

# 2/3 Port Mechanical Valves

## Series **EVM100/200/400\***

### (VM100/200/400)\*

\*The product variant for use in Europe is the EVM type, with parallel ports. However, the VM type may also be encountered. This is the product used outside Europe and is identical except for having Rc (taper) port threads.

#### Features

- ➔ 3 Series, EVM100, EVM200 and EVM400.
- ➔ 2 port and 3 port functions.
- ➔ Wide variety of replaceable operating heads.
- ➔ Compact designs.

#### How to Order

**E VM 1 3 1 - F01 - 01 S**

Thread type  
E G thread

Valve type  
1 EVM100 (M5, 1/8)  
2 EVM200 (1/4)  
4 EVM400 (1/8)

Port size  
M5 M5 (Female thread)  
F01 G 1/8  
F02 G 1/4  
(See details pages for combinations available)

Plunger length (VM100 only)  
0 Long  
1 Short

Actuator type  
00 Basic  
01 Roller lever  
02 One way roller lever  
05 Straight plunger  
06 Roller plunger  
07 Cross roller plunger  
08 Toggle lever  
30 Push button (Mushroom)  
32 Push button (Extended)  
33 Push button (Flush)  
34 Twist selector (2 position)  
36 Key selector (2 position)  
35 Twist selector (3 position)  
40 Foot Pedal  
(See details pages for combinations available)

Suffix for actuator  
S Hard steel roller  
R Red  
B Black  
G Green  
Y Yellow  
Colour of push button selector  
(See details pages for combinations available)

Number of ports  
2 2 port  
3 3 port  
5 5 port  
VM400 series only available in 3 port.

#### Specifications

| Piping                        | EVM100 Series                                                   | EVM200 Series      | EVM400 Series            |
|-------------------------------|-----------------------------------------------------------------|--------------------|--------------------------|
| Fluid                         | Air/Inert gas                                                   |                    |                          |
| Operating pressure            | -100 kPa to 1.0 MPa                                             | 0 to 1.0 MPa       | -100 kPa to 1.0 MPa      |
| Ambient and fluid temperature | -5 to 60°C (No freezing)                                        |                    |                          |
| Effective area                | 2.5 mm <sup>2</sup>                                             | 19 mm <sup>2</sup> | 7 mm <sup>2</sup>        |
| Lubrication                   | Not required (Use turbine oil Class 1 ISO VG32, if lubricated.) |                    |                          |
| Port size                     | 1/8                                                             | 1/4                | 1/8                      |
| Weight (Basic)                | 95 g                                                            | 111 g              | 110 g                    |
| Function                      | 2 port and 3 port                                               | 2 port and 3 port  | 3 port universal porting |

#### Also Available

➔ EVM100 Bottom ported types.



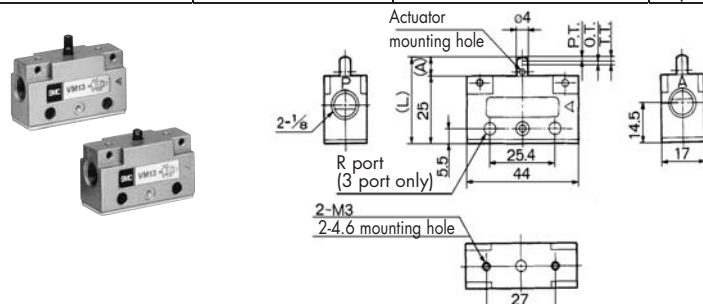
## How to order EVM100/200/400 Mechanical valves

For best delivery times, please order the parts highlighted bold in the following pages. The operating heads are supplied with screws for easy fixing to the base valves. Pre-assembled valves and operating heads are also available where shown but may be subject to extended delivery times. Some variants, for example roller lever, are only available as pre-assembled units

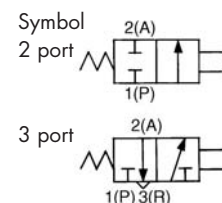
### Dimensions: Series EVM100

#### Basic

| Base valve           | Operating head | (Pre-Assembled unit) | Note                 |
|----------------------|----------------|----------------------|----------------------|
| <b>EVM120-F01-00</b> | N/A            | N/A                  | 2 port long plunger  |
| <b>EVM130-F01-00</b> | N/A            | N/A                  | 3 port long plunger  |
| <b>EVM121-F01-00</b> | N/A            | N/A                  | 2 port short plunger |
| <b>EVM131-F01-00</b> | N/A            | N/A                  | 3 port short plunger |

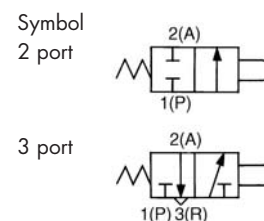
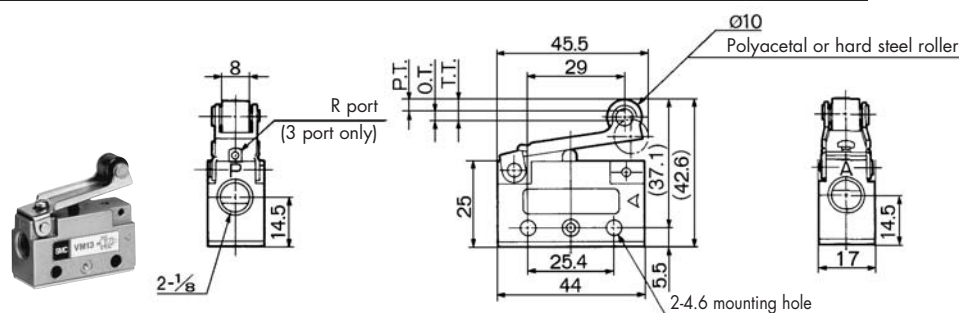


| Model                      | L    | A   |
|----------------------------|------|-----|
| VM120-01-00<br>VM130-01-00 | 32.5 | 7.5 |
| VM121-01-00<br>VM131-01-00 | 28.5 | 3.5 |



#### Roller lever

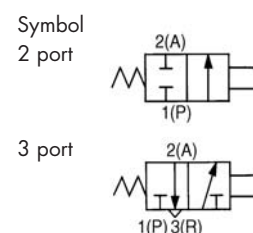
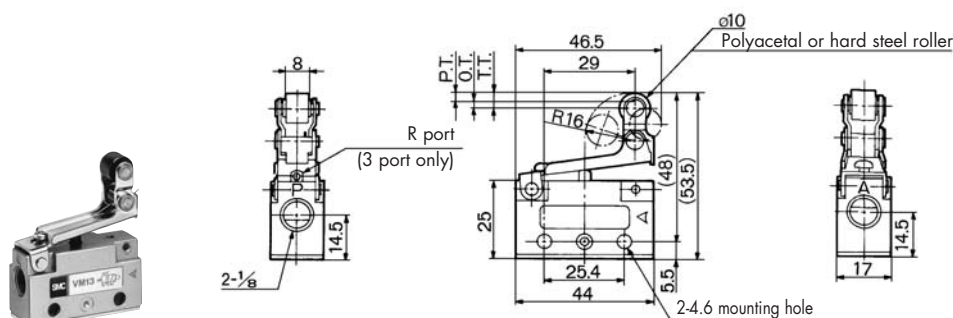
| Base valve | Operating head | <b>Pre-Assembled unit</b> | Note                |
|------------|----------------|---------------------------|---------------------|
| N/A        | N/A            | <b>EVM121-F01-01</b>      | 2 port              |
| N/A        | N/A            | <b>EVM131-F01-01</b>      | 3 port              |
| N/A        | N/A            | <b>EVM121-F01-01S</b>     | 2 port steel roller |
| N/A        | N/A            | <b>EVM131-F01-01S</b>     | 3 port steel roller |



|      |        |
|------|--------|
| P.T. | 3.2 mm |
| O.T. | 2.3 mm |
| T.T. | 5.5 mm |

