

MINIVALVES, MECHANICALLY AND HAND OPERATED SERIES VME

- Minivalves with 3/2 NO NC poppet,
- Installation in any position
- Push-in fittings for pipe Ø 4 mm and M5
- Low actuation force
- Rapid, accurate signal
- Mechanical actuation
- The 2 places adapter allows manual actuation of 1 or 2 VME valves with manual Ø 22 panel actuators. Thus it is possible to obtain 3/2, 5/2, 5/3 open centre and 5/3 pressure centre pneumatic functions.
- On request, it is possible to place a NC-NO electric switch next to VME valve for mixed solenoid/pneumatic signals.

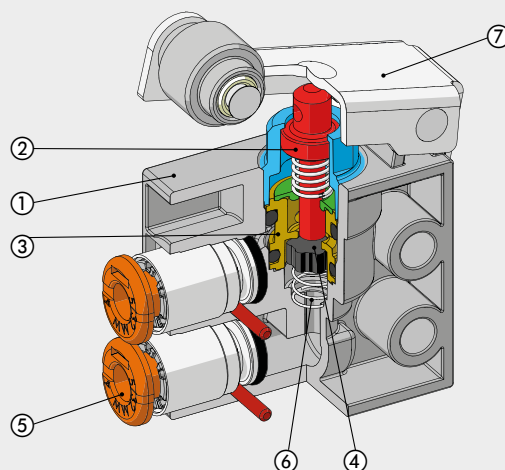


TECHNICAL DATA

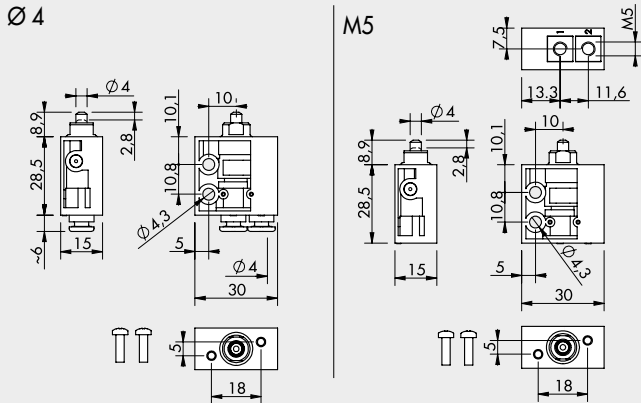
Valve fitting port		Push-in fitting for pipe diam. 4 and M5 (axial or side)
Fluid		Filtered air without lubrication; lubrication, if used, must be continuous
Type		With poppet
Versions		Mechanical and manual
Operators:		With Plunger – Plunger for wall-mounting – Roller lever – Unidirectional roller lever
mechanical		Depending on the type of actuation panel selected
manual		0.6
Thread forming torque of the self-tapping screws for the plunger version	Nm	0.5 to 10
Operating pressure	bar	-10° to +60
Operating temperature range	°C	2.5
Nominal diameter	mm	16.5
Conductance C	NI/min · bar	0.03
Critical ratio b	bar/bar	35
Flow rate at 6 bar ΔP 0.5 bar	NI/min	60
Flow rate at 6 bar ΔP 1 bar	NI/min	8
Actuation force – Plunger at 6 Bar	N	In any position
Installation		See chapter Z1
Compatibility with oils		

COMPONENTS

- ① VALVE BODY: technopolymer
- ② BUTTON: chemically nickel-plated brass
- ③ DISTANCE PLATES: brass
- ④ GASKETS: NBR
- ⑤ PUSH-IN FITTING CARTRIDGES: stainless steel, brass and plastic
- ⑥ SPRINGS: stainless steel
- ⑦ LEVER: nickel-plated steel

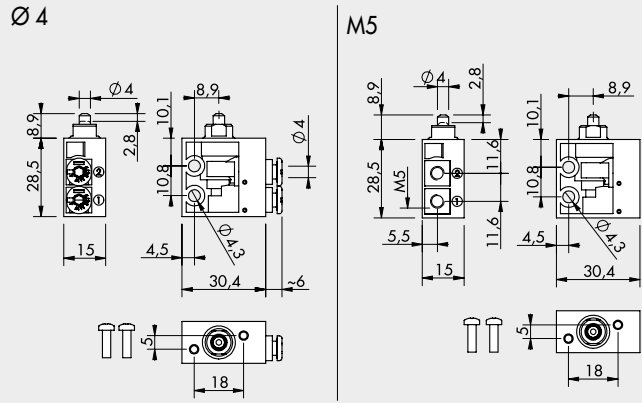


PLUNGER 3/2 NO - AXIAL FITTINGS



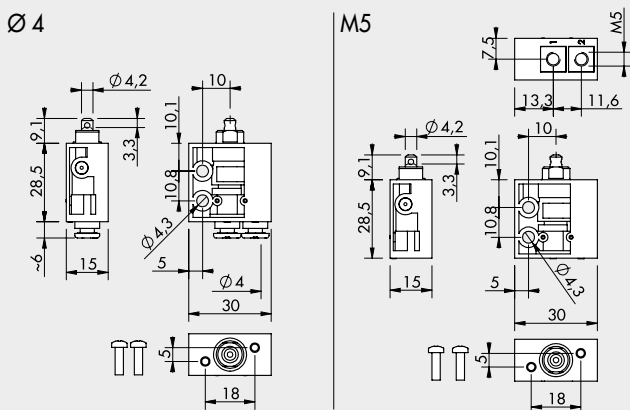
Symbol	Code	Description	Weight [g]
	W3501000101	VME1-10 NO Ø 4	22
	W3501000110	VME1-16 NO M5	24

