

3/2 MECHANICAL VALVE 1/4 PORT SERIES VM200

- ✓ 3/2 normally closed valve (& 5/3 twist selector)
- ✓ Variety of different actuators
- ✓ Cv 1.0 high flow



TECHNICAL SPECIFICATIONS

Fluid	Air
Operation pressure	0 ~ 9.9 Bar
Fluid temperature	5 ~ 60°C
Effective orifice (Cv factor)	19mm ² (1.0)
Recommended lubricant	Turbine oil #1 (ISO VG32)
Port size	1/4

How To ORDER VM200 VALVE

VM2 0 — 02 —

VALVE TYPE

- 33/2
- 55/3 (Actuator 35 only)

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 (2 position)
- 35 ...Twist selector (3 position)
- 36 ...Key selector
- 40 ...Foot pedal

PUSH BUTTON COLOUR

- RRed
- GGreen
- BBlack

How To ORDER

VM200 ACTUATOR ONLY

..... PART NO. APPLICATION

MECHANICAL OPERATION

- Basic.....
- Roller lever VM-01A Polyacetal roller
- Roller lever VM-01AS Hardened Steel Roller
- One way trip VM-02A Polyacetal roller
- One way trip VM-02AS Hardened Steel Roller
- Straight plunger VM-05A Polyacetal roller
- Roller plunger VM-06A Polyacetal roller
- Roller plunger VM-06AS Hardened Steel Roller
- Cross roller plunger VM-07A Polyacetal roller
- Cross roller plunger VM-07AS Hardened Steel Roller

MANUAL OPERATION

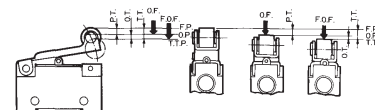
- Toggle VM-08A Red
- Push Button-Mushroom VM-30AR Red
- Push Button-Mushroom VM-30AB Black
- Push Button-Mushroom VM-30AG Green
- Push button-Extended VM-32AR Red
- Push button-Extended VM-32AB Black
- Push button-Extended VM-32AG Green
- Push button-Flush VM-33A All colours
- Twist selector VM-34AR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



SAFETY

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.

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

STOCKED PRODUCTS

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

DIMENSIONS
SEE NEXT PAGE

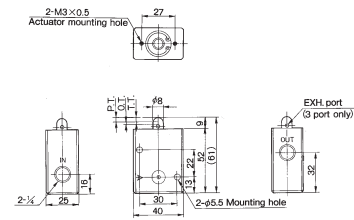


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DETAILS OF YOUR LOCAL SALES OFFICE



