Air prep

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*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	Mi item #	Festo bracket # (Note 1)	Mi Item # bracket
 5 Micron	MS4N-LF-1/4-CRV	1/4" NPT	46 SCFM	11508023	MS4-WB	08367595
	MS4N-LF-1/4-CRM	1/4" NPT		11508021	MS4-WB	08367595
	MS6N-LF-1/2-CRV	1/2" NPT	113 SCFM	11508031	MS6-WB	03078169
	MS6N-LF-1/2-CRM	1/2" NPT		11508028	MS6-WB	03078169
	MS9-LF-N3/4-C-U-V	3/4" NPT	300 SCFM	15420100	MS9-WP	07773863
	MS9-LF-N1-C-U-V	1" NPT	336 SCFM	15420099	MS9-WP	07773863
	MS4-LF-1/4-CRV	1/4" G	3200 l/min	11507809	MS4-WB	08367595
	MS4-LF-1/4-CRM	1/4" G		07438375	MS4-WB	08367595
	MS6-LF-1/2-CRV	1/2" G	3200 l/min	05638216	MS6-WB	03078169
	MS6-LF-1/2-CRM	1/2" G		07583085	MS6-WB	03078169
	MS9-LF-3/4-C-U-V	3/4" G	8500 l/min	15420098	MS9-WP	07773863

(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	Mi item #	Festo bracket # (Note 1)	Mi Item # bracket
 1 Micron	MS4N-LFM-1/4-BUV	1/4" NPT	12.7 SCFM	11508793	MS4-WB	08367595
	MS4N-LFM-1/4-BRM	1/4" NPT		11508077	MS4-WB	08367595
	MS6N-LFM-1/2-BUV	1/2" NPT	34 SCFM	11508101	MS6-WB	03078169
	MS6N-LFM-1/2-BRM	1/2" NPT		11508087	MS6-WB	03078169
	MS9-LFM-N3/4-BUV	3/4" NPT	247 SCFM	11511747	MS9-WP	07773863
	MS9-LFM-N1-BUV	1" NPT		11511714	MS9-WP	07773863
	MS4-LFM-1/4-BUV	1/4" G	360 l/min	11508792	MS4-WB	08367595
	MS4-LFM-1/4-BRM	1/4" G		11508077	MS4-WB	08367595
	MS6-LFM-1/2-BRV	1/2" G	950 l/min	07535916	MS6-WB	03078169
	MS6-LFM-1/2-BRM	1/2" G		11508087	MS6-WB	03078169
	MS9-LFM-3/4-BUV	3/4" G	7000 l/min	11511739	MS9-WP	07773863
	MS9-LFM-1-BUV	1" G		09179076	MS9-WP	07773863

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

Replacement element	Part number	Description	Mi item #
	MS4-LFP-C	5 Micron	07450520
	MS6-LFP-C		05120047
	MS9-LFP-C		07633124

Replacement element	Part number	Description	Mi item #
	MS4/D-MINI-LFM-B	1 Micron	03827543
	MS6-LFM-B		06939432
	MS9-LFM-B		07289396

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	Mi item #	Festo bracket # Note 1)	Mi item # bracket
 .01 Micron	MS4N-LFM-1/4-AUV	1/4" NPT	13 SCFM	11508794	MS4-WB	08367595
	MS4N-LFM-1/4-ARM	1/4" NPT		11508078	MS4-WB	08367595
	MS6N-LFM-1/2-ARV	1/2" NPT	32 SCFM	11508098	MS6-WB	03078169
	MS6N-LFM-1/2-ARM	1/2" NPT		11508095	MS6-WB	03078169
	MS9-LFM-N3/4-AUV	3/4" NPT	230 SCFM	11511745	MS9-WP	07773863
	MS9-LFM-N1-AUV	1" NPT		11511712	MS9-WP	07773863
	MS4-LFM-1/4-AUV	1/4" G	360 l/min	11508794	MS4-WB	08367595
	MS4-LFM-1/4-ARM	1/4" G		04807770	MS4-WB	08367595
	MS6-LFM-1/2-AUV	1/2" G	900 l/min	08031894	MS6-WB	03078169
	MS6-LFM-1/2-ARM	1/2" G		11069706	MS6-WB	03078169
	MS9-LFM-3/4-AUV	3/4" G	6500 l/min	11511737	MS9-WP	07773863
	MS9-LFM-1-AUV	1" G		11511705	MS9-WP	07773863

(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	Mi item #	Festo bracket # (Note 1)	Mi item # bracket
 Metal Bowl	MS6N-LWS-1/4-U-V	1/4" NPT	85 SCFM	11513789	MS6-WB	03078169
	MS6N-LWS-3/8-U-V	3/8" NPT	124 SCFM	11513790	MS6-WB	03078169
	MS6N-LWS-1/2-U-V	1/2" NPT	134 SCFM	08491974	MS6-WB	03078169
	MS9-LWS-N3/4-U-V	3/4" NPT	424 SCFM	15420111	MS9-WP	07773863
	MS9-LWS-N1-U-V	1" NPT	530 SCFM	15420110	MS9-WP	07773863
	MS6-LWS-1/4-U-V	1/4" G	2400 l/min	11513788	MS6-WB	03078169
	MS6-LWS-3/8-U-V	3/8" G	3500 l/min	07413255	MS6-WB	03078169
	MS6-LWS-1/2-U-V	1/2" G	3800 l/min	07383086	MS6-WB	03078169
	MS9-LWS-3/4-U-V	3/4" G	12,000 l/min	15420109	MS9-WP	07773863
	MS9-LWS-1-U-V	1" G	15,000 l/min	15420108	MS9-WP	07773863