#### One way roller lever

| Base valve | Operating head | <b>Pre-Assembled unit</b> | Note                |
|------------|----------------|---------------------------|---------------------|
| N/A        | N/A            | <b>EVM121-F01-02</b>      | 2 port              |
| N/A        | N/A            | <b>EVM131-F01-02</b>      | 3 port              |
| N/A        | N/A            | <b>EVM121-F01-02S</b>     | 2 port steel roller |
| N/A        | N/A            | <b>EVM131-F01-02S</b>     | 3 port steel roller |

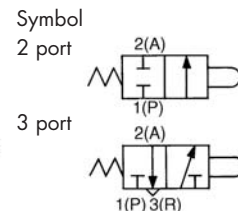
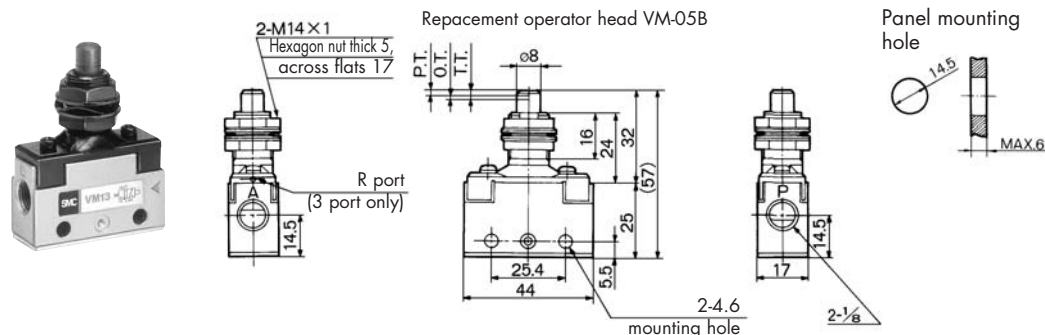


|      |        |
|------|--------|
| P.T. | 3.2 mm |
| O.T. | 2.3 mm |
| T.T. | 5.5 mm |

## Dimensions: Series EVM100

### Straight Plunger

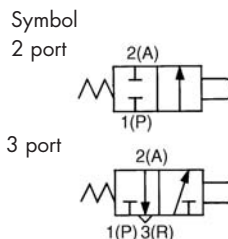
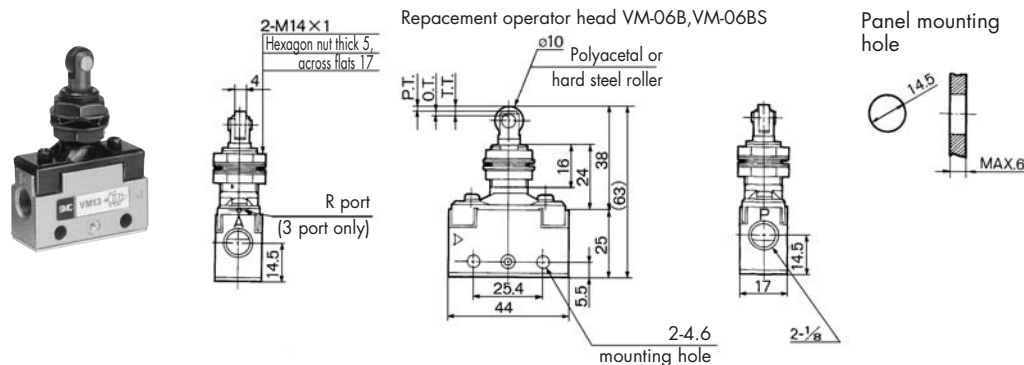
| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-05B</b>  | EVM120-F01-05        | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-05B</b>  | EVM130-F01-05        | 3 port |



|      |        |
|------|--------|
| P.T. | 2.0 mm |
| O.T. | 1.5 mm |
| T.T. | 3.5 mm |

### Roller Plunger

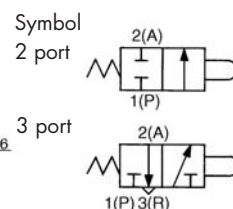
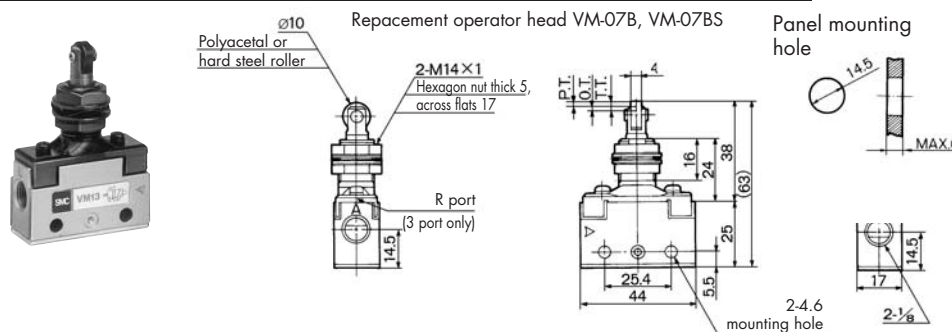
| Base valve           | Operating head | (Pre-Assembled unit) | Note                |
|----------------------|----------------|----------------------|---------------------|
| <b>EVM120-F01-00</b> | <b>VM-06B</b>  | EVM120-F01-06        | 2 port              |
| <b>EVM130-F01-00</b> | <b>VM-06B</b>  | EVM130-F01-06        | 3 port              |
| <b>EVM120-F01-00</b> | <b>VM-06BS</b> | EVM120-F01-06S       | 2 port steel roller |
| <b>EVM130-F01-00</b> | <b>VM-06BS</b> | EVM130-F01-06S       | 3 port steel roller |



|      |        |
|------|--------|
| P.T. | 2.0 mm |
| O.T. | 1.5 mm |
| T.T. | 3.5 mm |

### Cross roller plunger

| Base valve           | Operating head | (Pre-Assembled unit) | Note                |
|----------------------|----------------|----------------------|---------------------|
| <b>EVM120-F01-00</b> | <b>VM-07B</b>  | EVM120-F01-07        | 2 port              |
| <b>EVM130-F01-00</b> | <b>VM-07B</b>  | EVM130-F01-07        | 3 port              |
| <b>EVM120-F01-00</b> | <b>VM-07BS</b> | EVM120-F01-07S       | 2 port steel roller |
| <b>EVM130-F01-00</b> | <b>VM-07BS</b> | EVM130-F01-07S       | 3 port steel roller |

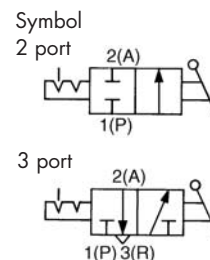
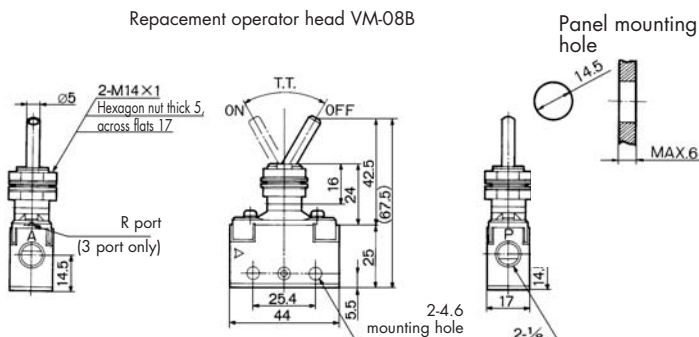


|      |        |
|------|--------|
| P.T. | 2 mm   |
| O.T. | 1.5 mm |
| T.T. | 3.5 mm |

