 5 Micron	MS4N-LF-1/4-CRV	1/4" NPT	46 SCFM	531493	MS4-WB	532185
	MS4N-LF-1/4-CRM	1/4" NPT		531489	MS4-WB	532185
	MS6N-LF-1/2-CRV	1/2" NPT	113 SCFM	531532	MS6-WB	532196
	MS6N-LF-1/2-CRM	1/2" NPT		531526	MS6-WB	532196
	MS9-LF-N3/4-C-U-V	3/4" NPT	300 SCFM	8221935	MS9-WP	552947
	MS9-LF-N1-C-U-V	1" NPT	336 SCFM	8221936	MS9-WP	552947
	MS4-LF-1/4-CRV	1/4" G	3200 l/min	529397	MS4-WB	532185
	MS4-LF-1/4-CRM	1/4" G		529395	MS4-WB	532185
	MS6-LF-1/2-CRV	1/2" G	3200 l/min	529609	MS6-WB	532196
	MS6-LF-1/2-CRM	1/2" G		529607	MS6-WB	532196
	MS9-LF-3/4-C-U-V	3/4" G	8500 l/min	8221937	MS9-WP	552947

(Note 1) MS9-WP - 2ea Required for mounting - reference page 7

Mist removal MS-LFM-B Series	Festo part # V=Auto drain M=Manual drain	Port size	Flow	Item #	Bracket # (Note 1)	Item # bracket
 1 Micron	MS4N-LFM-1/4-BUV	1/4" NPT	12.7 SCFM	535774	MS4-WB	532185
	MS4N-LFM-1/4-BRM	1/4" NPT		531810	MS4-WB	532185
	MS6N-LFM-1/2-BUV	1/2" NPT	34 SCFM	531873	MS6-WB	532196
	MS6N-LFM-1/2-BRM	1/2" NPT		531849	MS6-WB	532196
	MS9-LFM-N3/4-BUV	3/4" NPT	247 SCFM	553092	MS9-WP	552947
	MS9-LFM-N1-BUV	1" NPT		553022	MS9-WP	552947
	MS4-LFM-1/4-BUV	1/4" G	360 l/min	535766	MS4-WB	532185
	MS4-LFM-1/4-BRM	1/4" G		529461	MS4-WB	532185
	MS6-LFM-1/2-BRV	1/2" G	950 l/min	530506	MS6-WB	532196
	MS6-LFM-1/2-BRM	1/2" G		529659	MS6-WB	532196
	MS9-LFM-3/4-BUV	3/4" G	7000 l/min	553076	MS9-WP	552947
	MS9-LFM-1-BUV	1" G		553006	MS9-WP	552947

(Note 1) MS9-WP - 2ea Required for mounting - reference page 7

Replacement element	Part number	Description	Item #
	MS4-LFP-C	5 Micron	534501
	MS6-LFP-C		534499
	MS9-LFP-C		570309

Replacement element	Part number	Description	Item #
	MS4/D-MINI-LFM-B	1 Micron	162677
	MS6-LFM-B		532910
	MS9-LFM-B		553037

Micro mist and water removal components (left to right flow direction)

Micro mist removal MS-LF-A Series	Festo part # V=Auto drain M=Manual drain	Port size	Flow	Item #	Bracket # (Note 1)	Item # bracket
 .01 Micron	MS4N-LFM-1/4-AUV	1/4" NPT	13 SCFM	535776	MS4-WB	532185
	MS4N-LFM-1/4-ARM	1/4" NPT		531812	MS4-WB	532185
	MS6N-LFM-1/2-ARV	1/2" NPT	32 SCFM	531867	MS6-WB	532196
	MS6N-LFM-1/2-ARM	1/2" NPT		531861	MS6-WB	532196
	MS9-LFM-N3/4-AUV	3/4" NPT	230 SCFM	553088	MS9-WP	552947
	MS9-LFM-N1-AUV	1" NPT		553018	MS9-WP	552947
	MS4-LFM-1/4-AUV	1/4" G	360 l/min	535768	MS4-WB	532185
	MS4-LFM-1/4-ARM	1/4" G		529459	MS4-WB	532185
	MS6-LFM-1/2-AUV	1/2" G	900 l/min	529657	MS6-WB	532196
	MS6-LFM-1/2-ARM	1/2" G		529655	MS6-WB	532196
	MS9-LFM-3/4-AUV	3/4" G	6500 l/min	553072	MS9-WP	552947
	MS9-LFM-1-AUV	1" G		553002	MS9-WP	552947

(Note 1) MS9-WP - 2ea Required for mounting - reference page 7

Water separator MS-LWS Series	Festo part # V=Auto drain M=Manual drain	Port size	Flow	Item #	Bracket # (Note 1)	Item # bracket
 Metal Bowl	MS6N-LWS-1/4-U-V	1/4" NPT	85 SCFM	564871	MS6-WB	532196
	MS6N-LWS-3/8-U-V	3/8" NPT	124 SCFM	564872	MS6-WB	532196
	MS6N-LWS-1/2-U-V	1/2" NPT	134 SCFM	564873	MS6-WB	532196
	MS9-LWS-N3/4-U-V	3/4" NPT	424 SCFM	8221924	MS9-WP	552947
	MS9-LWS-N1-U-V	1" NPT	530 SCFM	8221925	MS9-WP	552947
	MS6-LWS-1/4-U-V	1/4" G	2400 l/min	564868	MS6-WB	532196
	MS6-LWS-3/8-U-V	3/8" G	3500 l/min	564869	MS6-WB	532196
	MS6-LWS-1/2-U-V	1/2" G	3800 l/min	564870	MS6-WB	532196
	MS9-LWS-3/4-U-V	3/4" G	12,000 l/min	8221926	MS9-WP	552947
	MS9-LWS-1-U-V	1" G	15,000 l/min	8221927	MS9-WP	552947

(Note 1) MS9-WP - 2ea Required for mounting - reference page 7

Replacement element	Part number	Description	Item #
	MS4/D-MINI-LFM-A	.01 Micron	162674
	MS6-LFM-A		532909
	MS9-LFM-A		553036

Right to left directions and many other options, refer to page 9

***Blue highlight = NPT/INCH**

Filters and mist removal components (left To right flow direction)