Replacement element	Part number	Description	Mi Item #
	MS4/D-MINI-LFM-A	.01 Micron	03062927
	MS6-LFM-A		06083862
	MS9-LFM-A		11511673

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	Mi Item #	Festo bracket # (Note 1)	Mi Item # bracket
	MS4N-LFR-1/4-D6-CRM-AS	1/4" NPT	4.35 -101 PSI	10600901	MS4-WB	08367595
	MS4N-LFR-1/4-D6-CRV-AS	1/4" NPT		11507971	MS4-WB	08367595
	MS4N-LFR-1/4-D7-CRM-AS	1/4" NPT	7.25 -174 PSI	11507960	MS4-WB	08367595
	MS4N-LFR-1/4-D7-CRV-AS	1/4" NPT		11507962	MS4-WB	08367595
	MS6N-LFR-1/2-D6-CRM-AS	1/2" NPT	4.35 -101 PSI	05893746	MS6-WB	03078169
	MS6N-LFR-1/2-D6-CRV-AS	1/2" NPT		11507989	MS6-WB	03078169
	MS6N-LFR-1/2-D7-CRM-AS	1/2" NPT	7.25 -174 PSI	05191346	MS6-WB	03078169
	MS6N-LFR-1/2-D7-CRV-AS	1/2" NPT		11507979	MS6-WB	03078169
	MS9-LFR-N3/4-D7-C-U-V-AG-PSI-AS	3/4" NPT	7.25 -174 PSI	15420097	MS9-WP	07773863
	MS9-LFR-N1-D7-C-U-V-AG-PSI-AS	1" NPT	7.25 -174 PSI	15420096	MS9-WP	07773863
	MS4-LFR-1/4-D6-CRM-AS	1/4" G	.3 - 7 BAR	11366940	MS4-WB	08367595
	MS4-LFR-1/4-D6-CRV-AS	1/4" G		05670024	MS4-WB	08367595
	MS4-LFR-1/4-D7-CRM-AS	1/4" G	.5 - 12 BAR	05524049	MS4-WB	08367595
	MS4-LFR-1/4-D7-CRV-AS	1/4" G		11507781	MS4-WB	08367595
	MS6-LFR-1/2-D6-CRM-AS	1/2" G	.3 - 7 BAR	03364591	MS6-WB	03078169
	MS6-LFR-1/2-D6-CRV-AS	1/2" G		04688689	MS6-WB	03078169
	MS6-LFR-1/2-D7-CRM-AS	1/2" G	.5 - 12 BAR	10663067	MS6-WB	03078169
	MS6-LFR-1/2-D7-CRV-AS	1/2" G		06953560	MS6-WB	03078169
	MS9-LFR-3/4-D7-C-U-V-AG-BAR-AS	3/4" G	.5 - 12 BAR	15420095	MS9-WP	07773863
5 Micron	MS9-LFR-1-D7-C-U-V-AG-BAR-AS	1" G	.5 - 12 BAR	15420094	MS9-WP	07773863

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

Regulator MS-LR Series	Festo part #	Port size	Pressure range	Mi Item #	Festo bracket # (Note 1)	Mi Item # bracket
	MS4N-LR-1/4-D5-AS	1/4" NPT	4.35 -58 PSI	08778981	MS4-WB	08367595
	MS4N-LR-1/4-D6-AS	1/4" NPT	4.35 -101 PSI	07499888	MS4-WB	08367595
	MS4N-LR-1/4-D7-AS	1/4" NPT	7.25 -174 PSI	06601949	MS4-WB	08367595
	MS6N-LR-1/2-D5-AS	1/2" NPT	4.35 -58 PSI	05791126	MS6-WB	03078169
	MS6N-LR-1/2-D6-AS	1/2" NPT	4.35 -101 PSI	11508012	MS6-WB	03078169
	MS6N-LR-1/2-D7-AS	1/2" NPT	7.25 -174 PSI	07738389	MS6-WB	03078169
	MS9-LR-N3/4-D7-AG-PSI-AS	3/4" NPT	7.25 -174 PSI	15420093	MS9-WP	07773863
	MS9-LR-N1-D7-AG-PSI-AS	1" NPT	7.25 -174 PSI	15420092	MS9-WP	07773863
	MS4-LR-1/4-D5-AS	1/4" G	.3 - 4 BAR	04286470	MS4-WB	08367595
	MS4-LR-1/4-D6-AS	1/4" G	.3 - 7 BAR	03739174	MS4-WB	08367595
	MS4-LR-1/4-D7-AS	1/4" G	.5 - 12 BAR	06601949	MS4-WB	08367595
	MS6-LR-1/2-D5-AS	1/2" G	.3 - 4 BAR	05791125	MS6-WB	03078169
	MS6-LR-1/2-D6-AS	1/2" G	.3 - 7 BAR	06003008	MS6-WB	03078169
High exhaust reverse flow STD	MS6-LR-1/2-D7-AS	1/2" G	.5 - 12 BAR	05185151	MS6-WB	03078169

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

Replacement element	Part number	Description	Mi Item #
	MS4-LFP-C	5 Micron	07450520
	MS6-LFP-C		05120047
	MS9-LFP-C		07633124