PLUNGER 3/2 NO - SIDE FITTINGS



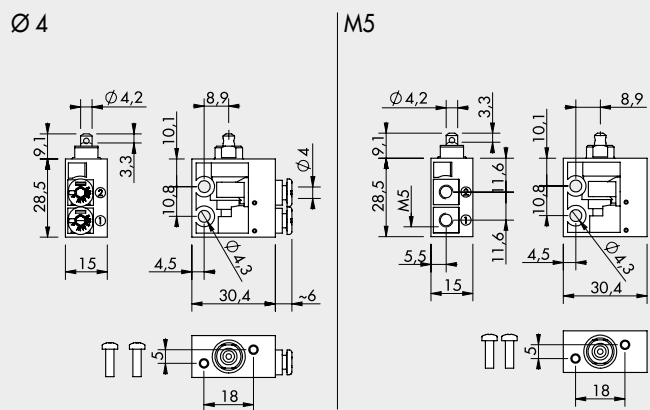
Symbol	Code	Description	Weight [g]
	W3501001100	VME2-00 NO Ø 4	22
	W3501001110	VME2-10 NO M5	24

PLUNGER 3/2 NC - AXIAL FITTINGS



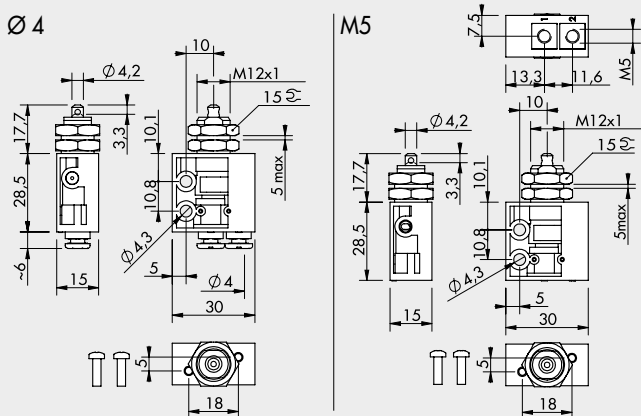
Symbol	Code	Description	Weight [g]
	W3501000100	VME1-01 NC Ø 4	22
	W3501000111	VME1-11 NC M5	24

PLUNGER 3/2 NC - SIDE FITTINGS



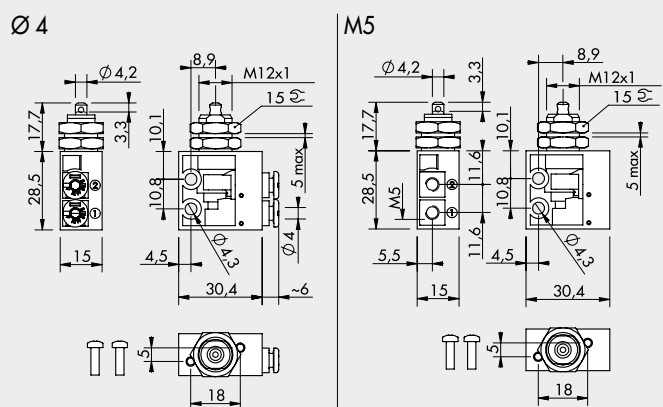
Symbol	Code	Description	Weight [g]
	W3501001101	VME2-01 NC Ø 4	22
	W3501001111	VME2-11 NC M5	24

PLUNGER FOR WALL MOUNTING, 3/2 NC - AXIAL FITTINGS



Symbol	Code	Description	Weight [g]
	W3501000400	VME1-04 NC Ø 4	36
	W3501000411	VME1-14 NC M5	38