Filter/reg combo MS-LFR Series	Festo part # V=Auto drain M=Manual drain	Port size	Pressure range	Item #	Bracket # (Note 1)	Item # bracket
	MS4N-LFR-1/4-D6-CRM-AS	1/4" NPT	4.35 -101 PSI	531229	MS4-WB	532185
	MS4N-LFR-1/4-D6-CRV-AS	1/4" NPT		531233	MS4-WB	532185
	MS4N-LFR-1/4-D7-CRM-AS	1/4" NPT	7.25 -174 PSI	531213	MS4-WB	532185
	MS4N-LFR-1/4-D7-CRV-AS	1/4" NPT		531217	MS4-WB	532185
	MS6N-LFR-1/2-D6-CRM-AS	1/2" NPT	4.35 -101 PSI	531306	MS6-WB	532196
	MS6N-LFR-1/2-D6-CRV-AS	1/2" NPT		531312	MS6-WB	532196
	MS6N-LFR-1/2-D7-CRM-AS	1/2" NPT	7.25 -174 PSI	531282	MS6-WB	532196
	MS6N-LFR-1/2-D7-CRV-AS	1/2" NPT		531288	MS6-WB	532196
	MS9-LFR-N3/4-D7-C-U-V-AG-PSI-AS	3/4" NPT	7.25 -174 PSI	8221938	MS9-WP	552947
	MS9-LFR-N1-D7-C-U-V-AG-PSI-AS	1" NPT	7.25 -174 PSI	8221939	MS9-WP	552947
	MS4-LFR-1/4-D6-CRM-AS	1/4" G	.3 - 7 BAR	529144	MS4-WB	532185
	MS4-LFR-1/4-D6-CRV-AS	1/4" G		529146	MS4-WB	532185
	MS4-LFR-1/4-D7-CRM-AS	1/4" G	.5 - 12 BAR	529152	MS4-WB	532185
	MS4-LFR-1/4-D7-CRV-AS	1/4" G		529154	MS4-WB	532185
	MS6-LFR-1/2-D6-CRM-AS	1/2" G	.3 - 7 BAR	529176	MS6-WB	532196
	MS6-LFR-1/2-D6-CRV-AS	1/2" G		529178	MS6-WB	532196
	MS6-LFR-1/2-D7-CRM-AS	1/2" G	.5 - 12 BAR	529186	MS6-WB	532196
	MS6-LFR-1/2-D7-CRV-AS	1/2" G		529184	MS6-WB	532196
	MS9-LFR-3/4-D7-C-U-V-AG-BAR-AS	3/4" G	.5 - 12 BAR	8221940	MS9-WP	552947
5 Micron	MS9-LFR-1-D7-C-U-V-AG-BAR-AS	1" G	.5 - 12 BAR	8221941	MS9-WP	552947

(Note 1) MS9-WP - 2ea Required for mounting - reference page 7

Regulator MS-LR Series	Festo part #	Port size	Pressure range	Item #	Bracket # (Note 1)	Item # bracket
	MS4N-LR-1/4-D5-AS	1/4" NPT	4.35 -58 PSI	531418	MS4-WB	532185
	MS4N-LR-1/4-D6-AS	1/4" NPT	4.35 -101 PSI	531422	MS4-WB	532186
	MS4N-LR-1/4-D7-AS	1/4" NPT	7.25 -174 PSI	531426	MS4-WB	532185
	MS6N-LR-1/2-D5-AS	1/2" NPT	4.35 -58 PSI	531443	MS6-WB	532196
	MS6N-LR-1/2-D6-AS	1/2" NPT	4.35 -101 PSI	531449	MS6-WB	532197
	MS6N-LR-1/2-D7-AS	1/2" NPT	7.25 -174 PSI	531455	MS6-WB	532196
	MS9-LR-N3/4-D7-AG-PSI-AS	3/4" NPT	7.25 -174 PSI	8221942	MS9-WP	552947
	MS9-LR-N1-D7-AG-PSI-AS	1" NPT	7.25 -174 PSI	8221943	MS9-WP	552947
	MS4-LR-1/4-D5-AS	1/4" G	.3 - 4 BAR		MS4-WB	532185
	MS4-LR-1/4-D6-AS	1/4" G	.3 - 7 BAR		MS4-WB	532185
	MS4-LR-1/4-D7-AS	1/4" G	.5 - 12 BAR		MS4-WB	532185
	MS6-LR-1/2-D5-AS	1/2" G	.3 - 4 BAR		MS6-WB	532196
	MS6-LR-1/2-D6-AS	1/2" G	.3 - 7 BAR		MS6-WB	532196
High exhaust reverse flow STD	MS6-LR-1/2-D7-AS	1/2" G	.5 - 12 BAR		MS6-WB	532196

(Note 1) MS9-WP - 2ea Required for mounting - reference page 7

Replacement element	Part number	Description	Item #
	MS4-LFP-C	5 Micron	534501
	MS6-LFP-C		534499
	MS9-LFP-C		570309

Additional regulator components

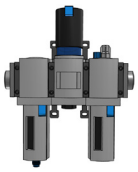
Additional regulators	Festo Part #	Port size	Adjustable pressure rating	Item #	Bracket #	Item # bracket
	LRP-1/8-6	1/8 G	1.45-87 psi	2416371	MS4-WR	526064
	LRP-1/4-0,7	1/4 G	.73-10 psi	159500		
	LRP-1/4-2,5	1/4 G	.73-36.25 psi	162834		
	LRP-1/4-4	1/4 G	.73-58 psi	159501		
LRP precision	LRP-1/4-10	1/4 G	1.45-145 psi	159502		
	MS2-LR-M5-D6-A8-B	M5	No Gauge	8086637	MS2-WR-B	8087978
	MS2-LR-M5-D6-AR-BAR-B	M5	14.5-145 psi	8086628		
	MS2-LR-QS6-D6-A8-B	6mm OD	No Gauge	8086640		
MS2 - compact size	MS2-LR-QS6-D6-AR-BAR-B	6mm OD	14.5-145 psi	8086638		

Additional regulators	Festo Part #	Port size	Adjustable pressure rating	Item #	Bracket #	Item # bracket
	VRPA-CM-Q6-E	6mm OD	14.5-116 psi	8086004	NA	NA
	VRPA-CM-Q4-E	5/32 OD	14.5-116 psi	8086003	NA	NA
	VRPA-CM-T14-E	1/4 OD	14.5-116 psi	8086006	NA	NA
	VRPA-CM-Q8-E	5/16 OD	14.5-116 psi	8086005	NA	NA
VPRA -Tube to Tube						
	VRPA-LM-N18-T14	1/8npt -1/4	14.5-116 psi	8086014	NA	NA
	VRPA-LM-N14-T14	1/4npt -1/4	14.5-116 psi	8086016	NA	NA
	VRPA-LM-R18-Q6	1/8R - 6mm	14.5-116 psi	8086010	NA	NA
VPRA -Thread to Tube	VRPA-LM-R14-Q6	1/4R - 6mm	14.5-116 psi	8086012	NA	NA

Right to left directions and many other options, refer to page 9

***Blue highlight = NPT/INCH**

Lubricators and FRL combo assy's (pre configured)

Lubricator	Festo part #	Port size	Flow	Item #	Bracket # (Note 1)	Item # bracket	Standard Configuration	Festo part #	Port size	Standard features	Item # bracket
	MS4N-LOE-1/4-R	1/4 NPT	77 SCFM	531702	MS4-WB	532185		MSB4-AQN:H4:N3:M1-WP	1/4 NPT	Manual Dump Valve w/Muffler	8221911
	MS6N-LOE-1/2-R	1/2 NPT	254 SCFM	531711	MS6-WB	532196		MSB4-AQP:H4:N3:M1-WP	3/8 NPT	Filter/Regulator with Gauge	8221912
	MS9-LOE-N3/4-U	3/4" NPT	Metal Bowl	8221931	MS9-WP	552947		MSB6-AQR:H4:N3:M1-WP	1/2 NPT	Auto Drain	8221914
	MS9-LOE-N1-U	1" NPT	Metal Bowl	8221932	MS9-WP	552947		MSB9-AQS:H6:N37:M2-WP	3/4 NPT	5 Micron Filter Locking Regulator Knob	8221921
								MSB9-AQT:H6:N37:M2-WP	1 NPT	Mounting Brackets	8221922
	MS4-LOE-1/4-R	1/4 G	2200 l/min	529411	MS4-WB	532185		MSB9-AQV:H6:N37:M2-WP	1 1/2 NPT	7.25 - 174 PSI Regulating Range	8221958
	MS6-LOE-1/2-R	1/2 G	7200 l/min	529775	MS6-WB	532196		MSB4-AGB:H4:N3:M1-WP	1/4 G		8221909
	MS9-LOE-3/4-U	3/4" G	Metal Bowl	8221933	MS9-WP	552947		MSB4-AGC:H4:N3:M1-WP	3/8 G		8221910
	MS9-LOE-1-U	1/2" G	Metal Bowl	8221934	MS9-WP	552947		MSB6-AGD:H4:N3:M1-WP	1/2 G		8221913
								MSB9-AGE:H6:N37:M2-WP	3/4 G		8221918
								MSB9-AGF:H6:N37:M2-WP	1 G		8221919
								MSB9-AGH:H6:N37:M2-WP	1 1/2 G		8221920