Dimensions: Series EVM100

Toggle Lever

| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-08B</b>  | EVM120-F01-08        | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-08B</b>  | EVM130-F01-08        | 3 port |

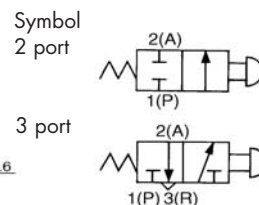
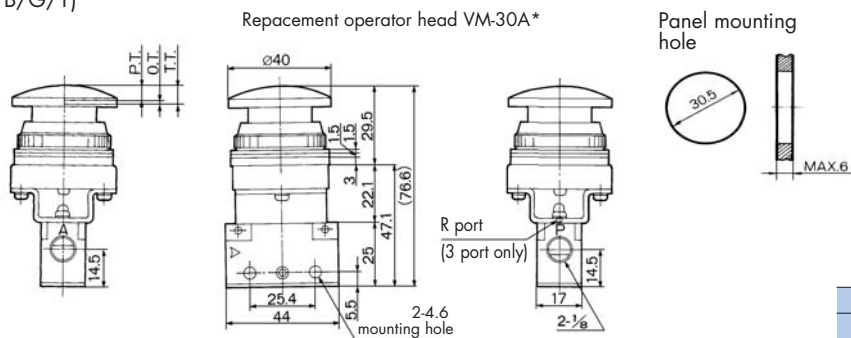


|      |     |
|------|-----|
| T.T. | 60° |
|------|-----|

Push button (mushroom)

| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-30A □</b> | EVM120-F01-30 □      | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-30A □</b> | EVM130-F01-30 □      | 3 port |

□ = Specify colour (R/B/G/Y)

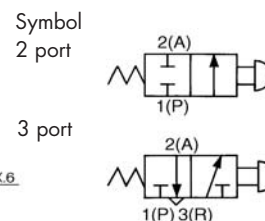
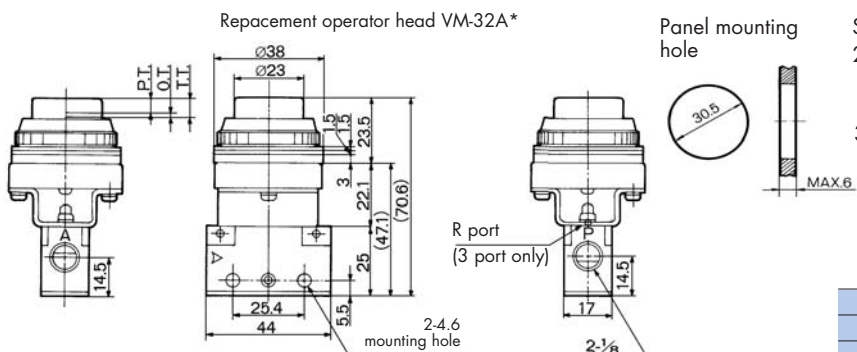


|      |        |
|------|--------|
| P.T. | 4.9 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

Push button (extended)

| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-32A □</b> | EVM120-F01-32 □      | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-32A □</b> | EVM130-F01-32 □      | 3 port |

□ = Specify colour (R/B/G/Y)



|      |        |
|------|--------|
| P.T. | 4.9 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

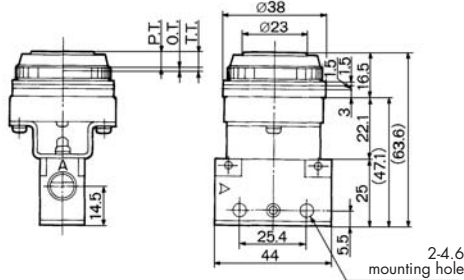


## Dimensions: Series EVM100

### Push Button (flush)

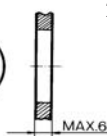
| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-33A</b>  | EVM120-F01-33        | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-33A</b>  | EVM130-F01-33        | 3 port |

Replacement operator head VM-33A



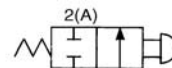
Nota: Supplied with four colour caps.

Panel mounting hole

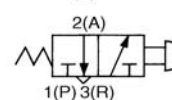


Symbol

2 port



3 port



|      |        |
|------|--------|
| P.T. | 4.9 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

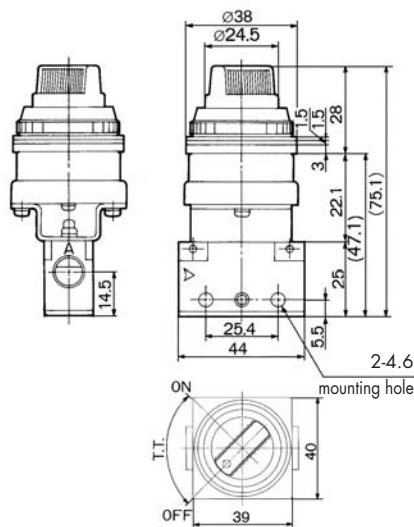
## Dimensions: Series EVM100/Side Ported

### Twist selector (2 position)

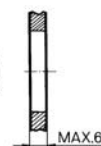
| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-34A □</b> | EVM120-F01-34 □      | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-34A □</b> | EVM130-F01-34 □      | 3 port |

□ = Specify colour (R/B/G/Y)

Replacement operator head VM-34A\*

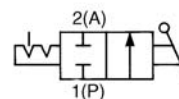


Panel mounting hole

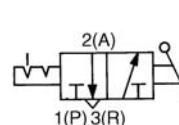


Symbol

2 port



3 port



|      |     |
|------|-----|
| T.T. | 90° |
|------|-----|

## Dimensions: Series EVM100/Side Ported

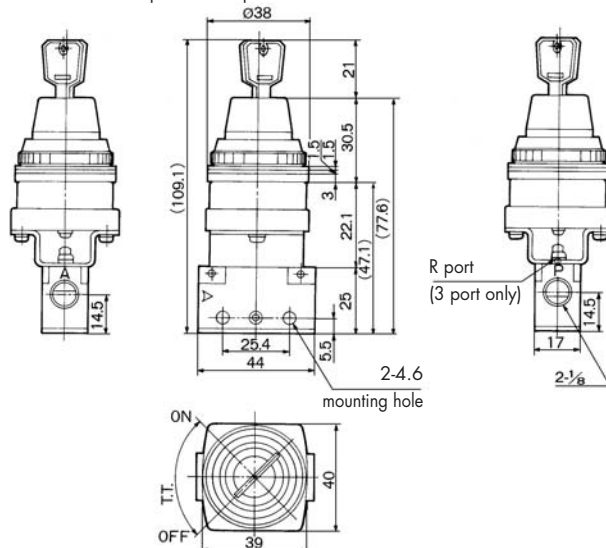
### Key Selector (2 position)

| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM120-F01-00</b> | <b>VM-36A</b>  | EVM120-F01-36        | 2 port |
| <b>EVM130-F01-00</b> | <b>VM-36A</b>  | EVM130-F01-36        | 3 port |

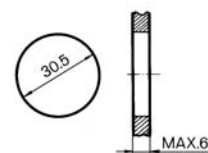
Replacement operator head VM-36A



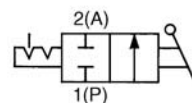
Note: Key can be removed at the "on" and "off" positions.



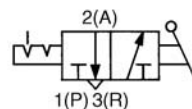
Panel mounting hole



Symbol  
2 port



3 port



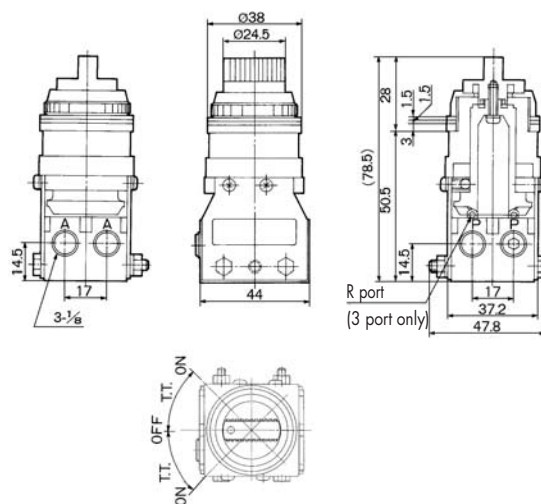
T.T.