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E104

DIMENSIONS
VM200 BASIC VALVE

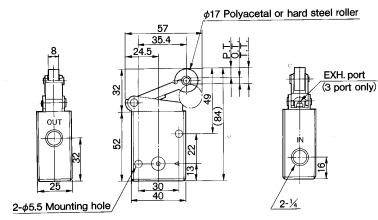


SYMBOLS
VM200 BASIC VALVE

F.O.F*	52N
P.T.	3mm
O.T.	2mm
T.T.	5mm

*5 Bar supply

DIMENSIONS
VM200 ROLLER LEVER

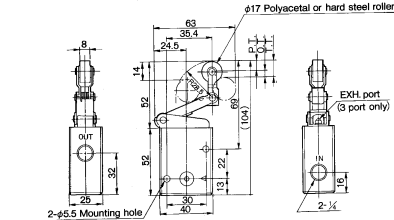


SYMBOLS
VM200 ROLLER LEVER

F.O.F*	24N
P.T.	6.5mm
O.T.	4.5mm
T.T.	11mm

*5 Bar supply

DIMENSIONS
VM200 ONE WAY TRIP

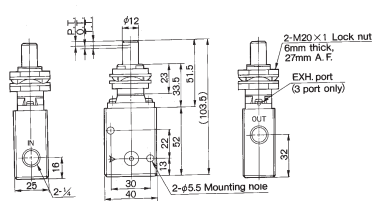


SYMBOLS
VM200 ONE WAY TRIP

F.O.F*	22N
P.T.	7mm
O.T.	5mm
T.T.	12mm

*5 Bar supply

DIMENSIONS
VM200 STRAIGHT PLUNGER



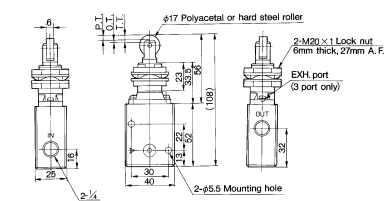
Panel mount hole

F.O.F*	56N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

*5 Bar supply

SYMBOLS
VM200 STRAIGHT PLUNGER

DIMENSIONS
VM200 ROLLER PLUNGER



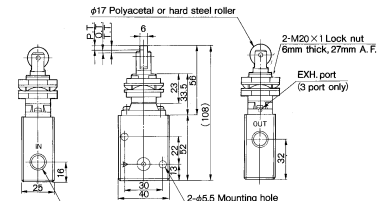
Panel mount hole

F.O.F*	56N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

*5 Bar supply

SYMBOLS
VM200 ROLLER PLUNGER

DIMENSIONS
VM200 CROSS ROLLER PLUNGER



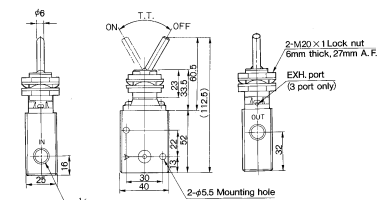
Panel mount hole

F.O.F*	56N
P.T.	3.5mm
O.T.	2mm
T.T.	5.5mm

*5 Bar supply

SYMBOLS
VM200 CROSS ROLLER PLUNGER

DIMENSIONS
VM200 TOGGLE LEVER



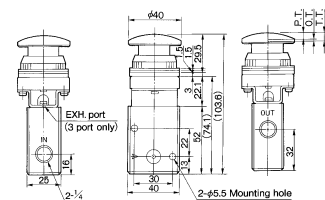
Panel mount hole

F.O.F*	52N
T.T.	5mm

*5 Bar supply

SYMBOLS
VM200 TOGGLE LEVER

DIMENSIONS
VM200 PUSH BUTTON-MUSHROOM



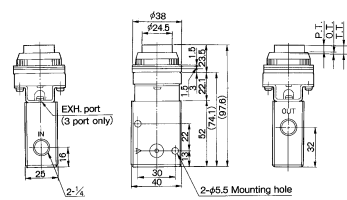
Panel mount hole

F.O.F*	52N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

*5 Bar supply

SYMBOLS
VM200 PUSH BUTTON-MUSHROOM

DIMENSIONS
VM200 PUSH BUTTON-EXTENDED



Panel mount hole

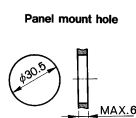
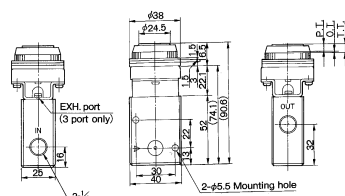
F.O.F*	52N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

*5 Bar supply

SYMBOLS
VM200 PUSH BUTTON-EXTENDED

DIMENSIONS

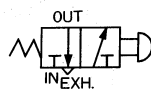
VM200 PUSH BUTTON-FLUSH



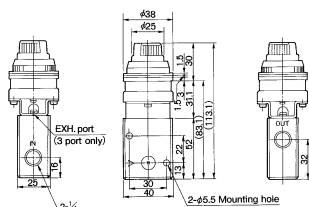
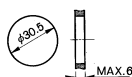
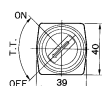
F.O.F*	52N
P.T.	4.9mm
O.T.	1.6mm
T.T.	6.5mm

*5 Bar supply

SYMBOLS
VM200 PUSH BUTTON-FLUSH



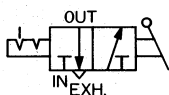
DIMENSIONS
VM200 TWIST SELECTOR - 2 POSITION



F.O.F*	32N
T.T.	90°

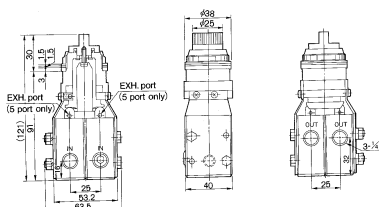
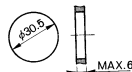
*5 Bar supply

SYMBOLS
VM200 TWIST SELECTOR - 2 POSITION



DIMENSIONS

VM200 TWIST SELECTOR - 3 POSITION



F.O.F*	40N
T.T.	45°

*5 Bar supply

SYMBOLS

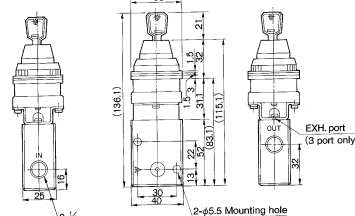
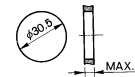
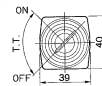
EXH. IN EXH.

VM200 TWIST SELECTOR - 3 POSITION



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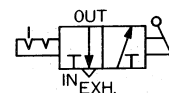
DIMENSIONS
VM200 KEY SELECTOR - 2 POSITION



F.O.F*	32N
T.T.	90°

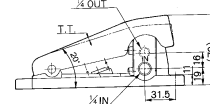
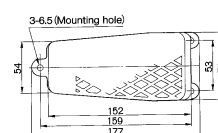
*5 Bar supply

SYMBOLS
VM200 KEY SELECTOR - 2 POSITION



DIMENSIONS

VM200 FOOT PEDAL



F.O.F*	65N
T.T.	1.2°

*5 Bar supply

SYMBOLS
VM200 FOOT PEDAL