(Note 1) MS9-WP - 2ea required for mounting - reference page 7

Replacement element	Part number	Description	Item #
	OFSW-32	Replacement Oil	152811

Replacement element	Part number	Description	Item #
	MS4-LFP-C	5 Micron	534501
	MS6-LFP-C		534499
	MS9-LFP-C		570309

Safety valve controls for main air preperation (left to right flow): Manual dump valves

Manual on off valve locking capabilities	Festo part #	Port size	Exhaust port	Item #	Bracket # (Note 1)	Item # bracket	Manual lock out dump valves	Inch part #	Port size	CV	Item #	Bracket # (Note 1)	Item #
	HE-N3/8-LO	3/8" NPT	1" NPT	7.36	184 scfm	197129		MS4N-EM1-1/4-S	1/4" NPT	3.08	541281	MS4-WB	532185
	HE-N1/2-LO	1/2" NPT		8.76	219 scfm	197130		MS6N-EM1-1/2-S	1/2" NPT	12.28	541290	MS6-WB	532196
	HE-N3/4-LO	3/4" NPT		11.28	282 scfm	197131		MS9-EM-N3/4-S-VS	3/4" NPT	20.49	8221944	MS9-WP	552947
	HE-N1-LO	1" NPT		14.12	353 scfm	197132		MS9-EM-N1-S-VS	1" NPT	25.44	8221946	MS9-WP	552947
	HE-G3/8-LO	3/8" G	1" G	7.36	5200 Lmin	197133		MS4-EM1-1/4-S	1/4" G	3.08	541259	MS4-WB	532185
	HE-G1/2-LO	1/2" G		8.76	6200 Lmin	197134		MS6-EM1-1/2-S	1/2" G	12.28	541268	MS6-WB	532196
	HE-G3/4-LO	3/4" G		11.28	8000 Lmin	197135		MS9-EM-3/4-S-VS	3/4" G	20.49	589650	MS9-WP	552947
ISO 1179-1 and ISO 228-1	HE-G1-LO	1" G		14.12	10000 Lmin	197136	Black Knob						
								MS9-EM-N3/4-R-S-VS	3/4" NPT	20.48	8221945	MS9-WP	552947
								MS9-EM-N1-R-S-VS	1" NPT	25.44	8221947	MS9-WP	552947
								MS4-EM1-1/4-R-S	1/4" G	3.08	612054	MS4-WB	532185
								MS6-EM1-1/2-R-S	1/2" G	12.28	612056	MS6-WB	532196
								MS9-EM-3/4-R-S-VS	3/4" G	20.48	8221948	MS9-WP	552947
							Red Knob	MS9-EM-1-R-S-VS	1" G	25.44	8221949	MS9-WP	552947

For systems that require pneumatic shut-off, e.g. for maintenance or repair work

(Note 1) MS9-WP - 2ea required formMounting - reference page 7

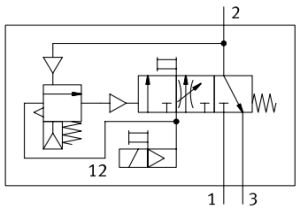
Right to left directions and many other options, refer to page 9

***Blue highlight = NPT/INCH**

Solenoid soft start safety dump valves - Conforms to - EN ISO 13849-1 and EN ISO 13849-2

Datasheet MS6-SV-C Cat 1

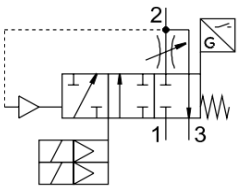
MS6-SV-...-10V24, 10V24F, 10V24P



Electropneumatic soft-start/quick exhaust valve for gradual pressurisation and quick exhaust of system components (single channel)

Datasheet MS6-SV-D Cat 3

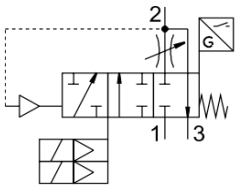
Function



MS6-SV-D has two safety functions
1- Safe Exhausting
2- Protection against unexpected start up
3- Dual valves/sensors for redundancy

Datasheet MS6-SV-E Cat 4

Function



MS6-SV-E is a self-testing, redundant mechatronic system conforming to the requirements of EN ISO 13849-1 2-channel design and its monitoring enables the device to meet controller category 3 and 4 requirements.

Electric soft start valves	Festo part #	Category level	Port size	Item #	Added features	Flow P-A (1-2)	Flow A-R (2-3)	CV (P-A)	Bracket # (Note 1)	Item # bracket
 MS6/9-SV-C	**Conforms to - EN ISO 13849-1 and EN ISO 13849-2**									
	MS6N-SV-1/2-C-10V24-S-AG	1	1/2" NPT	8221915	Form C Valve Connection, Built in Gauge, Muffler Included	201 scfm	269 scfm	8.06	MS6-WB	532196
	MS9-SV-N3/4-C-10V24P-S-AG-PSI	1	3/4" NPT	8221954	M12 Valve connection with built in Gauge. Muffler Included	512 SCFM	758 SCFM	20	MS9-WP	552947
	MS9-SV-N1-C-10V24P-S-AG-PSI	1	1" NPT	8221955	M12 Valve connection with built in Gauge. Muffler Included	582 SCFM	737 SCFM	23.27	MS9-WP	552947
	MS6-SV-1/2-C-10V24-S	1	1/2"G	8001469	Form C Valve Connection, Muffler Included, No Gauge	5,700 l/min	7,600 l/min	8.06	MS6-WB	532196
	MS9-SV-3/4-C-10V24P-S-AG-PSI	1	3/4" G	8221956	M12 Valve connection with built in Gauge. Muffler Included	14,150 l/min	21,450 l/min	20	MS9-WP	552947
	MS9-SV-1-C-10V24P-S-AG-PSI	1	1" G	8221957	M12 Valve connection with built in Gauge. Muffler Included	16,460 l/min	20,870 l/min	23.27	MS9-WP	552947
 MS6-SV-D	MS6-SV-1/2-D-10V24-2M8-SO-AG	3	1/2"G	8038490	Form C Dual valve connection with M8 sensor input and built in Gauge/Muffler	4,300 l/min	9,000 l/min	6.07	MS6-WB	532196
	MS6-SV-1/2-D-10V24P-2M12-SO-AG	3	1/2"G	8038491	M12 Dual valve connection with M12 sensor input / built in Gauge / Muffler	4,300 l/min	9,000 l/min		MS6-WB	532196
 MS6-SV-E	MS6N-SV-1/2-E-10V24-SO-AG	4	1/2" NPT	8221917	DB9 Main connection, 24VDC, Soft Start Operation, Built in Gauge Muffler Included	4,300 l/min	9,000 l/min	6.07	MS6-WB	532196
	MS6-SV-1/2-E-10V24-AG	4	1/2"G	548715	DB9 Main connection with Built in Gauge	4,300 l/min	9,000 l/min		MS6-WB	532196
	MS6-SV-1/2-E-10V24-SO-AG	4	1/2"G	548717	DB9 Main connection with built in Gauge and Muffler included	4,300 l/min	9,000 l/min		MS6-WB	532196

