



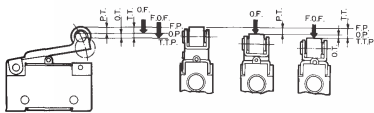
SERIES VM100
3/2 N.C. MECHANICAL VALVE 1/8

- ✓ 3/2 normally closed valve (& 5/3 twist selector)
- ✓ 17 different actuators
- ✓ Cv 0.14 flow

TECHNICAL SPECIFICATIONS

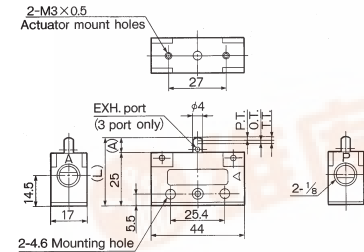
Piping	Side piping
Fluid	Air
Operating pressure	10 Torr ~ 9.9 Bar
Ambient and fluid temperature	5 ~ 60°C
Effective orifice (Cv factor)	2.5mm ² (0.14)
Lubrication	Non lube
Port size	1/8 (side piping)

KEY TO DIMENSIONAL TABLES



- F.O.F. (Full Operating Force) ...Required force to total travel position
- P.T. (Pre Travel) ...From free position to initial valve opening position
- O.T. (Over Travel) ...From initial valve opening position to total travel position
- T.T. (Total Travel) ...From free position to total travel position

DIMENSIONS
VM100 BASIC VALVE



F.O.F*	20N
P.T.	1.5mm
O.T.	1.5mm
T.T.	3mm

HOW TO ORDER
VM100 ACTUATOR ONLY

.....PART NO. APPLICATION

MECHANICAL OPERATION	
Basic	
Roller lever	Polyacetal roller
One way trip	Polyacetal roller
Straight plunger	VM-05B
Roller plunger	VM-06B
Cross roller plunger	VM-07B
Cross roller plunger	VM-06BS
Cross roller plunger	Hardened Steel Roller

MANUAL OPERATION

Toggle	VM-08B	
Push Button-Mushroom	VM-30AR	Red
Push Button-Mushroom	VM-30AB	Black
Push Button-Mushroom	VM-30AG	Green
Push button-Extended	VM-32AR	Red
Push button-Extended	VM-32AB	Black
Push button-Extended	VM-32AG	Green
Push button-Flush	VM-33A	
Twist selector	VM-34AR	Red
Twist selector	VM-34AB	Black
Twist selector	VM-34AG	Green
Key selector	VM-36A	
5/3 twist selector		Red
5/3 twist selector		Black
5/3 twist selector		Green

HOW TO ORDER
VM100 VALVE

.....PART NO. APPLICATION

VALVE TYPE	
3	3/2
5	5/3 (Actuator 35 only)
PLUNGER LENGTH	
0	Standard
1	Short (for Actuator Types 00,01,02,35)

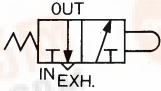
ACTUATOR	
00	Basic type
01	Roller lever
01S	Roller lever hard steel roller
02	One way trip
02S	One way trip hard steel roller
05	Straight plunger
06	Roller plunger
06S	Roller plunger hard steel roller
07	Cross roller plunger
07S	Cross roller plunger hard steel roller
08	Toggle
30	Push Button-Mushroom
32	Push button-Extended
33	Push button-Flush
34	Twist selector
35	5/3 twist selector
36	Key selector

PUSH BUTTON COLOUR	
R	Red
G	Green
B	Black

STOCKED PRODUCTS

FOR A LIST OF STOCKED PRODUCTS, PLEASE SEE THE CURRENT SMC PRICE LIST

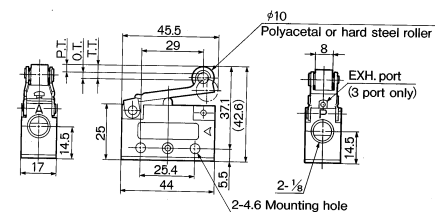
SYMBOLS
VM100 BASIC VALVE



If these valves are used for guarding or safety interlock systems, installation and application should be as per BS5304: 1988. Careful note should be taken of the operating principles and design of different ranges of mechanical valves when specifying valves for safety related systems.