Additional regulator components

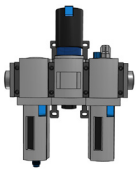
Additional regulators	Festo Part #	Port size	Adjustable pressure rating	Mi Item #	Festo bracket #	Mi Item # bracket
	LRP-1/8-6	1/8 G	1.45-87 psi	11519312	MS4-WR	07661242
	LRP-1/4-0,7	1/4 G	.73-10 psi	02376155		
	LRP-1/4-2,5	1/4 G	.73-36.25 psi	02367037		
	LRP-1/4-4	1/4 G	.73-58 psi	02374681		
LRP precision	LRP-1/4-10	1/4 G	1.45-145 psi	02393963		
	MS2-LR-M5-D6-A8-B	M5	No Gauge	11525062	MS2-WR-B	11525090
	MS2-LR-M5-D6-AR-BAR-B	M5	14.5-145 psi	11525060		
	MS2-LR-QS6-D6-A8-B	6mm OD	No Gauge	11525065		
MS2 - compact size	MS2-LR-QS6-D6-AR-BAR-B	6mm OD	14.5-145 psi	11525063		

Additional regulators	Festo Part #	Port size	Adjustable pressure rating	Mi Item #	Festo bracket #	Mi Item # bracket
	VRPA-CM-Q6-E	6mm OD	14.5-116 psi	11371795	NA	NA
	VRPA-CM-Q4-E	5/32 OD	14.5-116 psi	11525019	NA	NA
	VRPA-CM-T14-E	1/4 OD	14.5-116 psi	11525020	NA	NA
	VRPA-CM-Q8-E	5/16 OD	14.5-116 psi	10661108	NA	NA
VPRA -Tube to Tube						
	VRPA-LM-N18-T14	1/8npt -1/4	14.5-116 psi	11525028	NA	NA
	VRPA-LM-N14-T14	1/4npt -1/4	14.5-116 psi	11525030	NA	NA
	VRPA-LM-R18-Q6	1/8R - 6mm	14.5-116 psi	11525024	NA	NA
VPRA -Thread to Tube	VRPA-LM-R14-Q6	1/4R - 6mm	14.5-116 psi	11525026	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	Mi item #	Festo bracket # (Note 1)	Mi item # bracket	Standard Configuration	Festo part #	Port size	Standard features	Mi item #
	MS4N-LOE-1/4-R	1/4 NPT	77 SCFM	08501883	MS4-WB	08367595		MSB4-AQN:H4:N3:M1-WP	1/4 NPT	Manual Dump Valve w/Muffler	15420065
	MS6N-LOE-1/2-R	1/2 NPT	254 SCFM	07499900	MS6-WB	03078169		MSB4-AQP:H4:N3:M1-WP	3/8 NPT	Filter/Regulator with Gauge	15420066
	MS9-LOE-N3/4-U	3/4" NPT	Metal Bowl	15420112	MS9-WP	07773863		MSB6-AQR:H4:N3:M1-WP	1/2 NPT	Auto Drain	15420068
	MS9-LOE-N1-U	1" NPT	Metal Bowl	15420103	MS9-WP	07773863		MSB9-AQS:H6:N37:M2-WP	3/4 NPT	5 Micron Filter Locking Regulator Knob	15420074
								MSB9-AQT:H6:N37:M2-WP	1 NPT	Mounting Brackets	15420075
	MS4-LOE-1/4-R	1/4 G	2200 l/min	08029797	MS4-WB	08367595		MSB9-AQV:H6:N37:M2-WP	1 1/2 NPT	7.25 - 174 PSI Regulating Range	15420076
	MS6-LOE-1/2-R	1/2 G	7200 l/min	07499900	MS6-WB	03078169		MSB4-AGB:H4:N3:M1-WP	1/4 G		15420063
	MS9-LOE-3/4-U	3/4" G	Metal Bowl	15420102	MS9-WP	07773863		MSB4-AGC:H4:N3:M1-WP	3/8 G		15420064
	MS9-LOE-1-U	1/2" G	Metal Bowl	15420101	MS9-WP	07773863		MSB6-AGD:H4:N3:M1-WP	1/2 G		15420067
								MSB9-AGE:H6:N37:M2-WP	3/4 G		15420071
								MSB9-AGF:H6:N37:M2-WP	1 G		15420072
								MSB9-AGH:H6:N37:M2-WP	1 1/2 G		15420073

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

Replacement element	Part number	Description	Mi item #
	OFSW-32	Replacement Oil	04917655

Replacement element	Part number	Description	Mi item #
	MS4-LFP-C	5 Micron	07450520
	MS6-LFP-C		05120047
	MS9-LFP-C		07633124

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)	Mi item #
	HE-N3/8-LO	3/8" NPT	1" NPT	7.36	184 scfm	11507204
	HE-N1/2-LO	1/2" NPT		8.76	219 scfm	02937974
	HE-N3/4-LO	3/4" NPT		11.28	282 scfm	05791113
	HE-N1-LO	1" NPT		14.12	353 scfm	11507205
	HE-G3/8-LO	3/8" G	1" G	7.36	5200 Lmin	07455381
	HE-G1/2-LO	1/2" G		8.76	6200 Lmin	03721715
	HE-G3/4-LO	3/4" G		11.28	8000 Lmin	02870548
ISO 1179-1 and ISO 228-1	HE-G1-LO	1" G		14.12	10000 Lmin	07219766