(Note 1) MS9-WP - 2ea required for mounting - reference page 7

Solenoid soft start safety dump valves (built in pressure switch)

Electric soft start valves	Festo part #	Category level	Port size	Item #	Added features	Flow P-A (1-2)	Flow A-R (2-3)	CV (P-A)	Bracket # (Note 1)	Item # bracket
	**Conforms to - EN ISO 13849-1 and EN ISO 13849-2**									
	MS6-SV-1/2-C-10V24P-S-AD12	1	1/2" G	612053	M12 Valve connection, 24vdc, Built in Pressure switch	201 SCFM	269 SCFM	8.06	MS6-WB	532196
	MS6-SV-1/2-D-10V24P-2M8-SO-AD12	3	1/2" G	612058	M12 Valve connection, 24vdc, Built in Pressure switch, M8 Feedback sensors	152 SCFM	318 SCFM	6.08		
Muffler Included	MS6-SV-1/2-E-10V24-SO-AD12	4	1/2" G	612059	DB 9 main Connection 24vdc, Built in Pressure switch	152 SCFM	318 SCFM	6.08		

Standard electric dump valves

Electric on/off valves	Festo part #	Din form	Port size	Item #	Volt-age	Standard features	CV	Flow P A SCFM	Flow A R SCFM	Bracket # (Note 1)	Item # bracket
	MS4N-EE-1/4-10V24-S	C	1/4 NPT	542608	24 VDC	Built in PSI gauge, 1/4 NPT Exhaust Port	2.82	70.6	56.5	MS4-WB	532185
	MS6N-EE-1/2-10V24-S	C	1/2 NPT	542612		Built in PSI gauge, 1/2 NPT Exhaust Port	9.88	247.1	194.2	MS6-WB	532196
	MS9-EE-N3/4-V24-S-AG-PSI	A	3/4 NPT	8221950		Built in PSI gauge, 1 NPT Exhaust Port	18.09	512	526	MS9-WP	552947
	MS9-EE-N1-V24-S-AG-PSI	A	1 NPT	8221951		Built in PSI gauge, 1 NPT Exhaust Port	25.44	636	498	MS9-WP	552947
	MS4-EE-1/4-10V24-S	C	1/4 G	542598		Built in PSI gauge, 1/4 NPT Exhaust Port	2.82	2000	1600	MS4-WB	532185
	MS6-EE-1/2-10V24-S	C	1/2 G	542602		Built in PSI gauge, 1/2 NPT Exhaust Port	9.88	7000	5500	MS6-WB	532196
	MS9-EE-3/4-V24-S-AG-PSI	A	3/4 G	8221952		Built in PSI gauge, 1 NPT Exhaust Port	18.09	14500	14900	MS9-WP	552947
Muffler Included	MS9-EE-1-V24-S-AG-PSI	A	1 G	8221953		Built in PSI gauge, 1 NPT Exhaust Port	25.44	18000	14100	MS9-WP	552947

(Note 1) MS9-WP - 2ea required for mounting - reference page 7

Right to left directions and many other options, refer to page 9

***Blue highlight = NPT/INCH**

Accessories for air preperation and valve controls

End port adaptors (includes 2 plates) per assembly	Festo part #	Port size	Series	Item #	End port adaptors (includes 2 plates) per assembly	Festo part #	Port size	Series	Item #
	MS4N-AQK	1/8 NPT	MS4 (N)	526065		MS4-AGA	1/8 G	MS4	526068
	MS4N-AQN	1/4 NPT		526066		MS4-AGB	1/4 G		526069
	MS4N-AQP	3/8 NPT		526067		MS4-AGC	3/8 G		526070
	MS6N-AQP	3/8 NPT	MS6 (N)	526077		MS6-AGC	3/8 G	MS6	526081
	MS6N-AQR	1/2 NPT		526078		MS6-AGD	1/2 G		526082
	MS6N-AQS	3/4 NPT		526079		MS6-AGE	3/4 G		526083
	MS9-AQS	3/4 NPT	MS9	552960		MS9-AGE	3/4 G	MS9	552955
	MS9-AQT	1 NPT		552961		MS9-AGF	1 G		552956
	MS9-AQU	1 1/4 NPT		552962		MS9-AGG	1 1/4 G		552957
O-rings included	MS9-AQV	1 1/2 NPT		552963	O-rings included	MS9-AGH	1 1/2 G		552958

(Note 1) MS9-WP - 2ea required for mounting - reference page 7

Modular connectors (coupling purpose)	Festo part #	Description		Item #	End port adaptors (includes 2 plates) per assembly	Festo part #		Port size	Item #	Bracket (Note 1)	Item #
	MS4-MV1	MS4(N) Coupling	No bracket	8119201		MS4N-FRM-1/4	No Gauge	1/4" NPT	531949	MS4-WB	532185
	MS6-MV1	MS6(N) Coupling		8119204		MS4N-FRM-1/4-AG	Gauge	1/4" NPT	8221908	MS4-WB	532185
	MS9-MV	MS9 Coupling		552950		MS6N-FRM-1/2	No Gauge	1/2" NPT	531966	MS6-WB	532196
						MS6N-FRM-1/2-AG	Gauge	1/2" NPT	8221906	MS6-WB	532196
	MS4-WP	MS4(N) Coupling	With bracket	532184		MS9-FRM-N3/4-AG-PSI	Gauge	3/4" NPT	8221928	MS9-WP	552947
	MS6-WP	MS6(N) Coupling		532195		MS9-FRM-N1-VS-AG-PSI	Gauge	1" NPT	8221963	MS9-WP	552947
	MS9-WP	MS9 Coupling		552947	No Gauge	MS4-FRM-1/4	No Gauge	1/4" G	529555	MS4-WB	532185
						MS4-FRM-1/4-AG-PSI	Gauge	1/4" G	8221907	MS4-WB	532185
O-rings Included						MS6-FRM-1/2	No Gauge	1/2" G	529853	MS6-WB	532196
	MS4-6-AMV	MS4(N)-MS6(N)	No bracket	543489		MS6-FRM-1/2-AG-PSI	Gauge	1/2" G	8221905	MS6-WB	532196
	MS6-9-AMV	MS6(N)-MS9		3426895		MS9-FRM-3/4-AG-PSI	Gauge	3/4" G	8221929	MS9-WP	552947
Mixed sized connector					Built in Gauge	MS9-FRM-1-AG-PSI	Gauge	1" G	8221930	MS9-WP	552947

