

JOUCOMATIC

MICRO SPOOL VALVES

solenoid air operated

Ø M5 subbase-mounted body
with side outlets

3/2-5/2-5/3

Series

518

Type

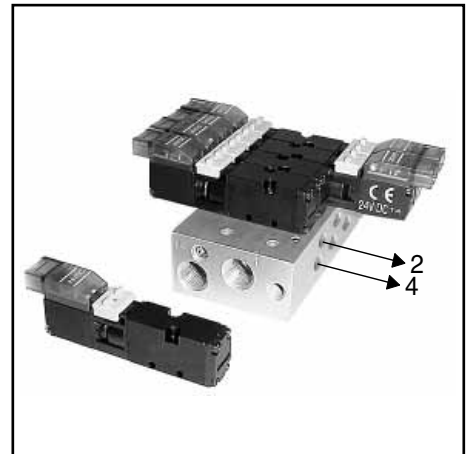
Micro 10

GENERAL

Fluid	Air or neutral gas, non-lubricated, filtered at 25 µm
Operating pressure	2 to 8 bar
Ambient temperature	+5°C to +50°C
Flow (Qv at 6 bar)	See "specifications"
Manual override	Impulse-type and maintained

CONSTRUCTION

Body	Light alloy, PA (polyamide)
Internal parts	Light alloy, brass, stainless steel
Seals	NBR (nitrile)

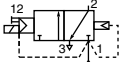
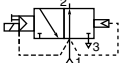
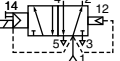
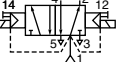
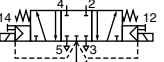
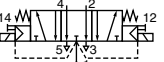


ELECTRICAL CHARACTERISTICS

voltage (other voltages on request)	consumption	insulation class	protection degree	electrical connection
24V = 12V = 5V =	1 W	F	IP 40	connector with two 0.5 mm ² lead wires + built-in LED and electrical protection or cable ends, 0,5 m long

The solenoid valves are designed for continuous operation within the maximum ambient temperature limits.

SPECIFICATIONS

function symbol		operators pilot (14) solenoid air operated return (12)	flow		response time (ms)		consumption (W)	type of electrical connection (*)	catalogue number (1)
			at 6 bar l/min (ANR)	coeff. Kv	ener- gized	de-ener- gized			
3/2		differential return	100	1,43	9	25	1,3	1	51801002
								2	51801150
								3	51801151
		differential return			9	25	1,3	4	51801152
								5	51801153
								1	51801004
5/2		differential return	100	1,43	9	25	1,3	2	51801154
								3	51801155
								4	51801156
		solenoid air operated return			6	-	1,3	5	51801157
								1	51801021
								2	51801158
5/3		pressure held W1	80	1,15	8	15	1,3	3	51801159
								4	51801160
								5	51801161
		pressure release W3			8	15	1,3	1	51801023
								2	51801162
								3	51801163
							4	51801164	
							5	51801165	
							1	51801031	
							2	51801166	
							3	51801167	
							4	51801168	
							5	51801169	
							1	51801033	
							2	51801170	
							3	51801171	
							4	51801172	
							5	51801173	

(*) Type 1, 2, 3, 4 with LED and electrical protection

1 = horizontal, width 5,08 mm

2 = vertical, width 5,08 mm

3 = horizontal, width 2,54 mm

4 = vertical, width 2,54 mm

5 = Cable ends 0,5 m long, 0,25 mm²

(1) The connectors must be ordered **separately** indicating the quantity and one of the following codes:

Connectors with 2 lead wires

Pin spacing 5,08 mm - Length 0,5 m - **cat.no.: 88118801**

- Length 1,5 m - **cat.no.: 88118802**

- Length 3 m - **cat.no.: 88118803**

Pin spacing 2,54 mm

- Length 0,5 m

- Length 1,5 m

- Length 3 m

- **cat.no.: 88118806**

- **cat.no.: 88118807**

- **cat.no.: 88118808**

SUBBASES : see overleaf



DIMENSIONS (mm), WEIGHT (kg)