90°

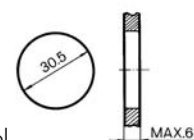
### Twist Selector (3 position)

| Base valve | Operating head | Pre-Assembled unit     | Note   |
|------------|----------------|------------------------|--------|
| N/A        | N/A            | <b>EVM131-F01-3 5□</b> | 3 port |
| N/A        | N/A            | <b>EVM151-F01-3 5□</b> | 5 port |

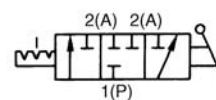
□ = Specify colour (R/B/G/Y)



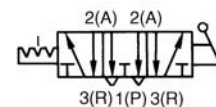
Panel mounting hole



Symbol  
3 port



5 port



T.T.

45°

Note: 3 port or 5 port function

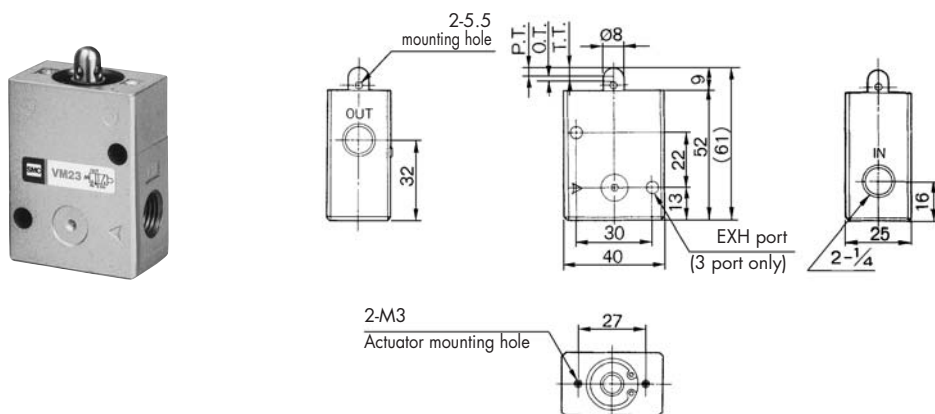
## How to order EVM100/200/400 Mechanical valves

For best delivery times, please order the parts highlighted bold in the following pages. The operating heads are supplied with screws for easy fixing to the base valves. Pre-assembled valves and operating heads are also available where shown but may be subject to extended delivery times. Some variants, for example roller lever, are only available as pre-assembled units

### Dimensions: Series EVM200

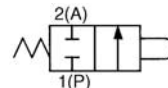
#### Basic

| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | N/A            | N/A                  | 2 port |
| <b>EVM230-F02-00</b> | N/A            | N/A                  | 3 port |

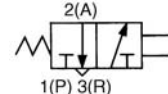


#### Symbol

2 port



3 port

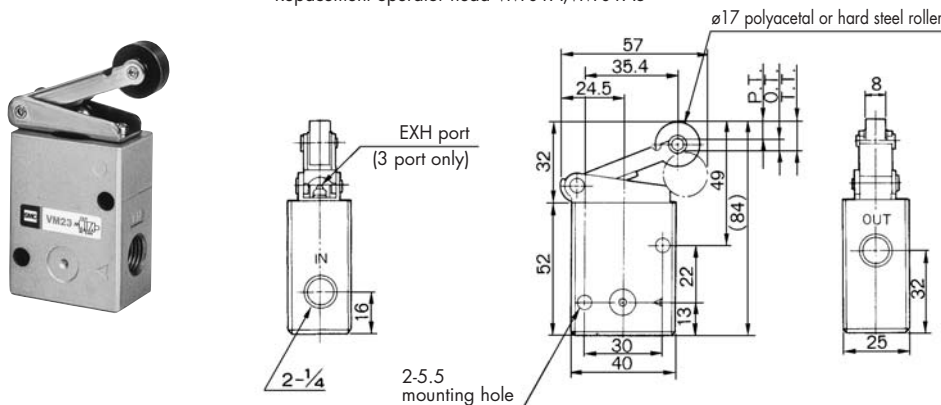


|      |        |
|------|--------|
| P.T. | 3.0 mm |
| O.T. | 2.0 mm |
| T.T. | 5.0 mm |

#### Roller lever

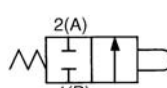
| Base valve | Operating head | <b>Pre-Assembled unit</b> | Note                |
|------------|----------------|---------------------------|---------------------|
| N/A        | N/A            | <b>EVM220-F02-01</b>      | 2 port              |
| N/A        | N/A            | <b>EVM230-F02-01</b>      | 3 port              |
| N/A        | N/A            | <b>EVM220-F02-01S</b>     | 2 port steel roller |
| N/A        | N/A            | <b>EVM230-F02-01S</b>     | 3 port steel roller |

Replacement operator head VM-01A, VM-01AS

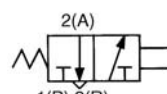


#### Symbol

2 port



3 port



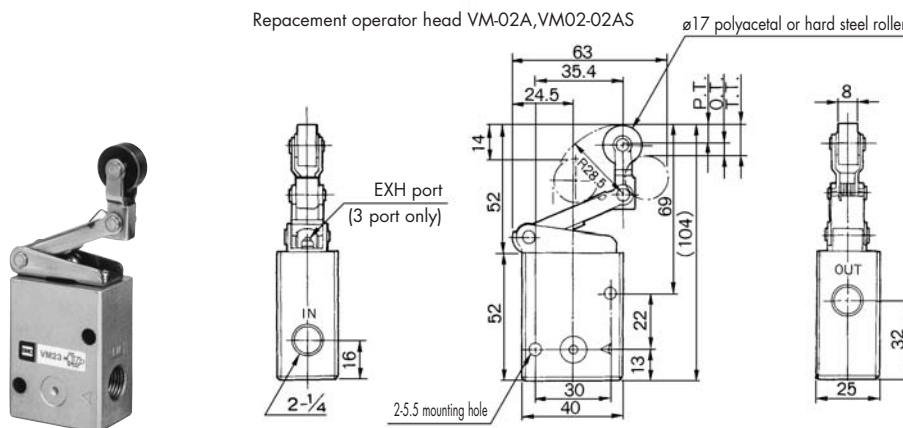
|      |         |
|------|---------|
| P.T. | 6.5 mm  |
| O.T. | 4.5 mm  |
| T.T. | 11.0 mm |

## Dimensions: Series EVM200

### One way roller lever

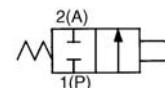
| Base valve | Operating head | Pre-Assembled unit    | Note                |
|------------|----------------|-----------------------|---------------------|
| N/A        | N/A            | <b>EVM220-F02-02</b>  | 2 port              |
| N/A        | N/A            | <b>EVM230-F02-02</b>  | 3 port              |
| N/A        | N/A            | <b>EVM220-F02-02S</b> | 2 port steel roller |
| N/A        | N/A            | <b>EVM230-F02-02S</b> | 3 port steel roller |