DIMENSIONS

VM100 ROLLER LEVER

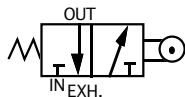


F.O.F*	10N
P.T.	3.2mm
O.T.	2.3mm
T.T.	5.5mm

*5 Bar supply

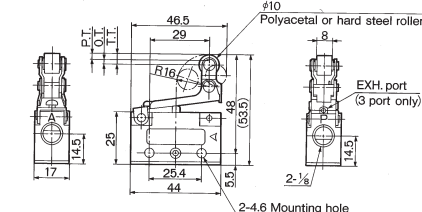
SYMBOLS

VM100 ROLLER LEVER



DIMENSIONS

VM100 ONE WAY TRIP

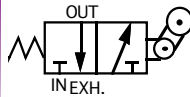


F.O.F*	10N
P.T.	3.2mm
O.T.	2.3mm
T.T.	5.5mm

*5 Bar supply

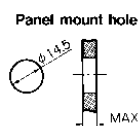
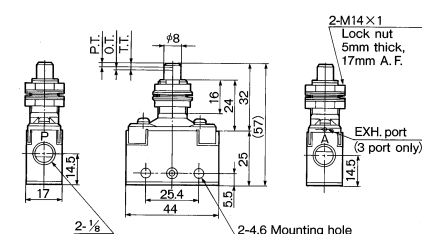
SYMBOLS

VM100 ONE WAY TRIP



DIMENSIONS

VM100 STRAIGHT PLUNGER

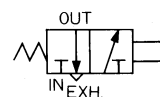


F.O.F*	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

*5 Bar supply

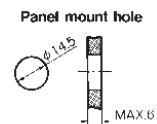
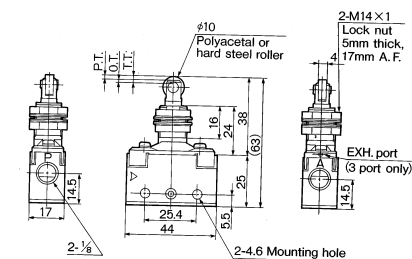
SYMBOLS

VM100 STRAIGHT PLUNGER



DIMENSIONS

VM100 ROLLER PLUNGER

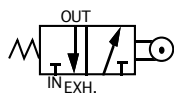


F.O.F*	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

*5 Bar supply

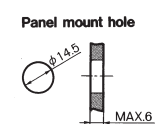
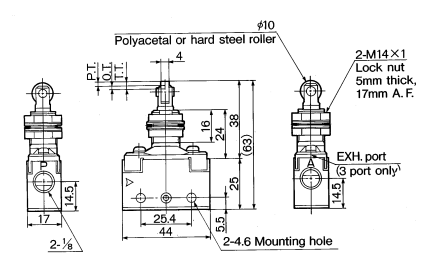
SYMBOLS

VM100 ROLLER PLUNGER



DIMENSIONS

VM100 CROSS ROLLER PLUNGER

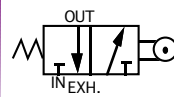


F.O.F*	23N
P.T.	2mm
O.T.	1.5mm
T.T.	3.5mm

*5 Bar supply

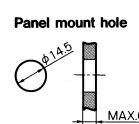
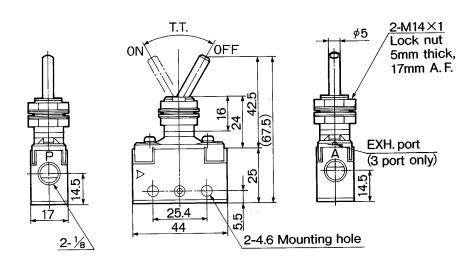
SYMBOLS