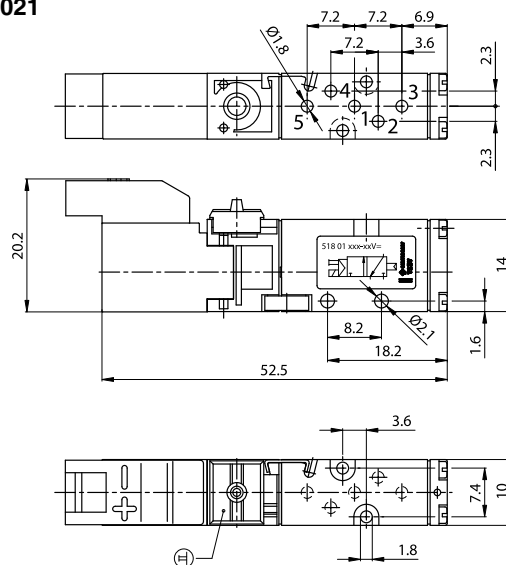


MICRO SPOOL-VALVES 3/2 - 5/2

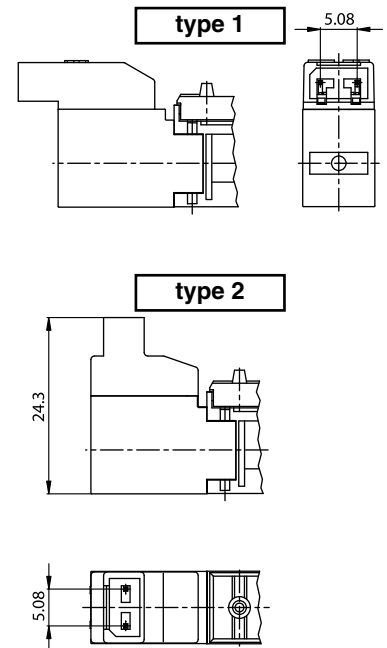
cat.no. 51801002, 51801004, 51801021

weight	
spool-valve	1 connector
0,023	0,005

1 = pressure
2,4 = outlets
3,5 = exhausts



ELECTRICAL CONNECTION

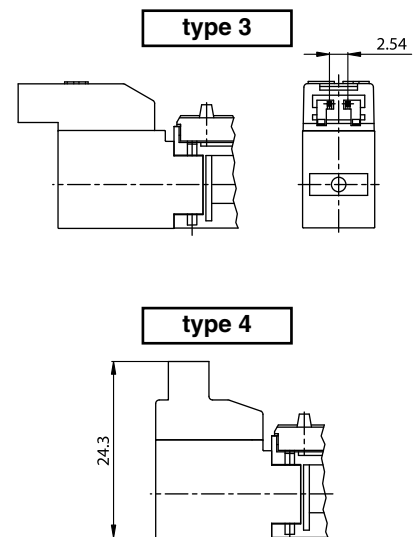
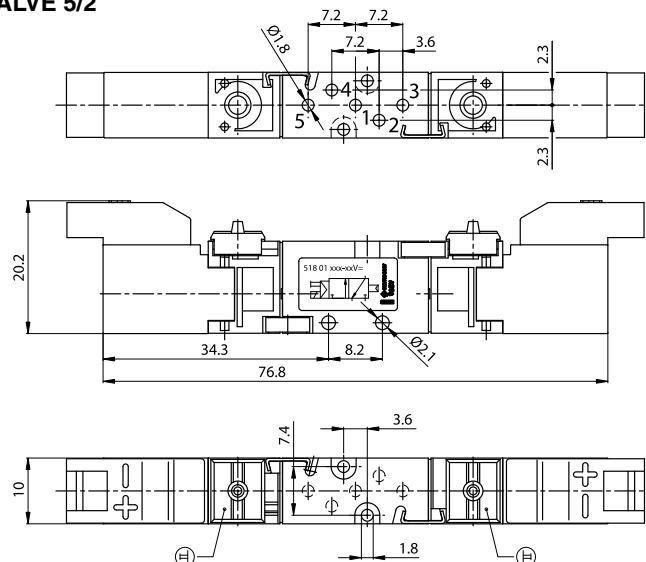


IMPULSE MICRO SPOOL-VALVE 5/2

cat.no. 51801023

weight	
spool-valve	2 connectors
0,037	0,010

1 = pressure
2,4 = outlets
3,5 = exhausts

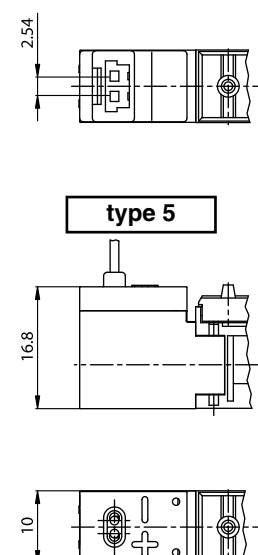
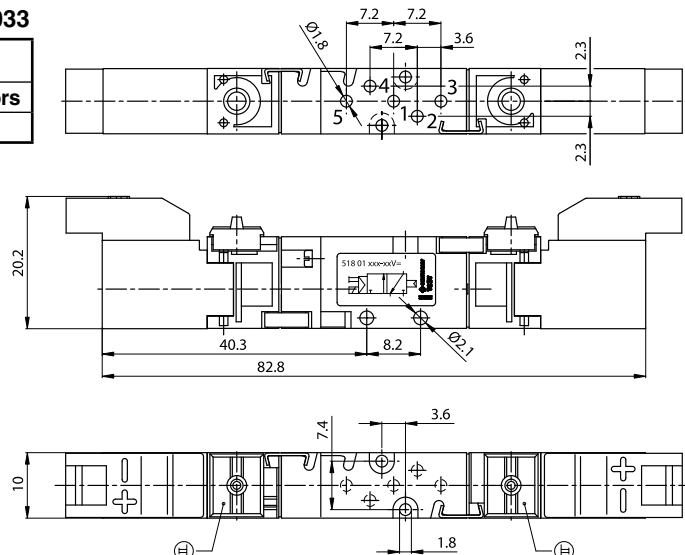


