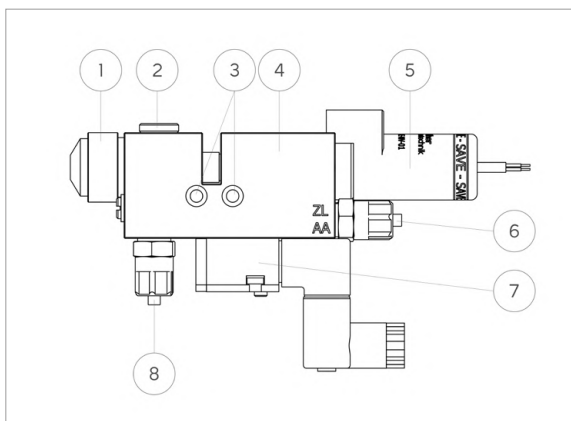


## SMS-02 – SPRAY VALVE SERIES 02



### USAGE

The Spray Valves of series 02 provide a solid basis for various spray applications. The Spray Valves are suitable for an intermitting as well as a continuing application of different media (e.g. oils, separating agents, paint, greases etc.). The Valves come with a flanged, electro-pneumatic 5/2-way valve which actively and parallelly opens and locks the valve needle, and activates the atomizer air. A throttle valve was integrated in the valve body and is used for setting the post-air time of the atomizer air when cleaning the nozzle.



### CONSTRUCTION

- 1 Nozzle with air cap and retaining ring
- 2 Locking screw
- 3 Fastening thread
- 4 Basic housing
- 5 Raster-needle sensor with SAVE
- 6 Atomizer air connection
- 7 5/2-way magnetic valve
- 8 Material connection

### HIGHLIGHTS

- No additional pneumatic valve required for controlling the atomizer air
- different nozzles and air cap combinations for a perfect adaptation to the desired spraying image
- optional sensor available for monitoring the valve needle stroke
- for complex spraying tasks, we offer a variety of adapted nozzle extensions optionally
- optional heating plate available for tempering the valve body

### YOUR BENEFITS

- Possibility of realising a process control in connection with a WALTHER LOGIC Limit Value Module
- Valve for automated application of viscous media
- fast, repeatable installation through integrated centering hollows



## ORDER CODE

(\* STANDARD OPTIONS)

<b>1</b>	<b>Designation</b>	<b>5</b>	<b>Pressure sensor</b>	<b>8</b>	<b>Nozzle type</b>
	Spray Valve Series 02	T00	upper boring with plug*	NON	no nozzle
		T02	upper sensor 0 to 2 [Bar]	KLS03	KLS 0,3 [mm]
<b>2</b>	<b>Sealing Type</b>	T10	upper sensor 0 to 10 [Bar]	KLS05	KLS 0,5 [mm]*
V	Viton*	T50	upper sensor 0 to 50 [Bar]*	KLS08	KLS 0,8 [mm]*
I	Isolast	R00	boring right with plug	KLS10	KLS 1,0 [mm]
E	EPDM	R02	sensor right 0 to 2 [Bar]	KLS15	KLS 1,5 [mm]
		R10	sensor right 0 to 10 [Bar]	KLS20	KLS 2,0 [mm]
		R50	sensor right 0 to 50 [Bar]	STA01	standard nozzle 0,1 [mm]
				STA03	standard nozzle 0,3 [mm]
<b>3</b>		<b>6</b>	<b>Special design</b>	STA05	standard nozzle 0,5 [mm]
R	with sensor*	00	without special version*	STA08	standard nozzle 0,8 [mm]
N	without sensor*	01	6-kt retaining ring	STA10	standard nozzle 1,0 [mm]
				STA15	standard nozzle 1,5 [mm]
<b>4</b>	<b>Save</b>	<b>7</b>	<b>Air cap</b>	STA03	standard nozzle 2,0 [mm]
S	installed*	N00	no air cap / with DVL **	STA25	standard nozzle 2,5 [mm]
N	not installed	S10	air cap marking nozzle (8-10°)	SIG01	marking nozzle 0,1 [mm]
		R15	ring-jet 15°*	SIG03	marking nozzle 0,3 [mm]
		F45	flat-jet 45°	SIG05	marking nozzle 0,5 [mm]
		F60	flat-jet 60°	DVL-	nozzle extension...*
		F90	flat-jet 90°		