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

Manual lock out dump valves	Inch part #	Port size	CV	Mi item #	Festo bracket # (Note 1)	Mi item # bracket
	MS4N-EM1-1/4-S	1/4" NPT	3.08	09016621	MS4-WB	08367595
	MS6N-EM1-1/2-S	1/2" NPT	12.28	07028001	MS6-WB	03078169
	MS9-EM-N3/4-S-VS	3/4" NPT	20.49	15420091	MS9-WP	07773863
	MS9-EM-N1-S-VS	1" NPT	25.44	15420089	MS9-WP	07773863
	MS4-EM1-1/4-S	1/4" G	3.08	06620340	MS4-WB	08367595
	MS6-EM1-1/2-S	1/2" G	12.28	05678320	MS6-WB	03078169
	MS9-EM-3/4-S-VS	3/4" G	20.49	15420086	MS9-WP	07773863
Black Knob						
	MS9-EM-N3/4-R-S-VS	3/4" NPT	20.48	15420090	MS9-WP	07773863
	MS9-EM-N1-R-S-VS	1" NPT	25.44	15420088	MS9-WP	07773863
	MS4-EM1-1/4-R-S	1/4" G	3.08	15476197	MS4-WB	08367595
	MS6-EM1-1/2-R-S	1/2" G	12.28	05565118	MS6-WB	03078169
	MS9-EM-3/4-R-S-VS	3/4" G	20.48	15420087	MS9-WP	07773863
Red Knob	MS9-EM-1-R-S-VS	1" G	25.44	15420085	MS9-WP	07773863

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

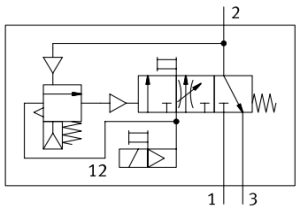
Right to left directions and many other options, refer to page 9

***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

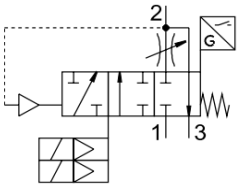
MS6-SV-...-10V24, 10V24F, 10V24P



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

Datasheet MS6-SV-D Cat 3

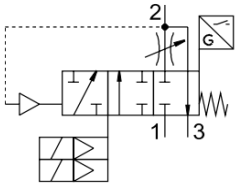
Function



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	Part #	Category level	Port size	Mi item #	Added features	Flow P-A (1-2)	Flow A-R (2-3)	CV (P-A)	Festo bracket # (Note 1)	Mi 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	15420069	Form C Valve Connection, Built in Gauge, Muffler Included	201 scfm	269 scfm	8.06	MS6-WB	03078169
	MS9-SV-N3/4-C-10V24P-S-AG-PSI	1	3/4" NPT	15420080	M12 Valve connection with built in Gauge. Muffler Included	512 SCFM	758 SCFM	20	MS9-WP	07773863
	MS9-SV-N1-C-10V24P-S-AG-PSI	1	1" NPT	15420079	M12 Valve connection with built in Gauge. Muffler Included	582 SCFM	737 SCFM	23.27	MS9-WP	07773863
	MS6-SV-1/2-C-10V24-S	1	1/2"G	07457165	Form C Valve Connection, Muffler Included, No Gauge	5,700 l/min	7,600 l/min	8.06	MS6-WB	03078169
MS6-SV-D	MS9-SV-3/4-C-10V24P-S-AG-PSI	1	3/4" G	15420078	M12 Valve connection with built in Gauge. Muffler Included	14,150 l/min	21,450 l/min	20	MS9-WP	07773863
	MS9-SV-1-C-10V24P-S-AG-PSI	1	1" G	15420077	M12 Valve connection with built in Gauge. Muffler Included	16,460 l/min	20,870 l/min	23.27	MS9-WP	07773863
	MS6-SV-1/2-D-10V24-2M8-SO-AG	3	1/2"G	15476198	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	03078169
	MS6-SV-1/2-D-10V24P-2M12-SO-AG	3	1/2"G	07141767	M12 Dual valve connection with M12 sensor input / built in Gauge / Muffler	4,300 l/min	9,000 l/min		MS6-WB	03078169
MS6-SV-E	MS6N-SV-1/2-E-10V24-SO-AG	4	1/2" NPT	15420070	DB9 Main connection, 24VDC, Soft Start Operation, Built in Gauge Muffler Included	4,300 l/min	9,000 l/min	6.07	MS6-WB	03078169
	MS6-SV-1/2-E-10V24-AG	4	1/2"G	05565121	DB9 Main connection with Built in Gauge	4,300 l/min	9,000 l/min		MS6-WB	03078169
	MS6-SV-1/2-E-10V24-SO-AG	4	1/2"G	05399700	DB9 Main connection with built in Gauge and Muffler included	4,300 l/min	9,000 l/min		MS6-WB	03078169