VM100 CROSS ROLLER PLUNGER



DIMENSIONS

VM100 TOGGLE LEVER

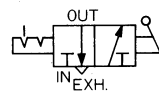


F.O.F*	10N
T.T.	60°

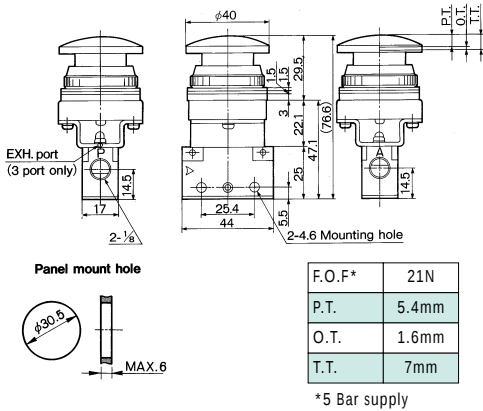
*5 Bar supply

SYMBOLS

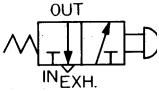
VM100 TOGGLE LEVER



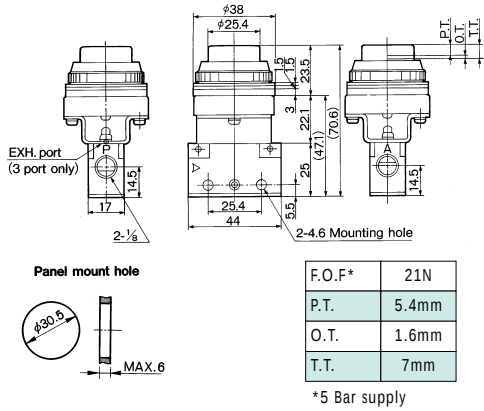
DIMENSIONS
VM100 PUSH BUTTON-MUSHROOM



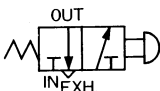
SYMBOLS
VM100 PUSH BUTTON-MUSHROOM



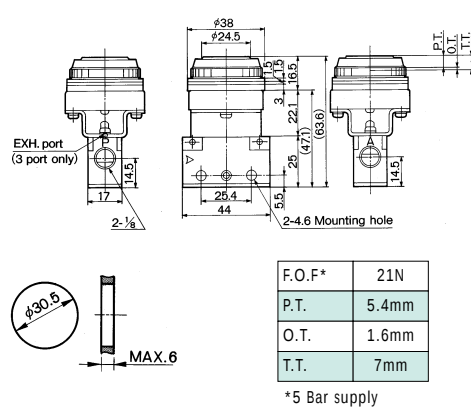
DIMENSIONS
VM100 PUSH BUTTON-EXTENDED



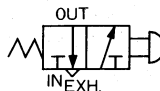
SYMBOLS
VM100 PUSH BUTTON-EXTENDED



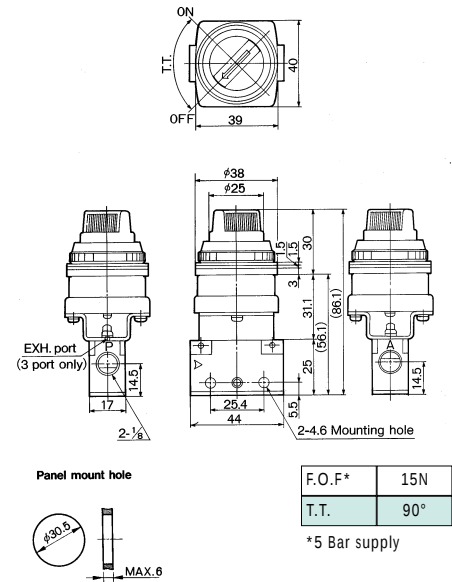
DIMENSIONS
VM100 PUSH BUTTON-FLUSH



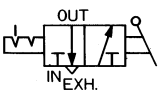
SYMBOLS
VM100 PUSH BUTTON-FLUSH



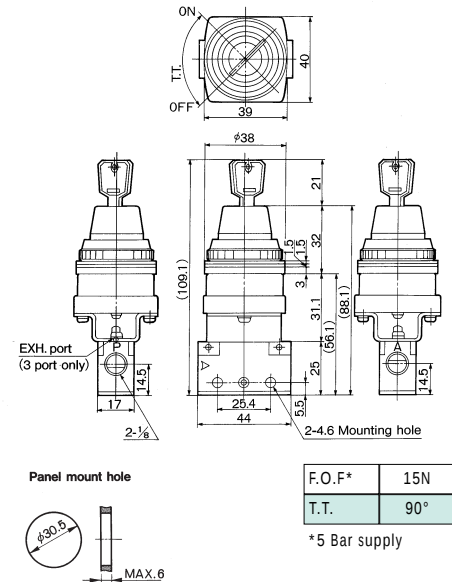
DIMENSIONS
VM100 TWIST SELECTOR-2 POSITION



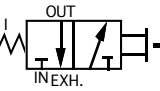
SYMBOLS
VM100 TWIST SELECTOR-2 POSITION



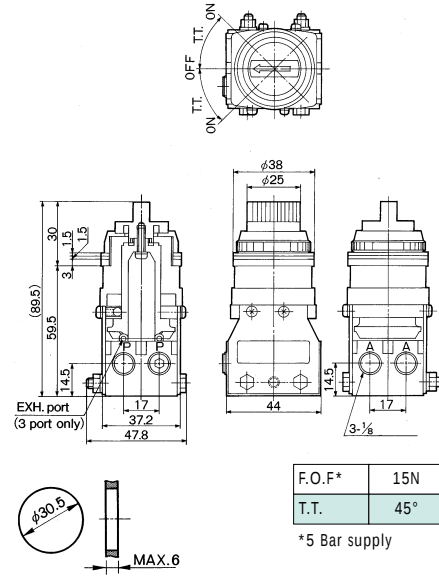
DIMENSIONS
VM100 KEY SELECTOR-2 POSITION



SYMBOLS
VM100 KEY SELECTOR-2 POSITION



DIMENSIONS
VM100 5/3 TWIST SELECTOR



SYMBOLS
VM100 5/3 TWIST SELECTOR