(Note 1) MS9-WP - 2ea required for mounting - reference page 7

Additional accessories

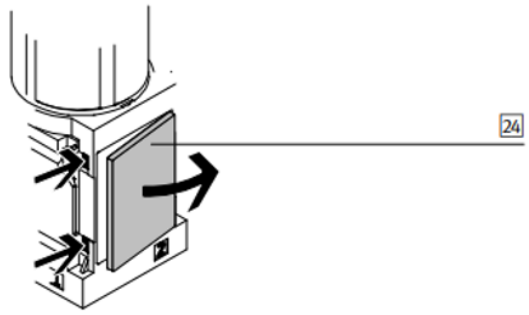
Electrical accessories	Festo part #	Additional information	Item #	Add on accessories	Festo part #	Additional information	Item #
	MSSD-EB	Form C din connector	151687		LRVS-D	Lock	193786
	KMEB-1-24-5-LED	Form C din connector 5m cable	151689		AD-G1/8-1/8NPT-I	1/8G Male to 1/8NPT female thread	9395
	MEB-LD-12-24DC	Illuminating seal DC voltage	151717		AD-G1/4-1/4NPT-I	1/4G Male to 1/4NPT female thread	9396
	MEB-LD-230AC	Illuminating seal AC voltage	151718		AD-G3/8-3/8NPT-I	3/8G Male to 8/8NPT female thread	9397
	MSSD-C	Form A din conector	34583		AD-G1/2-1/2NPT-I	1/2G Male to 1/2NPT female thread	9398
	KMC-1-24DC-5-LED	Form A din connector 5m cable	30933		AD-G3/4-3/4NPT-I	3/4G Male to 3/4NPT female thread	546550
	MC-LD-12-24DC	Illuminating seal DC voltage	19145		AD-1/8NPT-G1/8-I	1/8G Female to 1/8NPT male thread	9624
	MC-LD-230AC	Illuminating seal AC voltage	19146		AD-1/4NPT-G1/4-I	1/4G Female to 1/4NPT male thread	9625
	NEBA-M12G5-U-5-N-LE4	M12 socket straight cable 5 meters	8078240		AD-3/8NPT-G3/8-I	3/8G Female to 3/8NPT male thread	9626
	NEBA-M12W5-U-5-N-LE4	M12 socket elbow cable 5 meters	8078249		AD-1/2NPT-G1/2-I	1/2G Female to 1/2NPT male thread	9627
	NEBA-M8G3-U-5-N-LE3	M8 socket straight cable 5 meters	8078224		AD-3/4 NPT-G3/4-I	3/4G Female to 3/4NPT male thread	546551

Right to left directions and many other options, refer to page 9

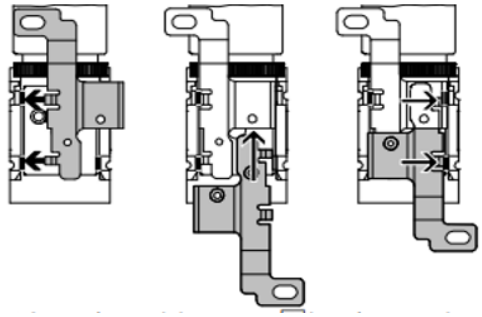
***Blue highlight = NPT/INCH**

Assembly procedures for MS4-WB and MS6-WB

1. Remove the rear cover plate [24] (levering out the snap hooks with a screwdriver)

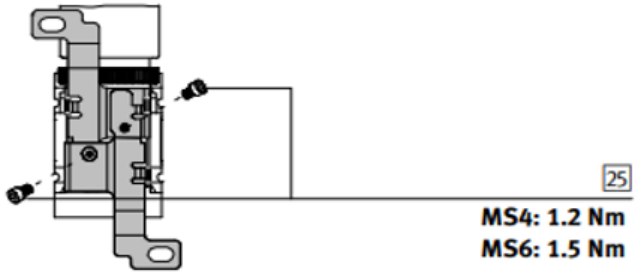


2. Mount the mounting bracket on the service unit as follows.

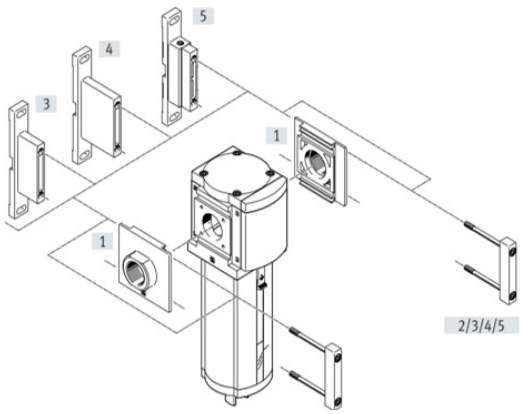


3. Screw the retaining screws [25] into the mounting bracket.

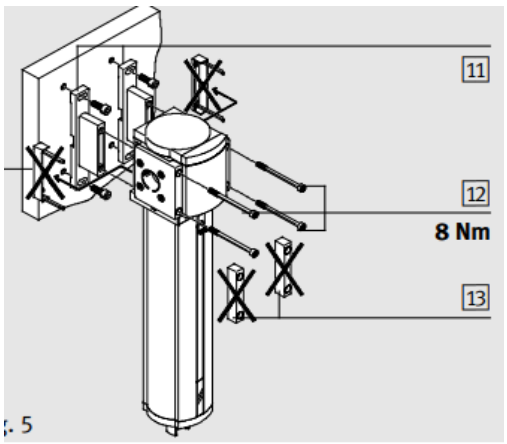
4. Mount the mounting bracket [26] or [27] in the intended position with two screws.



Assembly Procedure for: MS4-WP, MS4-WPE-B, MS6-WP, MS6-WPB



Assembly Procedure for: MS9-WP



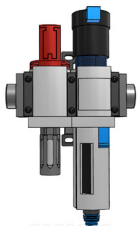
Right to left directions and many other options, refer to page 9

*Blue highlight = NPT/INCH

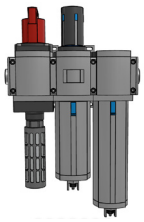
Section 2 - Pre-configured air prep assemblies (left to right direction)

*Assemblies Below are configuration packages of our standard components to provide Quick "Out of the Box" solutions

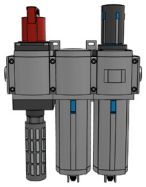
Lock out dump valve - filter/regulator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB4-AQN:C7:J4-WP	1/4 NPT	Manual Dump Valve w/Muffler	531029
	MSB4-AQP:C7:J4-WP	3/8 NPT	Filter/Regulator with Gauge	531029
	MSB6-AQR:C7:J4-WP	1/2 NPT	Auto Drain	531030
	MSB9-AQS:C7:J72-WP	3/4 NPT	5 Micron Filter	552938
	MSB9-AQT:C7:J72-WP	1 NPT	Locking Regulator Knob	552938
	MSB9-AQV:C7:J72-WP	1 1/2 NPT	Mounting Bracket	552938
	MSB4-AGB:C7:J4-WP	1/4 G	7.25 - 174 PSI Regulating Range	531029
	MSB4-AGC:C7:J4-WP	3/8 G		531029
	MSB6-AGD:C7:J4-WP	1/2 G		531030
	MSB9-AGE:C7:J72-WP	3/4 G		552938
	MSB9-AGF:C7:J72-WP	1 G		552938
	MSB9-AGH:C7:J72-WP	1 1/2 G		552938

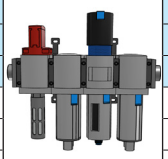
Lock out dump valve - filter/reg - mist seperator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB4-AQN:C7:J4:I7-WP	1/4 NPT	Manual Dump Valve w/Muffler	531029
	MSB4-AQP:C7:J4:I7-WP	3/8 NPT	Filter/Regulator with Gauge	531029
	MSB6-AQR:C7:J4:I7-WP	1/2 NPT	Auto Drain 5 Micron Filter 1 Micron Oil Removal	531030
	MSB9-AQS:C7:J72:I7-WP	3/4 NPT		552938
	MSB9-AQT:C7:J72:I7-WP	1 NPT	Metal Bowl Locking Regulator Knob	552938
	MSB9-AQV:C7:J72:I7-WP	1 1/2 NPT		552938
	MSB4-AGB:C7:J4:I7-WP	1/4 G	Mounting Brackets	531029
	MSB4-AGC:C7:J4:I7-WP	3/8 G	7.25 - 174 PSI Regulating Range	531029
	MSB6-AGD:C7:J4:I7-WP	1/2 G		531030
	MSB9-AGE:C7:J72:I7-WP	3/4 G		552938
	MSB9-AGF:C7:J72:I7-WP	1 G		552938
	MSB9-AGH:C7:J72:I7-WP	1 1/2 G		552938