(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	Mi item #	Added features	Flow P-A (1-2)	Flow A-R (2-3)	CV (P-A)	Festo bracket # (Note 1)	Mi 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	15476199	M12 Valve connection, 24vdc, Built in Pressure switch	201 SCFM	269 SCFM	8.06	MS6-WB	03078169
	MS6-SV-1/2-D-10V24P-2M8-SO-AD12	3	1/2" G	15476200	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	15476201	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	Mi item #	Volt-age	Standard features	CV	Flow P A SCFM	Flow A R SCFM	Festo bracket # (Note 1)	Mi item # bracket
	MS4N-EE-1/4-10V24-S	C	1/4 NPT	11509955	24 VDC	Built in PSI gauge, 1/4 NPT Exhaust Port	2.82	70.6	56.5	MS4-WB	08367595
	MS6N-EE-1/2-10V24-S	C	1/2 NPT	07389425		Built in PSI gauge, 1/2 NPT Exhaust Port	9.88	247.1	194.2	MS6-WB	03078169
	MS9-EE-N3/4-V24-S-AG-PSI	A	3/4 NPT	15420084		Built in PSI gauge, 1 NPT Exhaust Port	18.09	512	526	MS9-WP	07773863
	MS9-EE-N1-V24-S-AG-PSI	A	1 NPT	15420083		Built in PSI gauge, 1 NPT Exhaust Port	25.44	636	498	MS9-WP	07773863
	MS4-EE-1/4-10V24-S	C	1/4 G	06196236		Built in PSI gauge, 1/4 NPT Exhaust Port	2.82	2000	1600	MS4-WB	08367595
	MS6-EE-1/2-10V24-S	C	1/2 G	05249040		Built in PSI gauge, 1/2 NPT Exhaust Port	9.88	7000	5500	MS6-WB	03078169
	MS9-EE-3/4-V24-S-AG-PSI	A	3/4 G	15420082		Built in PSI gauge, 1 NPT Exhaust Port	18.09	14500	14900	MS9-WP	07773863
Muffler Included	MS9-EE-1-V24-S-AG-PSI	A	1 G	15420081		Built in PSI gauge, 1 NPT Exhaust Port	25.44	18000	14100	MS9-WP	07773863

(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	Mi item #	End port adaptors (includes 2 plates) per assembly	Festo part #	Port size	Series	Mi item #
	MS4N-AQK	1/8 NPT	MS4 (N)	11507560		MS4-AGA	1/8 G	MS4	11507562
	MS4N-AQN	1/4 NPT		11507561		MS4-AGB	1/4 G		07963154
	MS4N-AQP	3/8 NPT		07499885		MS4-AGC	3/8 G		06791246
	MS6N-AQP	3/8 NPT	MS6 (N)	07499893		MS6-AGC	3/8 G	MS6	07499890
	MS6N-AQR	1/2 NPT		07887012		MS6-AGD	1/2 G		07996192
	MS6N-AQS	3/4 NPT		07499894		MS6-AGE	3/4 G		11507565
	MS9-AQS	3/4 NPT	MS9	07499902		MS9-AGE	3/4 G	MS9	11511681
	MS9-AQT	1 NPT		07220193		MS9-AGF	1 G		11511682
	MS9-AQU	1 1/4 NPT		11511686		MS9-AGG	1 1/4 G		11511683
O-rings included	MS9-AQV	1 1/2 NPT		10619354	O-rings included	MS9-AGH	1 1/2 G		11511684

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

Modular connectors (coupling purpose)	Festo part #	Description		Mi item #	End port adaptors (includes 2 plates) per assembly	Festo part #		Port size	Item #	Festo bracket (Note 1)	Mi bracket item #
	MS4-MV1	MS4(N) Coupling	No bracket	12398929		MS4N-FRM-1/4	No Gauge	1/4" NPT	09016620	MS4-WB	08367595
	MS6-MV1	MS6(N) Coupling		06228218		MS4N-FRM-1/4-AG	Gauge	1/4" NPT	15420062	MS4-WB	08367595
	MS9-MV	MS9 Coupling		11511677		MS6N-FRM-1/2	No Gauge	1/2" NPT	07028002	MS6-WB	03078169
						MS6N-FRM-1/2-AG	Gauge	1/2" NPT	15420060	MS6-WB	03078169
	MS4-WP	MS4(N) Coupling	With bracket	06237783		MS9-FRM-N3/4-AG-PSI	Gauge	3/4" NPT	15420107	MS9-WP	07773863
	MS6-WP	MS6(N) Coupling		03535113		MS9-FRM-N1-VS-AG-PSI	Gauge	1" NPT	15420106	MS9-WP	07773863
	MS9-WP	MS9 Coupling		07773863	No Gauge	MS4-FRM-1/4	No Gauge	1/4" G	04882469	MS4-WB	08367595
						MS4-FRM-1/4-AG-PSI	Gauge	1/4" G	15420061	MS4-WB	08367595
O-rings Included						MS6-FRM-1/2	No Gauge	1/2" G	04861784	MS6-WB	03078169
	MS4-6-AMV	MS4(N)-MS6(N)	No bracket	07591094		MS6-FRM-1/2-AG-PSI	Gauge	1/2" G	15420059	MS6-WB	03078169
	MS6-9-AMV	MS6(N)-MS9		11519862		MS9-FRM-3/4-AG-PSI	Gauge	3/4" G	15420105	MS9-WP	07773863
Mixed sized connector					Built in Gauge	MS9-FRM-1-AG-PSI	Gauge	1" G	15420104	MS9-WP	07773863