Replacement operator head VM-02A, VM02-02AS

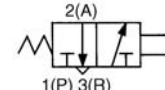


Symbol

2 port



3 port

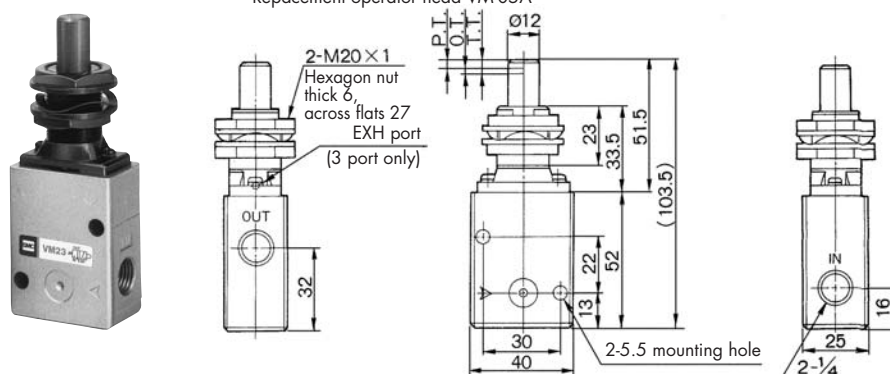


|      |         |
|------|---------|
| P.T. | 7.0 mm  |
| O.T. | 5.0 mm  |
| T.T. | 12.0 mm |

### Straight Plunger

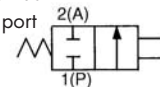
| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-05A</b>  | EVM220-F02-05        | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-05A</b>  | EVM230-F02-05        | 3 port |

Replacement operator head VM-05A

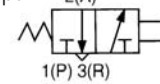


Symbol

2 port



3 port



Panel mount hole

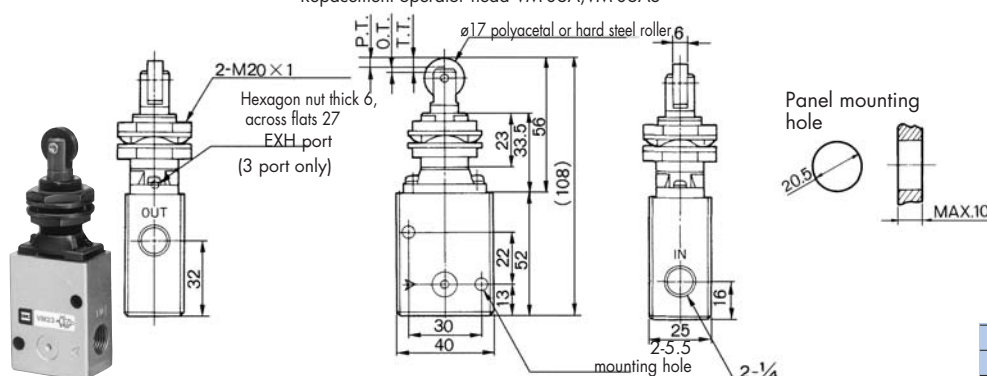


|      |        |
|------|--------|
| P.T. | 3.5 mm |
| O.T. | 2.0 mm |
| T.T. | 5.5 mm |

### Roller Plunger

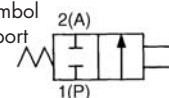
| Base valve           | Operating head | (Pre-Assembled unit) | Note                |
|----------------------|----------------|----------------------|---------------------|
| <b>EVM220-F02-00</b> | <b>VM-06A</b>  | EVM220-F02-06        | 2 port              |
| <b>EVM230-F02-00</b> | <b>VM-06A</b>  | EVM230-F02-06        | 3 port              |
| <b>EVM220-F02-00</b> | <b>VM-06AS</b> | EVM220-F02-06S       | 2 port steel roller |
| <b>EVM230-F02-00</b> | <b>VM-06AS</b> | EVM230-F02-06S       | 3 port steel roller |

Replacement operator head VM-06A, VM-06AS

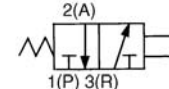


Symbol

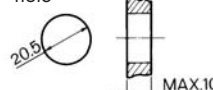
2 port



3 port



Panel mounting hole



|      |        |
|------|--------|
| P.T. | 3.5 mm |
| O.T. | 2.0 mm |
| T.T. | 5.5 mm |

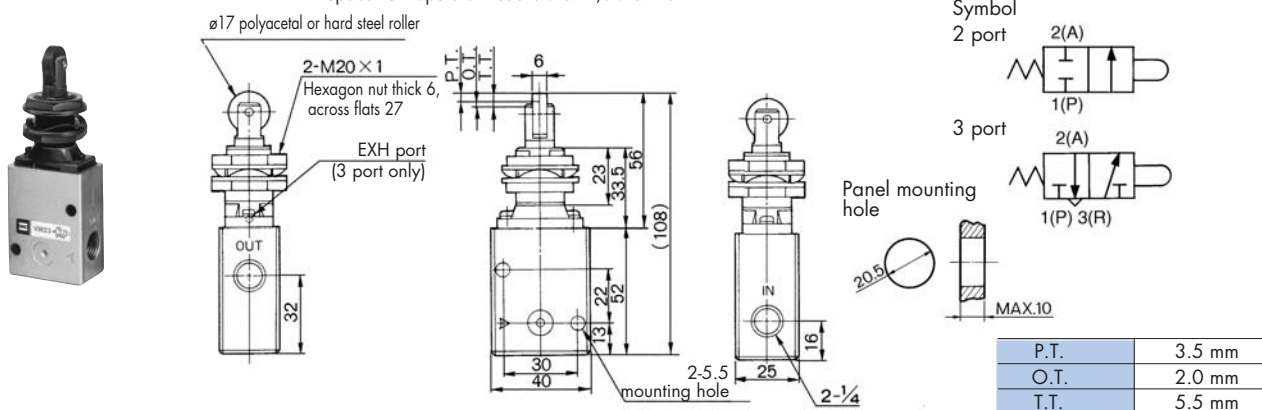


## Dimensions: Series EVM200

### Cross roller plunger

| Base valve           | Operating head | (Pre-Assembled unit) | Note                |
|----------------------|----------------|----------------------|---------------------|
| <b>EVM220-F02-00</b> | <b>VM-07A</b>  | EVM220-F02-07        | 2 port              |
| <b>EVM230-F02-00</b> | <b>VM-07A</b>  | EVM230-F02-07        | 3 port              |
| <b>EVM220-F02-00</b> | <b>VM-07AS</b> | EVM220-F02-07S       | 2 port steel roller |
| <b>EVM230-F02-00</b> | <b>VM-07AS</b> | EVM230-F02-07S       | 3 port steel roller |

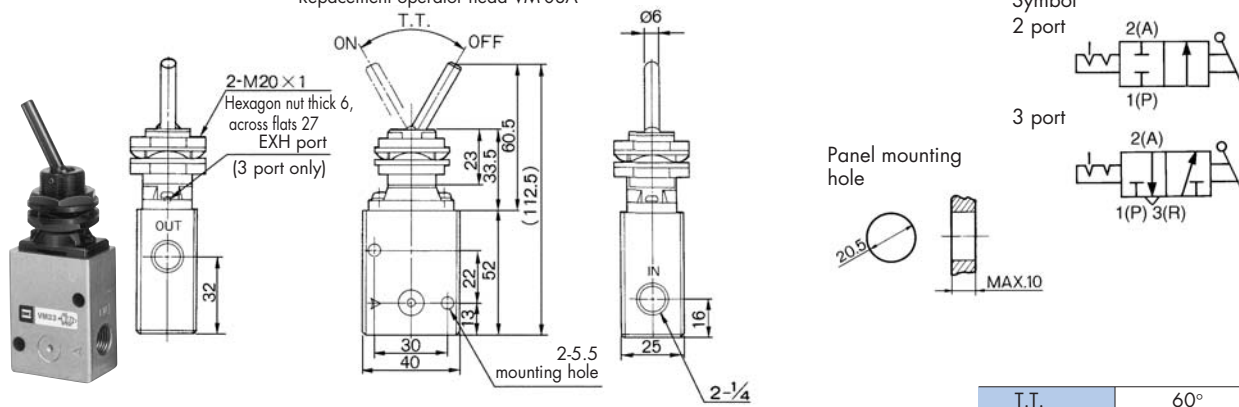
Replacement operator head VM-07A, VM-07AS



