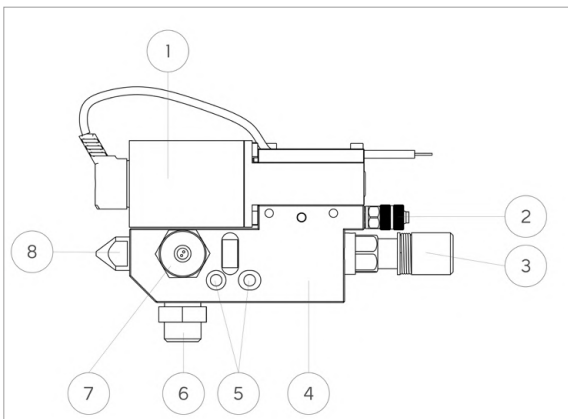
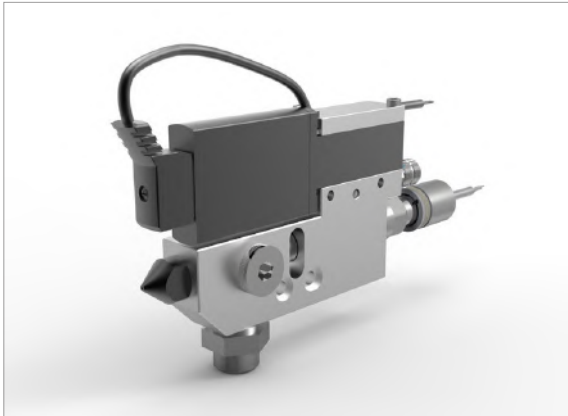




Processing & Application / Pulsing / Valves

MPP-03 – MICRO-POINT-PULSE VALVE TYPE 3



USAGE

The MPP Pulse Valve is best for a contact-free medium application (Pulsing). These process valves allow you to shoot dots of different media over a distance of up to 150 [mm] onto the target component. With this functional principle, you will be able to reach locations with difficult access, such as borings or beadings, for a medium application. The fast pulse frequency of up to 200 [Hz] also makes a bead application possible. As an option, a light barrier can monitor each individually applied medium dot.

CONSTRUCTION

- 1 Magnetic valve
- 2 Control air connection
- 3 Raster-needle sensor
- 4 Basic body
- 5 Fastening thread
- 6 Material connection
- 7 Pressure sensor
- 8 Nozzle Full-jet valve

HIGHLIGHTS

- Broad spectrum of use from dynamic smallest quantities to jet-stream dosing
- contact-free medium application
- broad spectrum of use for different media and a wide range of viscosity
- high flexibility due to replaceable nozzle and dosing needle
- optional light barrier available for monitoring the medium discharge
- optional heating plate available for tempering the valve

YOUR BENEFITS

- Suitable for an efficient, contact-free dosing of viscous media
- adjustable dosing volume
- compact design, excellent integration into any production system
- low weight, ideal for high traversing speeds
- possibility for realising a process control in connection with a WALTHER LOGIC Limit Value Module



MPP-03 – MICRO-POINT-PULSE VALVE TYPE 3

ORDER CODE

(* STANDARD OPTIONS)

MPP-03	-		-		-		-		-		-	
1		2		3		4		5		6		7

1	Designation	5	Pressure sensor	6	Nozzle diameter
	Micro-Point-Pulse Valve Type	N00	no boring*	02	0,2 [mm]
3		L00	boring left with plug	03	0,3 [mm]
		L02	0 to 2 [Bar]	05	0,5 [mm]*
2	Sealing Material	L10	0 to 10 [Bar]	08	0,8 [mm]
V	Viton*	L50	0 to 50 [Bar]*	10	1,0 [mm]
I	Isolast	R00	boring right with plug		
E	EPDM	R02	0 to 2 [Bar]	7	Valve needle
3	Needle stroke adjustment	R10	0 to 10 [Bar]	STD	nozzle needle standard (ceramic)*
R	with sensor*	R50	0 to 50 [Bar]*	HMT	nozzle needle (carbide)
N	without sensor*			8	Material of housing
4	Save			M	brass nickel-plated*
S	installed*			E	stainless steel
N	not installed*				

STANDARD VARIANTS

Item number	Order Code	Item number	Order Code
50010749	MPP-03-V-N-N-L50-05-STD-M	50010757	MPP-03-V-R-N-R50-05-STD-M
50010750	MPP-03-V-N-N-N00-05-STD-M	50010758	MPP-03-V-R-S-L50-05-STD-M
50010751	MPP-03-V-N-N-R50-05-STD-M	50010759	MPP-03-V-R-S-N00-05-STD-M
50010752	MPP-03-V-N-S-L50-05-STD-M	50010760	MPP-03-V-R-S-R50-05-STD-M
50010753	MPP-03-V-N-S-N00-05-STD-M		
50010754	MPP-03-V-N-S-R50-05-STD-M		
50010755	MPP-03-V-R-N-L50-05-STD-M		
50010756	MPP-03-V-R-N-N00-05-STD-M		



Processing & Application / Pulsing / Valves

MPP-03 – MICRO-POINT-PULSE VALVE TYPE 3

SPARE PARTS

Item number	Order Code	Designation
5000xxxx	DPV-xx-xx-xx	Nozzles Pulse Valve
5000xxxx	VNP-xx-xx-xx-xx	Valve needle Pulse Valve
50007228		Valve needle lock without needle stroke sensor
50007229		Valve needle lock with needle stroke sensor
50010798		5/2-way magnetic Valve 24 [VDC]
50010801		Electrical connection line
50010800		Wearing parts kit ISOLAST
50010799		Wearing parts kit FKM

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
50007739	HZP-90-25W-06	Heating plate
50007828	HZP-ISO-06	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	WLVCM-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
50010418	SAVE-NV-03	SAVE Valve needle lock

TECHNICAL DATA

Dosing range	0,0004 to 1,8 [ml]
max. allowed material pressure	100 [bar]
Frequency max	200 [Hz]
Weight	440 [g]
Dimensions l x w x h	124 x 15 x 58 [mm]
Control air pressure	6 [bar]