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

Additional accessories

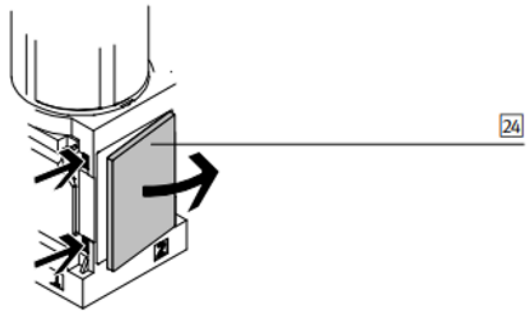
Electrical accessories	Part #	Additional information	Mi item #	Add on accessories	Part #	Additional information	Mi item #
	MSSD-EB	Form C din connector	02785455		LRVS-D	Lock	07759550
	KMEB-1-24-5-LED	Form C din connector 5m cable	02925950		AD-G1/8-1/8NPT-I	1/8G Male to 1/8NPT female thread	04535420
	MEB-LD-12-24DC	Illuminating seal DC voltage	02785457		AD-G1/4-1/4NPT-I	1/4G Male to 1/4NPT female thread	08950531
	MEB-LD-230AC	Illuminating seal AC voltage	08254586		AD-G3/8-3/8NPT-I	3/8G Male to 8/8NPT female thread	00444107
	MSSD-C	Form A din conector	01635867		AD-G1/2-1/2NPT-I	1/2G Male to 1/2NPT female thread	04737111
	KMC-1-24DC-5-LED	Form A din connector 5m cable	02982796		AD-G3/4-3/4NPT-I	3/4G Male to 3/4NPT female thread	07649886
	MC-LD-12-24DC	Illuminating seal DC voltage	02785488		AD-1/8NPT-G1/8-I	1/8G Female to 1/8NPT male thread	08039941
	MC-LD-230AC	Illuminating seal AC voltage	03342469		AD-1/4NPT-G1/4-I	1/4G Female to 1/4NPT male thread	07981468
	NEBA-M12G5-U-5-N-LE4	M12 socket straight cable 5 meters	15161930		AD-3/8NPT-G3/8-I	3/8G Female to 3/8NPT male thread	00444101
	NEBA-M12W5-U-5-N-LE4	M12 socket elbow cable 5 meters	15161939		AD-1/2NPT-G1/2-I	1/2G Female to 1/2NPT male thread	00446079
	NEBA-M8G3-U-5-N-LE3	M8 socket straight cable 5 meters	15161914		AD-3/4 NPT-G3/4-I	3/4G Female to 3/4NPT male thread	11510456

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

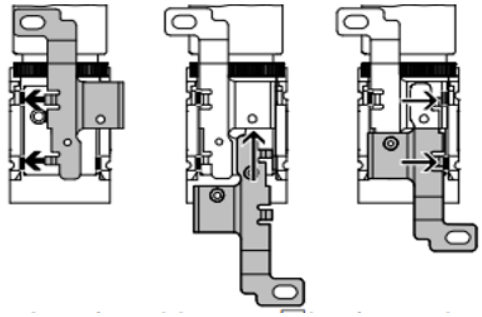
***Blue highlight = NPT/INCH**

Assembly procedures for MS4-WB and MS6-WB

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

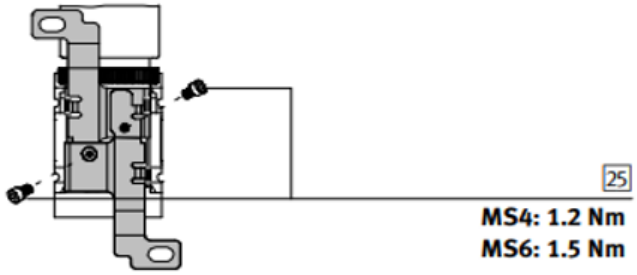


2. Mount the mounting bracket on the service unit as follows.

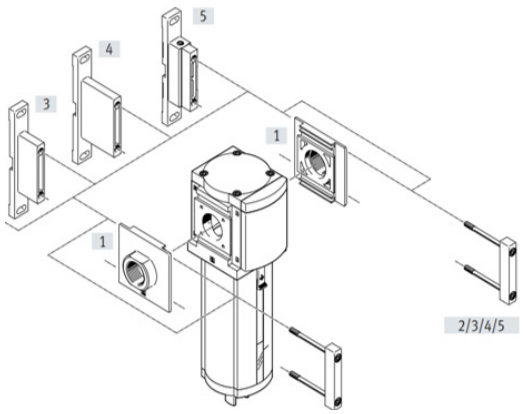


3. Screw the retaining screws [25] into the mounting bracket.

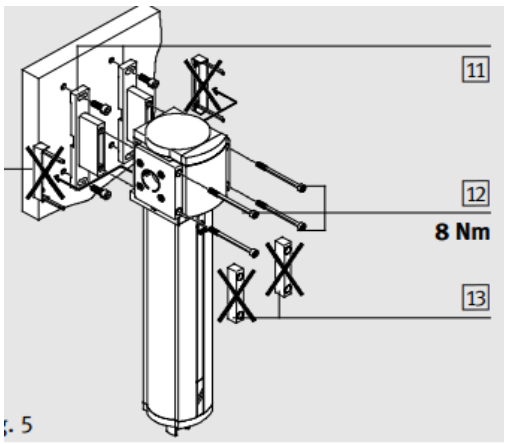
4. Mount the mounting bracket [26] or [27] in the intended position with two screws.