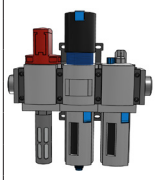
Lock out dump valve - water separator - Filter/Reg

Standard configuration	Part #	Port size	Standard features	Item #
	MSB6-AQP:C7:W1:J4-WP	3/8 NPT	Manual Dump Valve w/ Muffler	531030
	MSB6-AQR:C7:W1:J4-WP	1/2 NPT		531030
	MSB9-AQS:C7:W1:J72-WP	3/4 NPT	Filter/Reg-ulator with Gauge	552938
	MSB9-AQT:C7:W1:J72-WP	1 NPT	Auto Drain	552938
	MSB9-AQV:C7:W1:J72-WP	1 1/2 NPT	5 Micron Filter	552938
	MSB6-AGC:C7:W1:J4-WP	3/8 G	Water Separator	531030
	MSB6-AGD:C7:W1:J4-WP	1/2 G	Locking Regulator Knob	531030
	MSB9-AGE:C7:W1:J72-WP	3/4 G	Mounting Brackets	552938
	MSB9-AGF:C7:W1:J72-WP	1 G	7.25 - 174 PSI Regulating Range	552938
	MSB9-AGH:C7:W1:J72-WP	1 1/2 G		552938

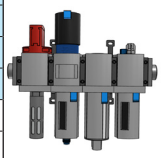
Lock out dump valve - water separator-filter/reg - mist seperator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB6-AQP:C7:W1:J4:I7-WP	3/8 NPT	Manual Dump Valve w/Muffler	531030
	MSB6-AQR:C7:W1:J4:I7-WP	1/2 NPT	Filter/Regulator with Gauge	531030
	MSB9-AQS:C7:W1:J72:I7-WP	3/4 NPT	Auto Drain 5 Micron Filter Water Separator 1 Micron oil Removal	552938
	MSB9-AQT:C7:W1:J72:I7-WP	1 NPT		552938
	MSB9-AQV:C7:W1:J72:I7-WP	1 1/2 NPT		552938
	MSB6-AGC:C7:W1:J4:I7-WP	3/8 G	Locking Regulator Knob	531030
	MSB6-AGD:C7:W1:J4:I7-WP	1/2 G	Mounting Brackets	531030
	MSB9-AGE:C7:W1:J72:I7-WP	3/4 G	7.25 - 174 PSI Regulating Range	552938
	MSB9-AGF:C7:W1:J72:I7-WP	1 G		552938
	MSB9-AGH:C7:W1:J72:I7-WP	1 1/2 G		552938

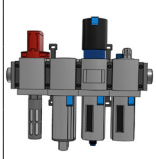
Lock out dump valve - filter/reg - lubricator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB4-AQN:C7:J4:M1-WP	1/4 NPT	ManFilter/Reg-ulator with Gauge	531029
	MSB4-AQP:C7:J4:M1-WP	3/8 NPT		531029
	MSB6-AQR:C7:J4:M1-WP	1/2 NPT	Auto Drain	531030
	MSB9-AQS:C7:J72:M2-WP	3/4 NPT	5 Micron Filter	552938
	MSB9-AQT:C7:J72:M2-WP	1 NPT	Lubricator	552938
	MSB9-AQV:C7:J72:M2-WP	1 1/2 NPT	Locking Regulator Knob	552938
	MSB4-AGB:C7:J4:M1-WP	1/4 G	Mounting Brackets	531029
	MSB4-AGC:C7:J4:M1-WP	3/8 G	7.25 - 174 PSI Regulating Range	531029
	MSB6-AGD:C7:J4:M1-WP	1/2 G		531030
	MSB9-AGE:C7:J72:M2-WP	3/4 G		552938
	MSB9-AGF:C7:J72:M2-WP	1 G		552938
	MSB9-AGH:C7:J72:M2-WP	1 1/2 G		552938

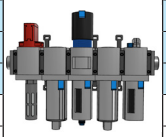
Lock out dump valve - filter/reg - mist separator - lubricator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB4-AQN:C7:J4:I7:M1-WP	1/4 NPT	Filter/Regulator with Gauge	531029
	MSB4-AQP:C7:J4:I7:M1-WP	3/8 NPT	Auto Drain 5 Micron Filter Lubricator 1 Micron Oil Removal	531029
	MSB6-AQR:C7:J4:I7:M1-WP	1/2 NPT		531030
	MSB9-AQS:C7:J72:I7:M2-WP	3/4 NPT		552938
	MSB9-AQT:C7:J72:I7:M2-WP	1 NPT	Locking Regulator Knob	552938
	MSB9-AQV:C7:J72:I7:M2-WP	1 1/2 NPT	Mounting Brackets	552938
	MSB4-AGB:C7:J4:I7:M1-WP	1/4 G	7.25 - 174 PSI Regulating Range	531029
	MSB4-AGC:C7:J4:I7:M1-WP	3/8 G		531029
	MSB6-AGD:C7:J4:I7:M1-WP	1/2 G		531030
	MSB9-AGE:C7:J72:I7:M2-WP	3/4 G		552938
	MSB9-AGF:C7:J72:I7:M2-WP	1 G		552938
	MSB9-AGH:C7:J72:I7:M2-WP	1 1/2 G		552938

Lock out dump valve - water separator - filter/reg - lubricator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB6-AQP:C7:W1:J4:M1-WP	3/8 NPT	Filter/Reg-ulator with Gauge	531030
	MSB6-AQR:C7:W1:J4:M1-WP	1/2 NPT	Auto Drain	531030
	MSB9-AQS:C7:W1:J72:M2-WP	3/4 NPT	5 Micron Filter	552938
	MSB9-AQT:C7:W1:J72:M2-WP	1 NPT	Water Separator	552938
	MSB9-AQV:C7:W1:J72:M2-WP	1 1/2 NPT	Lubricator	552938
	MSB6-AGC:C7:W1:J4:M1-WP	3/8 G	Locking Regulator Knob	531030
	MSB6-AGD:C7:W1:J4:M1-WP	1/2 G		531030
	MSB9-AGE:C7:W1:J72:M2-WP	3/4 G	Mounting Brackets	552938
	MSB9-AGF:C7:W1:J72:M2-WP	1 G	7.25 - 174 PSI Regulating Range	552938
	MSB9-AGH:C7:W1:J72:M2-WP	1 1/2 G		552938

Lock out - water separator - filter/reg - mist separator - lubricator

Standard configuration	Part #	Port size	Standard features	Item #
	MSB6-AQP:C7:W1:J4:I7:M1-WP	3/8 NPT	Filter/Regulator with Gauge	531030
	MSB6-AQR:C7:W1:J4:I7:M1-WP	1/2 NPT	Auto Drain	531030
	MSB9-AQS:C7:W1:J72:I7:M2-WP	3/4 NPT	5 Micron Filter	552938
	MSB9-AQT:C7:W1:J72:I7:M2-WP	1 NPT	Lubricator	552938
	MSB9-AQV:C7:W1:J72:I7:M2-WP	1 1/2 NPT	1 Micron Oil Removal	552938
	MSB6-AGC:C7:W1:J4:I7:M1-WP	3/8 G	Water Separator	531030
	MSB6-AGD:C7:W1:J4:I7:M1-WP	1/2 G	Locking Regulator Knob	531030
	MSB9-AGE:C7:W1:J72:I7:M2-WP	3/4 G	Mounting Brackets	552938
	MSB9-AGF:C7:W1:J72:I7:M2-WP	1 G	7.25 - 174 PSI Regulating Range	552938
	MSB9-AGH:C7:W1:J72:I7:M2-WP	1 1/2 G		552938