### Toggle Lever

| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-08A</b>  | EVM220-F02-08        | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-08A</b>  | EVM230-F02-08        | 3 port |

Replacement operator head VM-08A

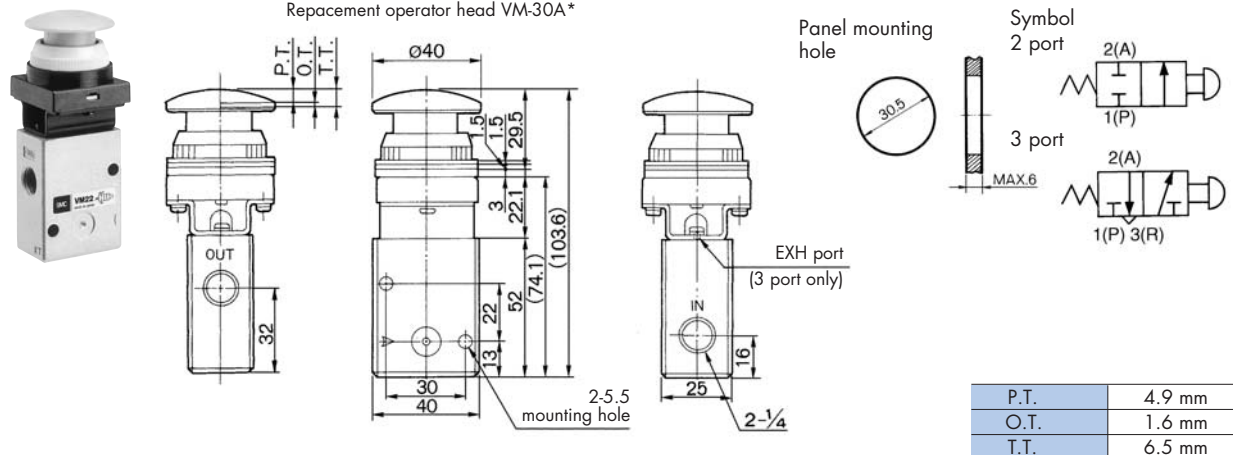


### Push button (mushroom)

| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-30A □</b> | EVM220-F02-30 □      | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-30A □</b> | EVM230-F02-30 □      | 3 port |

□ = Specify colour (R/B/G/Y)

Replacement operator head VM-30A\*



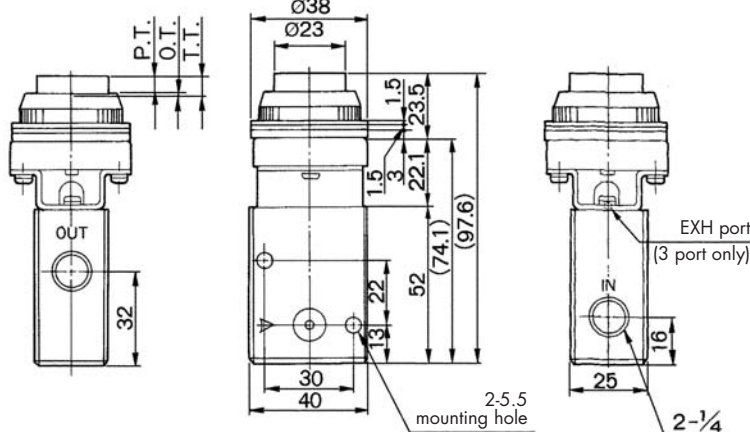
## Dimensions: Series EVM200

### Push button (extended)

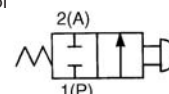
| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-32A</b> □ | EVM220-F02-32 □      | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-32A</b> □ | EVM230-F02-32 □      | 3 port |

□ = Specify colour (R/B/G/Y)

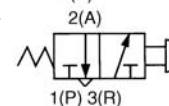
Replacement operator head VM-32A\*



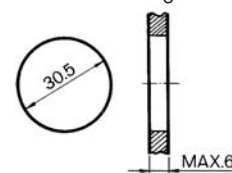
Symbol  
2 port



3 port



Panel mounting hole



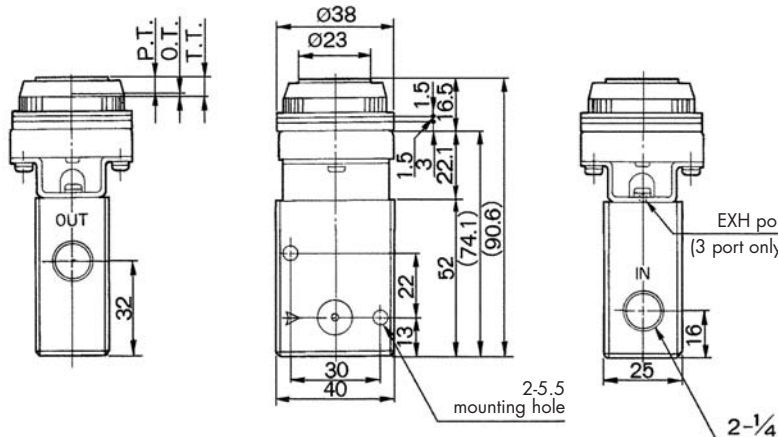
|      |        |
|------|--------|
| P.T. | 4.9 mm |
| O.T. | 1.6 mm |

T.T. 6.5 mm

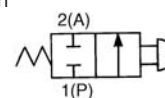
### Push Button (flush)

| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-33A</b>  | EVM220-F02-33        | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-33A</b>  | EVM230-F02-33        | 3 port |

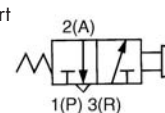
Replacement operator head VM-33A



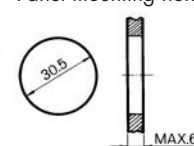
Symbol  
2 port



3 port



Panel mounting hole



|      |        |
|------|--------|
| P.T. | 4.9 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

Note: Supplied with four colour caps.

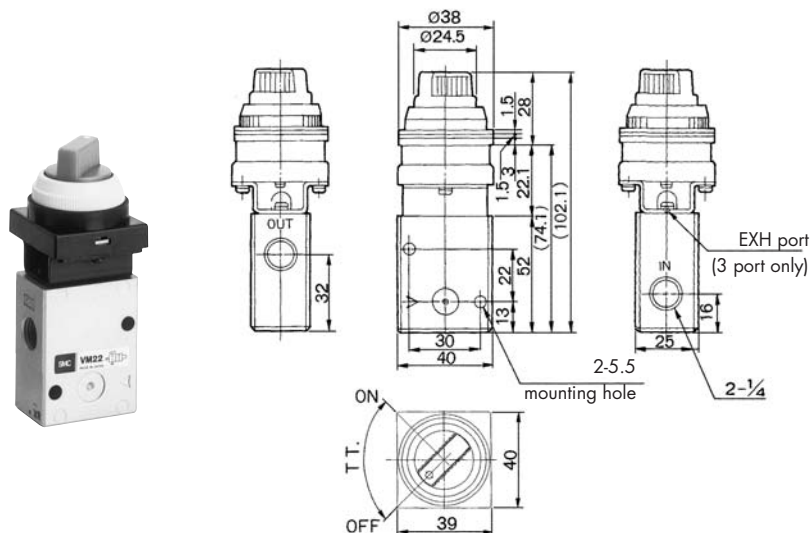
## Dimensions: Series EVM200

### Twist selector (2 position)

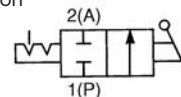
| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-34A</b> □ | EVM220-F02-34 □      | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-34A</b> □ | EVM230-F02-34 □      | 3 port |