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



Assembly Procedure for: MS9-WP



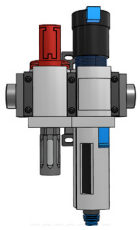
Right to left directions and many other options, refer to page 9

*Blue highlight = NPT/INCH

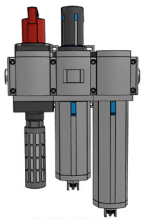
Section 2 - Pre-configured air prep assemblies (left to right direction)

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

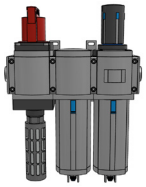
Lock out dump valve - filter/regulator

Standard configuration	Part #	Port size	Standard features	Festo 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

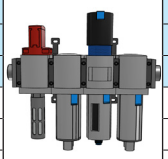
Lock out dump valve - filter/reg - mist seperator

Standard configuration	Part #	Port size	Standard features	Festo 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

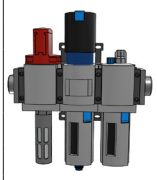
Lock out dump valve - water separator - Filter/Reg

Standard configuration	Part #	Port size	Standard features	Festo 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

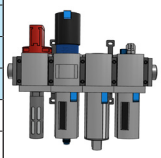
Lock out dump valve - water separator-filter/reg - mist seperator

Standard configuration	Part #	Port size	Standard features	Festo 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

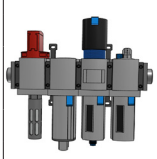
Lock out dump valve - filter/reg - lubricator

Standard configuration	Part #	Port size	Standard features	Festo 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

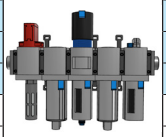
Lock out dump valve - filter/reg - mist separator - lubricator

Standard configuration	Part #	Port size	Standard features	Festo 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	Festo 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	Festo 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 #**	**Festo item config#**	**Description**	**Configurator**	**Festo series #**	**Festo 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.

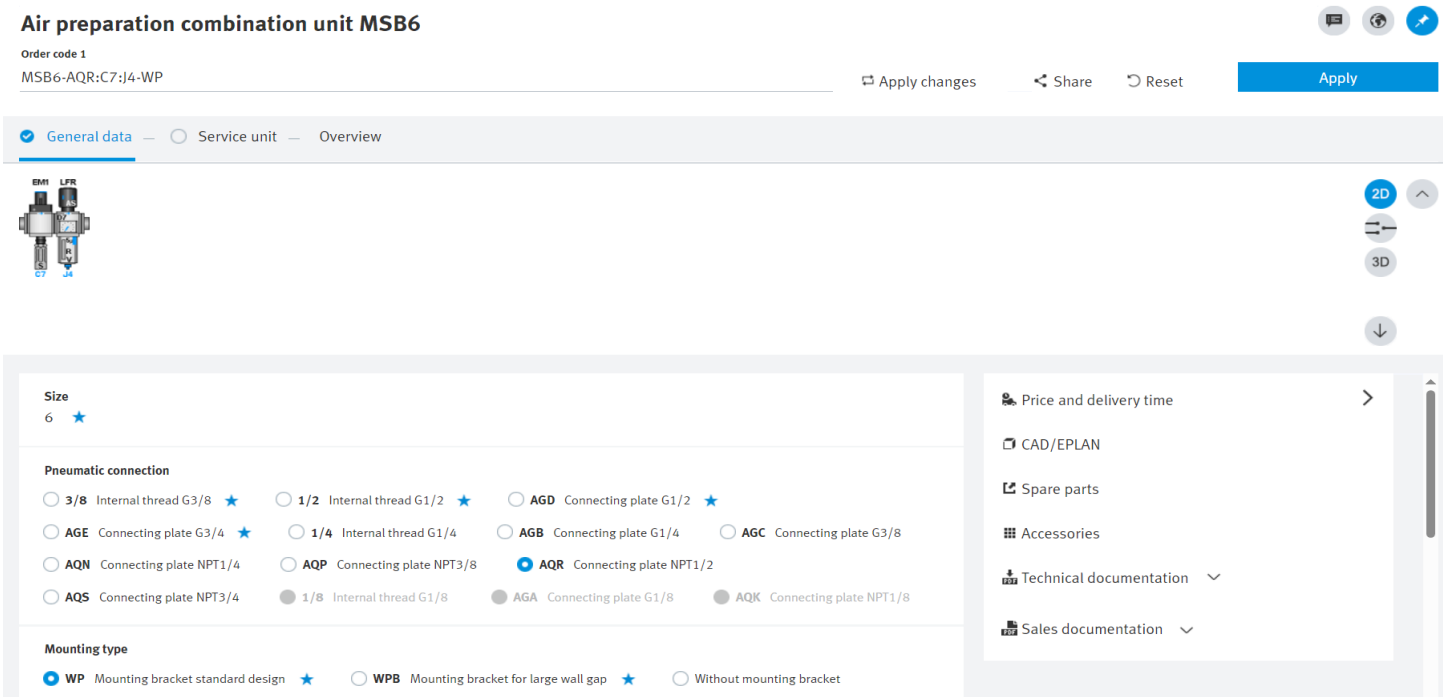


... to ready-to-install complete solutions.