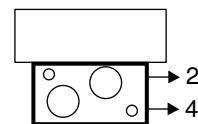
MICRO SPOOL-VALVES 5/3

cat.no. 51801031, 51801033

weight	
spool-valve	2 connectors
0,040	0,010

1 = pressure
2,4 = outlets
3,5 = exhausts





CONSTRUCTION

Utilization connector (2-4)

ØM5 (on sides)

Material

Light alloy

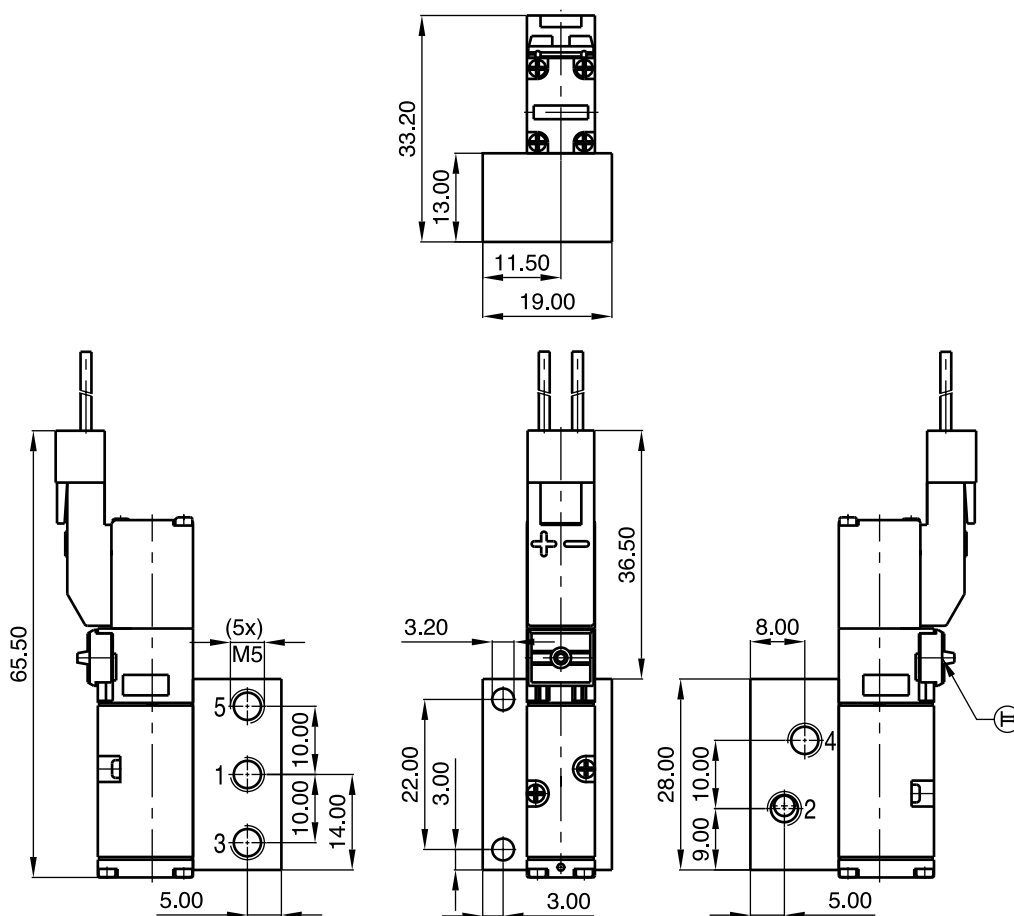
SUBBASES IDENTIFICATION - WEIGHT (kg)

subbase type	no. of spool valves	subbase code	subbase weight	port connection				
				1	3	5	2-4	82-84
single subbase	1	35500251	0,016	M5	M5	M5	M5	M3
multiple subbases	2	35500252	0,092	G 1/8	-	G 1/8	M5	M5
	3	35500253	0,120					
	4	35500254	0,142					
	5	35500255	0,165					
	6	35500256	0,190					
	7	35500257	0,213					
	8	35500258	0,236					
	9	35500259	0,260					
	10	35500260	0,284					

Blanking plate: cat.no. 88135533

DIMENSIONS (mm)

3/2 - 5/2 - 5/3 SPOOL-VALVES ON SIMPLE SUBBASE (cat.no. 35500251)



DIMENSIONS (mm), WEIGHT (kg)

3/2 - 5/2 - 5/3 SPOOL-VALVES ON **MULTIPLE** SUBBASE

Solenoid operated micro spool valves subbase

subbase catalogue number	no. of spool valves	length		subbase weight
		L1	L2	
35500252	2	47,5	32,5	0,092
35500253	3	58	43	0,120
35500254	4	68,5	53,5	0,142
35500255	5	79	64	0,165
35500256	6	89,5	74,5	0,190
35500257	7	100	85	0,213
35500258	8	110,5	95,5	0,236
35500259	9	121	106	0,260
35500260	10	131,5	116,5	0,284

A: Blanking plate: **cat.no. 88135533**