□ = Specify colour (R/B/G/Y)

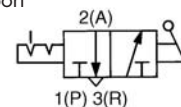
Replacement operator head VM-34A\*



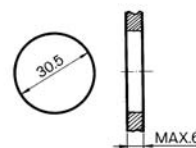
Symbol  
2 port



3 port



Panel mounting hole



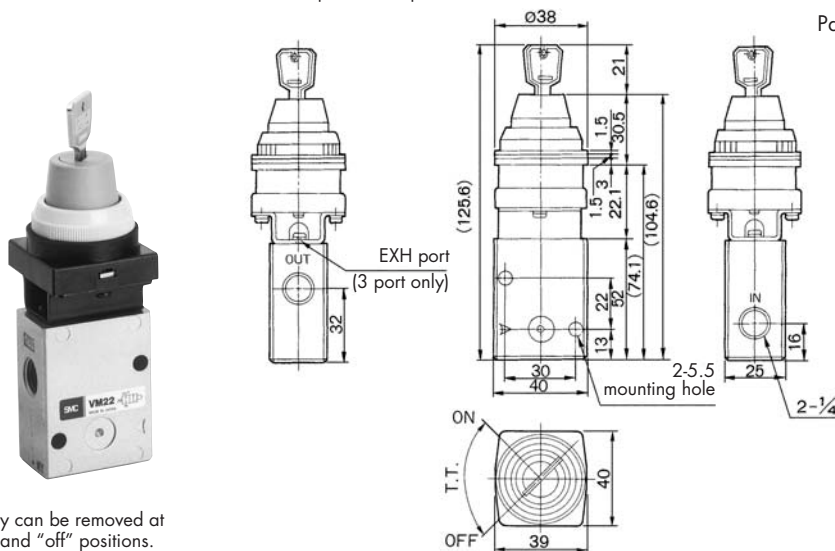
T.T.

90°

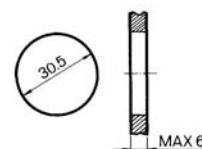
### Key Selector (2 position)

| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM220-F02-00</b> | <b>VM-36A</b>  | EVM220-F02-36        | 2 port |
| <b>EVM230-F02-00</b> | <b>VM-36A</b>  | EVM230-F02-36        | 3 port |

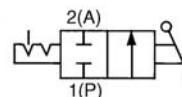
Replacement operator head VM-36A



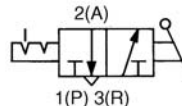
Panel mounting hole



Symbol  
2 port



3 port



T.T.

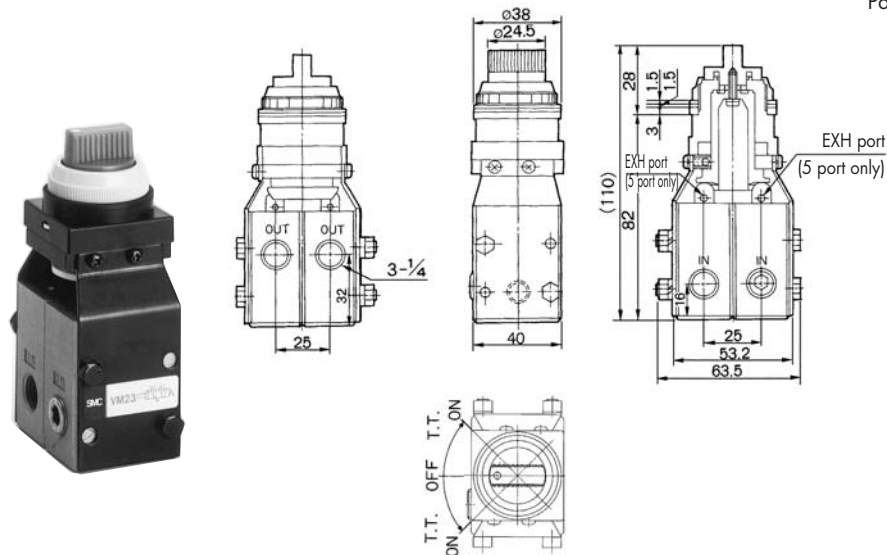
90°

Note: Key can be removed at the "on" and "off" positions.

# Valves

| Base valve | Operating head | Pre-Assembled unit     | Note   |
|------------|----------------|------------------------|--------|
| N/A        | N/A            | <b>EVM230-F02-35 □</b> | 3 port |
| N/A        | N/A            | <b>EVM250-F02-35 □</b> | 5 port |

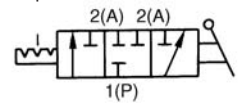
Note: 3 port or 5 port functions.



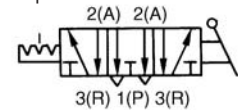
A circle with a horizontal diameter line passing through the center. The diameter is labeled with the number 30.5.

MAX.6

Symbol  
3 port



5 port



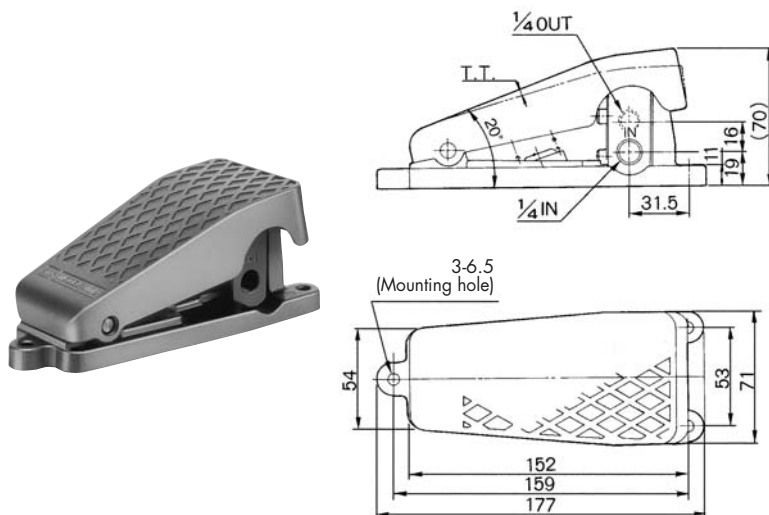
T.T.

---

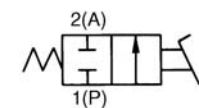
45°

| Base valve | Operating head | Pre-Assembled unit   | Note   |
|------------|----------------|----------------------|--------|
| N/A        | N/A            | <b>EVM220-F02-40</b> | 2 port |
| N/A        | N/A            | <b>EVM230-F02-40</b> | 3 port |

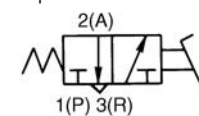
Note: 2 port or 3 port functions.



Symbol  
2 port



3 port



T.T.