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

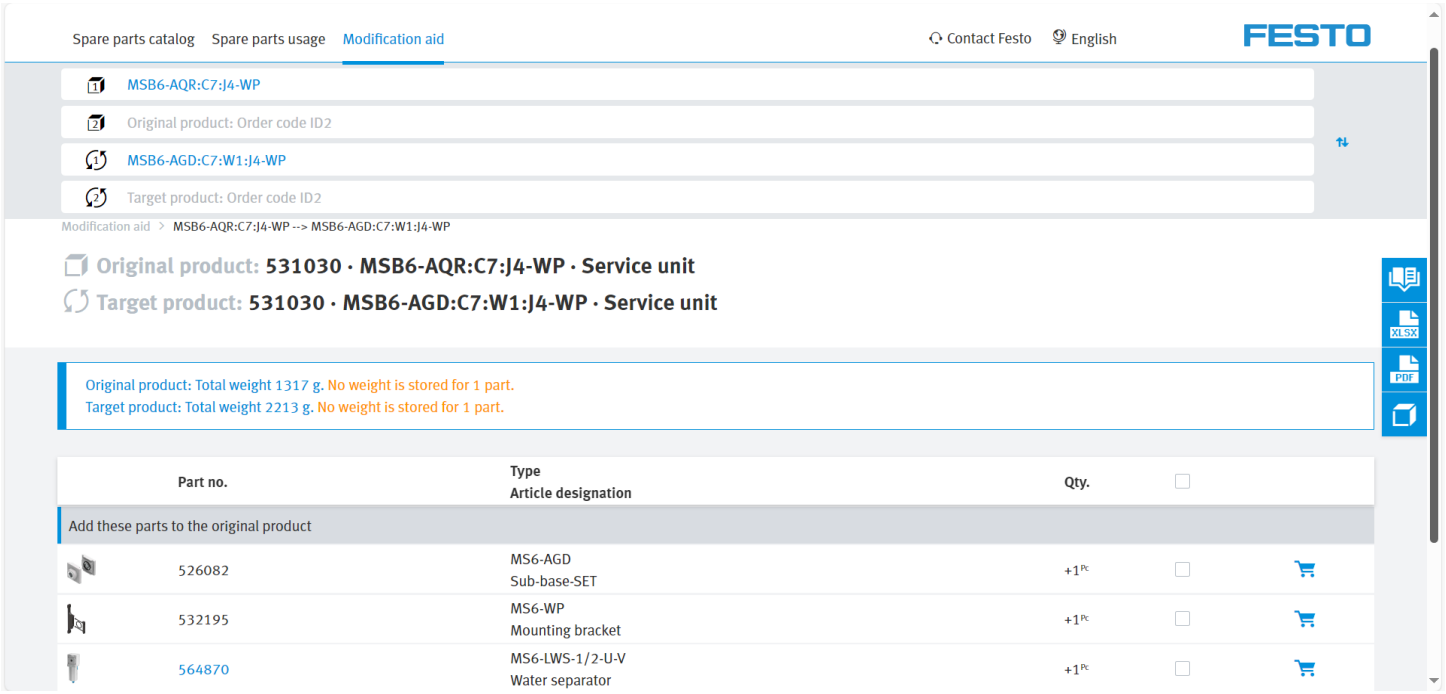
Online configurator

Air preparation combination unit MSB6 | Festo USA



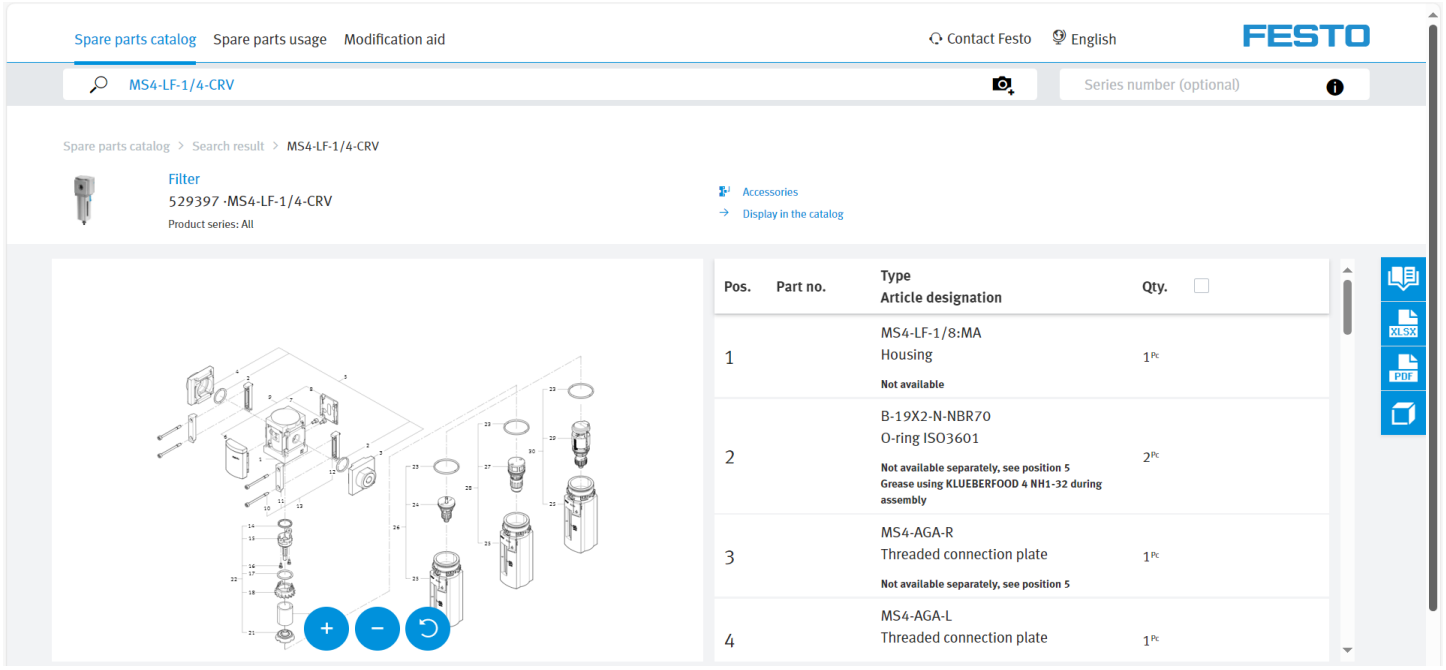
Additonal tools (modification aid)

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



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