Right to left directions and many other options, refer to page 9

***Blue highlight = NPT/INCH**

Section 3 - Configure To Your Design

* Below items are items that you can configure by using the Festo "Item Configuration Number" online

Lock out dump valve - filter/regulator				Lock out dump valve - filter/reg - mist seperator			
Configurator	**Festo series #**	**Item config#**	**Description**	**Configurator**	**Festo series #**	**Item config#**	**Description**
Combination				Air water separator			
	MSB4N	532306	NPT Combination 3/8" port max		MS6N-LWS	564898	NPT Water Separator 3/4" port max
	MSB6N	532307	NPT Combination 3/4" port max		MS9-LWS	567857	NPT/Metric Water Separator 1 1/2" port max
	MSB9	552938	NPT/Metric Combination 1 1/2" port max				
	MSB4	531029	Metric Combination 3/8" port max		MS6-LWS	564858	Metric Water Separator 3/4" port max
	MSB6	531030	Metric Combination 3/4" port max				
Air filter				Air lubricator			
	MS4N-LF	527696	NPT Filter 3/8" port max		MS4N-LOE	527702	NPT Lubricator 3/8" port max
	MS6N-LF	527669	NPT Filter 3/4" port max		MS6N-LOE	527675	NPT Lubricator 3/4" port max
	MS9-LF	562532	NPT/Metric Filter 1 1/2" port max		MS9-LOE	562533	NPT/Metric Lubricator 1 1/2" port max
	MS4-LF	527695	Metric Filter 3/8" port max		MS4-LOE	527701	Metric Lubricator 3/8" port max
	MS6-LF	527668	Metric Filter 3/4" port max		MS6-LOE	527674	Metric Lubricator 3/4" port max
Mist removal filter				Manual dump valve			
	MS4N-LFM	527698	NPT Mist Removal 3/8" port max		MS4N-EM1	541288	NPT Locking Valve 3/8" port max
	MS6N-LFM	527671	NPT Mist Removal 3/4" port max		MS6N-EM1	541301	NPT Locking Valve 3/4" port max
	MS9-LFM	552940	NPT/Metric Mist Removal 1 1/2" port max		MS9-EM	562178	NPT/Metric Locking Valve 1 1/2" port max
	MS4-LFM	527697	Metric Removal 3/8" port max		MS4-EM1	541266	Metric Locking Valve 3/8" max port
	MS6-LFM	527670	Metric Removal 3/4" port max		MS6-EM1	541279	Metric Locking Valve 1 1/2" port max
Air filter/regulator				Electric dump valve safety			
	MS4N-LFR	527694	NPT Filter/Regulator 3/8" port max		MS6N-SV	548714	NPT Safety Dump Valve 3/4" port max
	MS6N-LFR	527667	NPT Filter/Regulator 3/4" port max		MS9-SV	562176	NPT/Metric Safety Dump Valve 1 1/2 port max
	MS9-LFR	562531	NPT/Metric Filter Regulator 1 1/2" port max				
	MS4-LFR	526489	Metric Filter/Regulator 3/8" port max		MS6-SV	548713	Metric Safety Dump Valve 3/4 port max
	MS6-LFR	526490	Metric Filter/Regulator 3/4" port max				
Regulator				Electric dump valve			
	MS4N-LR	527691	NPT Regulator 3/8" port max		MS4N-EE	527710	NPT Electric Dump Valve 3/8" port max
	MS6N-LR	527664	NPT Regulator 3/4" port max		MS6N-EE	527683	NPT Electric Dump Valve 3/4" port max
	MS9-LR	562530	NPT/Metric Regulator 1 1/2" port max		MS9-EE	562177	NPT/Metric Electric Dump Valve 1 1/2" port max
	MS4-LFR	526489	Metric Regulator 3/8" port max		MS4-EE	527709	Metric Electric Dump Valve 3/8" max port
	MS6-LFR	526490	Metric Regulator 3/4" port max		MS6-EE	527682	Metric Electric Dump Valve 1 1/2" port max

Tailor-made solutions – product range overview



From individual devices ...

Variety of individual devices as:
standard components
directly from the Festo catalog
or
individually selected
using our free configurator.



... to pre-assembled standard combinations ...

One package unit, one delivery, one price. Quick delivery: the most popular combinations are available directly from stock.



... and from individually configurable combinations ...

Tailored precisely to your needs: the service unit combinations MSB4 and MSB6. Optionally available with safety functions and integrated sensors. Supplied fully assembled and tested.

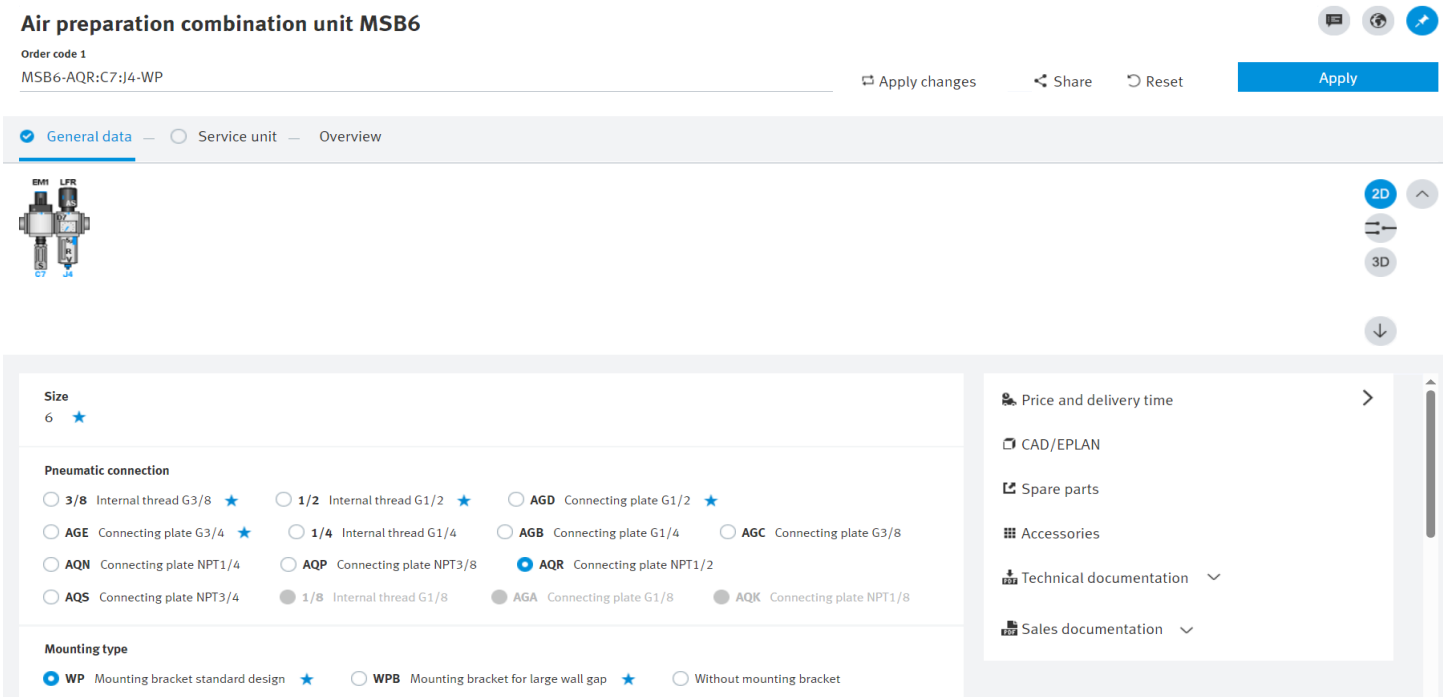


... to ready-to-install complete solutions.