Item number	Order Code	Item number	Order Code
500I0677	SMS-02-F-R-S-T00-00-R15-KLS05	500xxxxx	SMS-02-F-R-S-T00-00-N00-DVLxx-..
500I0678	SMS-02-F-R-S-T00-00-R15-KLS08	500xxxxx	SMS-02-F-R-S-T50-00-N00-DVLxx-..
500I0681	SMS-02-F-R-S-T50-00-R15-KLS05	500xxxxx	SMS-02-F-N-S-T00-00-N00-DVLxx-..
500I0682	SMS-02-F-R-S-T50-00-R15-KLS08	500xxxxx	SMS-02-F-N-S-T50-00-N00-DVLxx-..
500I0685	SMS-02-F-N-S-T00-00-R15-KLS05		
500I0686	SMS-02-F-N-S-T00-00-R15-KLS08		
500I0689	SMS-02-F-N-S-T50-00-R15-KLS05		
500I0690	SMS-02-F-N-S-T50-00-R15-KLS08		



Processing & Application / Spraying / Valve

## SMS-02 – SPRAY VALVE SERIES 02

### SPARE PARTS

Item number	Order Code	Designation
5000xxxx	DSV-xx-xx-xx	Nozzle Spray Valve
5000xxxx	VNS-xx-xx-xx-xxxx	Valve needle Spray Valve
5000xxxx	LKS-xx-xx-xx-xxxx	Air cap Spray Valve
50007630		Retaining ring hexagonal
50007629		Retaining ring round
50007205		Valve needle lock with needle stroke sensor
50010414		Valve needle lock
5000xxxx	WST-...	Magnetic valve 24V / DC / 1,8W with LED plug
5000xxxx	WST-...	Material wearing parts kit for SMS-02 (Standard), VITON
5000xxxx	WST-...	Wearing parts kit for SMS-02 (Raster-needle sensor), VITON
5000xxxx	WST-...	Wearing parts kit for SMS-02 (Standard), VITON

### ACCESSORIES

Item number	Order Code	Designation
50008879	PS2-002-G18-A	Pressure sensor 2 [bar]
50008758	PS1-010-G18-A	Pressure sensor 10 [bar]
50008756	PS1-050-G18-A	Pressure sensor 50 [bar]
50008785		G1/8" Mounting system pressure sensor
50007634	HZP-90-25W-01	Heating plate
50007804	HZP-ISO-01	Insulating plate
50007618		Centering sleeve (2x)
50008400	WLG-40-470-SOFT-500	WALTHER LOGIC Limit Value Module incl. software
50008752	WLVC-30-320-SOFT-323	WALTHER LOGIC Valve Control incl. software
50008746	WLVC-M-10-101-SOFT-101	WALTHER LOGIC Valve Control MINI incl. software
50007662	RKS-01	Cleaning kit for valves
50007773	WZS-03	Tool set for valve maintenance
50010323	SAVE-NV-01	SAVE Valve needle lock
5000xxxx	WST- ...	Connecting screw joint matching the valve

### TECHNICAL DATA

Process pressure	max. 35 [bar]
Control air pressure	min. 5 to 6 [bar]
Atomizer air pressure	0,5 to 6 [bar]
Process connection (medium)	G1/4" incl. hose screw joint 6/4
Process connection (air)	hose screw joint 6/4
Dimensions l x w x h	132 x 81 x 22 [mm] (incl. magnetic valve)
Weight	0,525 [kg]
Nozzle & needle	optionally hardened (kolsterised)