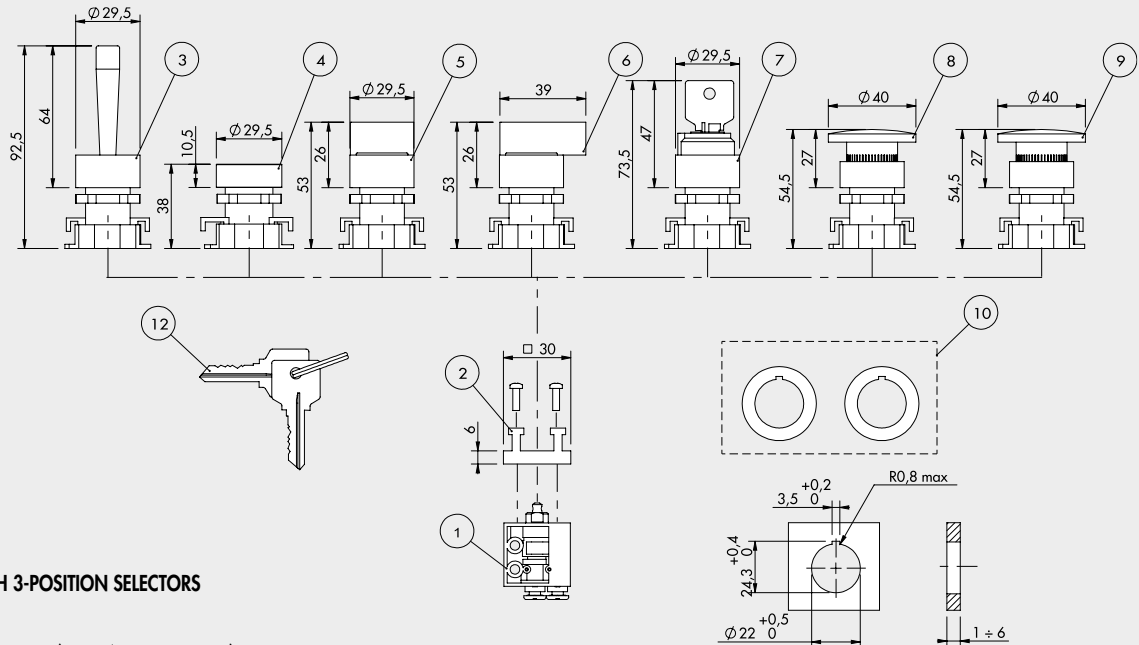
PLUNGER FOR WALL MOUNTING, 3/2 NC - SIDE FITTINGS



Symbol	Code	Description	Weight [g]
	W3501001401	VME2-04 NC Ø 4	36
	W3501001411	VME2-14 NC M5	38

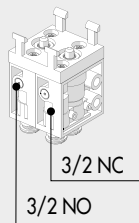
Symbol	Code	Description	Weight [g]
	W3501001201	VME2-02 NC Ø 4	36
	W3501001211	VME2-12 NC M5	38

MANUAL VME VALVES – ASSEMBLY DIAGRAM



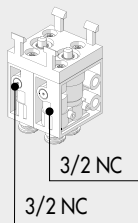
WITH 2-POSITION SELECTORS

Functions 5/2

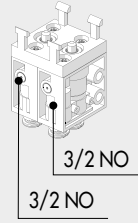


WITH 3-POSITION SELECTORS

Functions 5/3
open centers



Functions 5/3
pressure centers



NOTES:

- For VME valve bodies in technopolymer, use the self-tapping screws supplied with the valve.
- For before modification VME valve bodies (aluminum version), use the M3 screws supplied with the selector or button kit.

ORDERING CODES

Rif.	Symbol	Code	Description	Weight [g]
①		W3501000100	3/2 NC Axial fittings Ø 4	22
		W3501000111	3/2 NC Axial fittings M5	24
		W3501001101	3/2 NC Side fittings Ø 4	22
		W3501001111	3/2 NC Side fittings M5	24
		W3501000101	3/2 NO Axial fittings Ø 4	22
		W3501000110	3/2 NO Axial fittings M5	24
①		W3501001100	3/2 NO Side fittings Ø 4	22
		W3501001110	3/2 NO Side fittings M5	24
②		0351000050	2 places adaptor thickness 6.8 mm	5
③		W0351000015	Red handler with horizontally pivoted leve	25
④		W0351000011	Fat push button + 2 red/black coloured disks	15
		W0351000056	Green disk for push button ④	
⑤		W0351000030	Black selector short lever at 2 positions with return	20
		W0351000031	Black selector short lever at 2 positions	20

Rif.	Symbol	Code	Description	Weight [g]
⑤		W0351000032	Black selector short lever at 3 positions with return	20
		W0351000033	Black selector short lever at 3 positions	20
⑥		W0351000034	Black selector long lever at 2 positions with return	26
		W0351000035	Black selector long lever at 2 positions	26
⑥		W0351000036	Black selector long lever at 3 positions with return	26
		W0351000037	Black selector long lever at 3 positions	26
⑦		W0351000016	2 positions key selector with extractable key in 2 positions	50
		W0351000018	2 positions key selector with extractable key in 0	50
⑧		W0351000013	Red mushroom-head push button Ø 40	27
		W0351000017	Black mushroom-head push button Ø 40	27
⑨		W0351000014	Red mushroom-head push button with lock Ø 40	29
⑩		W0351000049	Reducer from 30 to 22.5 mm	
⑫		W0351000021	Key for ESC selectors	