Fully assembled and tested complete solutions with Festo plug and work.

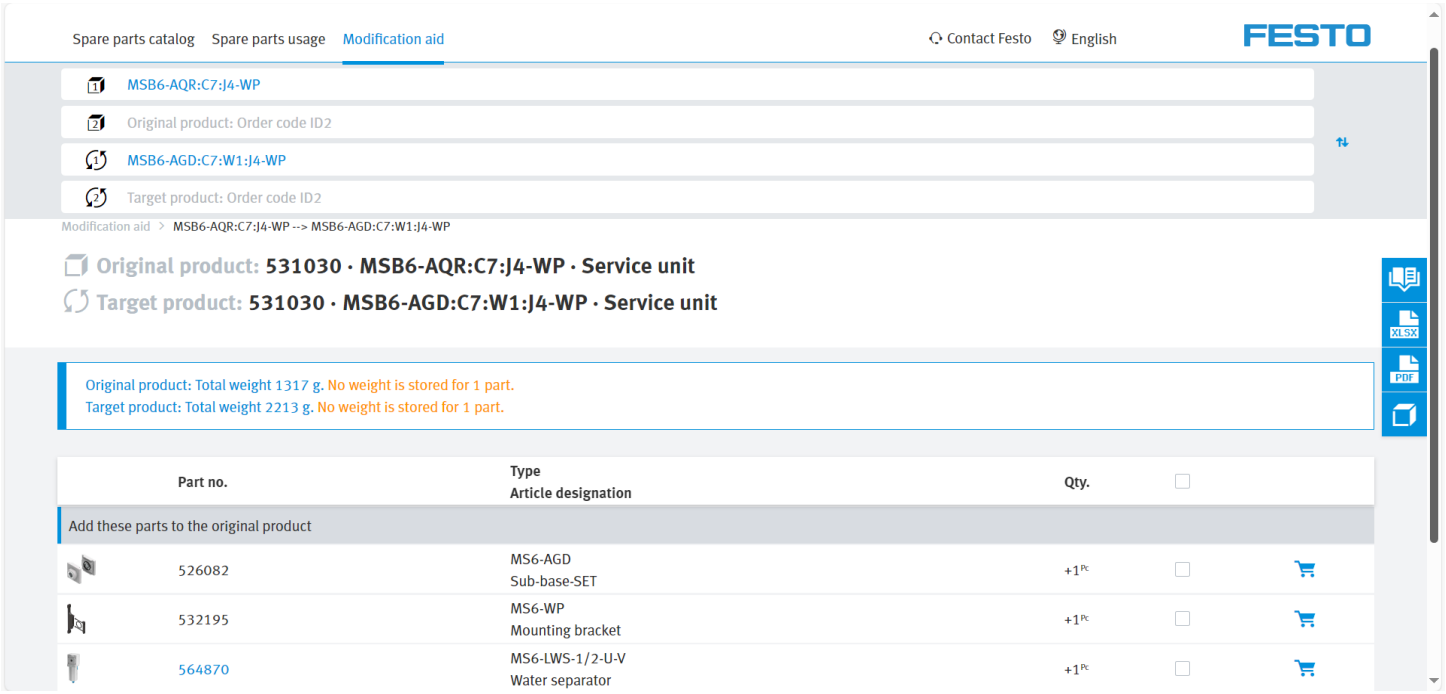
Online configurator

Air preparation combination unit MSB6 | Festo USA



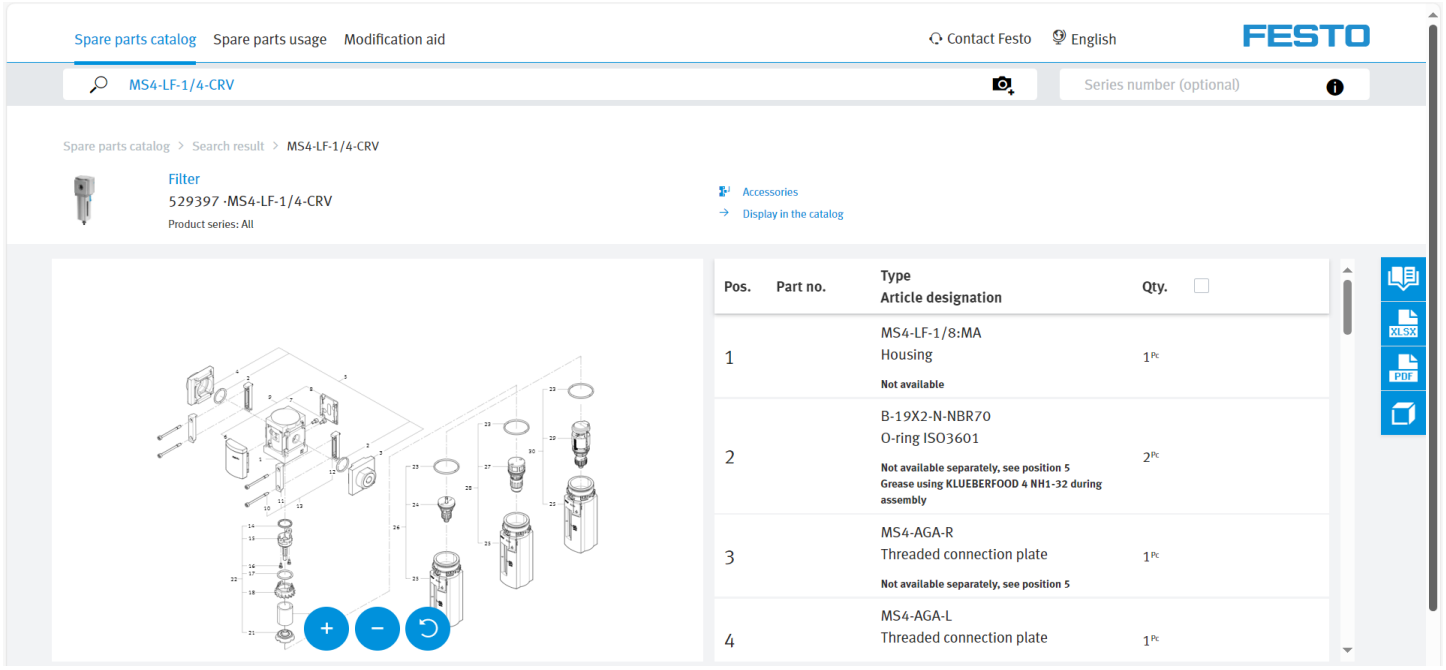
Additonal tools (modification aid)

Order Festo spare parts in the spare parts catalog



Additonal tools (spare parts and repair parts)

Order Festo spare parts in the spare parts catalog



Your Partner in Automation











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