---

1.2°



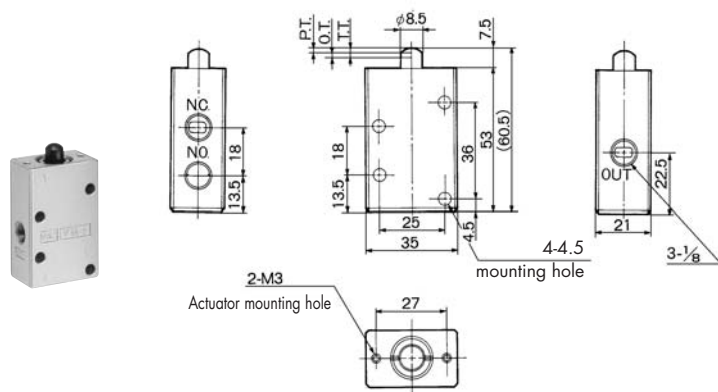
## How to order EVM100/200/400 Mechanical valves

For best delivery times, please order the parts highlighted bold in the following pages. The operating heads are supplied with screws for easy fixing to the base valves. Pre-assembled valves and operating heads are also available where shown but may be subject to extended delivery times. Some variants, for example roller lever, are only available as pre-assembled units

## Dimensions: Series EVM400

## Basic

|                      |                |                      |        |
|----------------------|----------------|----------------------|--------|
| <b>Base valve</b>    | Operating head | (Pre-Assembled unit) | Note   |
| <b>EVM430-F01-00</b> | N/A            | N/A                  | 3 port |



Symbol

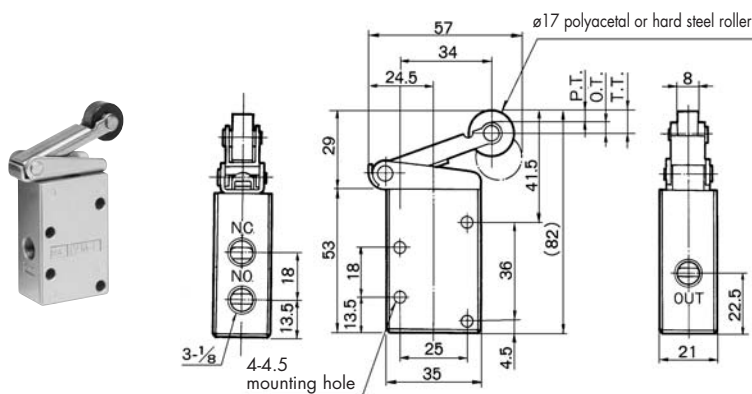


|      |        |
|------|--------|
| P.T. | 1.5 mm |
| O.T. | 2.0 mm |
| T.T. | 3.5 mm |

Roller lever

|            |                |                           |                     |
|------------|----------------|---------------------------|---------------------|
| Base valve | Operating head | <b>Pre-Assembled unit</b> | Note                |
| N/A        | N/A            | <b>EVM430-F01-01</b>      | 3 port              |
| N/A        | N/A            | <b>EVM430-F01-01S</b>     | 3 port steel roller |

Replacement actuator head: VM-01A, VM-01AS



Symbol

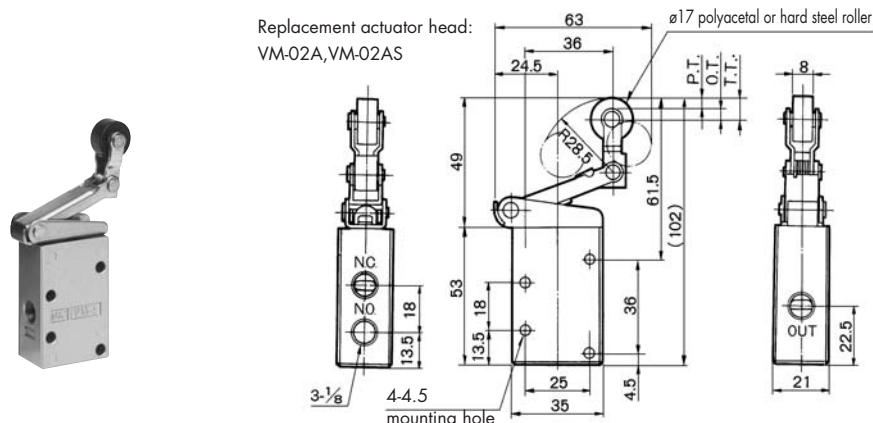


|      |        |
|------|--------|
| P.T. | 4.0 mm |
| O.T. | 4.5 mm |
| T.T. | 8.5 mm |

### One way roller lever

| Base valve | Operating head | Pre-Assembled unit    | Note                |
|------------|----------------|-----------------------|---------------------|
| N/A        | N/A            | <b>EVM430-F01-02</b>  | 3 port              |
| N/A        | N/A            | <b>EVM430-F01-02S</b> | 3 port steel roller |

Replacement actuator head:  
VM-02A, VM-02AS



Symbol



|      |        |
|------|--------|
| P.T. | 4.0 mm |
| O.T. | 5.0 mm |
| T.T. | 9.0 mm |



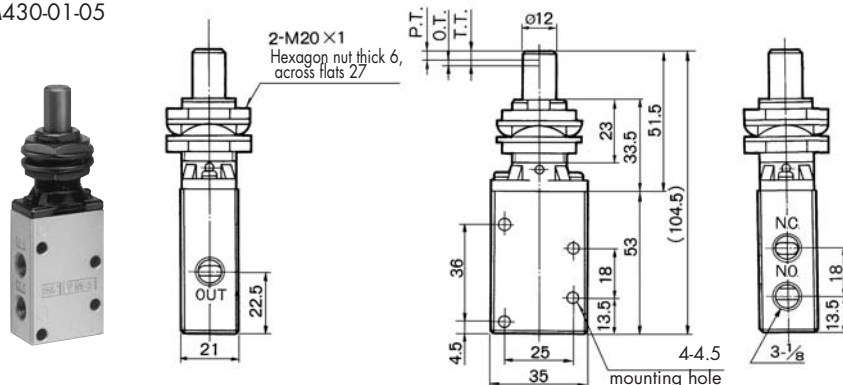
# Dimensions: Series EVM400

## Straight Plunger

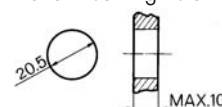
| Base valve    | Operating head | (Pre-Assembled unit) | Note   |
|---------------|----------------|----------------------|--------|
| EVM430-F01-00 | VM-05A         | EVM430-F01-05        | 3 port |

## Straight plunger VM430-01-05

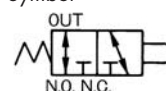
Replacement actuator head: VM-05A



Panel mounting hole



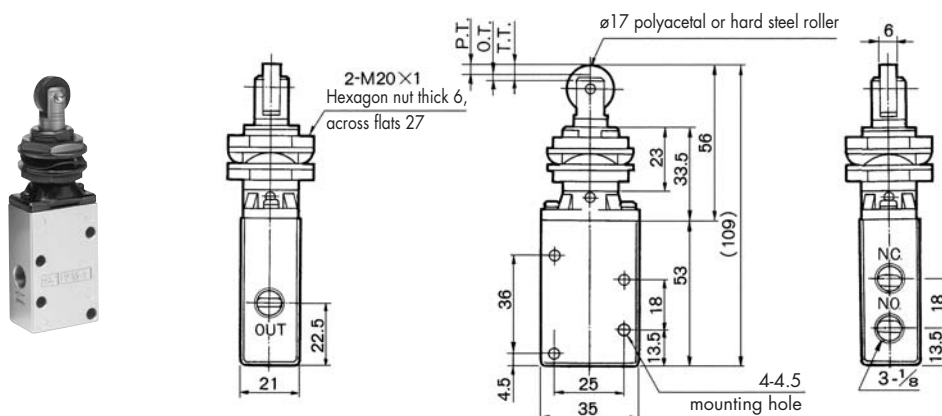
Symbol



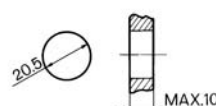
|      |        |
|------|--------|
| P.T. | 3.5 mm |
| O.T. | 2.0 mm |
| T.T. | 5.5 mm |

## Roller Plunger

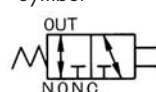
| Base valve    | Operating head | (Pre-Assembled unit) | Note                |
|---------------|----------------|----------------------|---------------------|
| EVM430-F01-00 | VM-06A         | EVM430-F01-06        | 3 port              |
| EVM430-F01-00 | VM-06AS        | EVM430-F01-06S       | 3 port steel roller |



Panel mounting hole



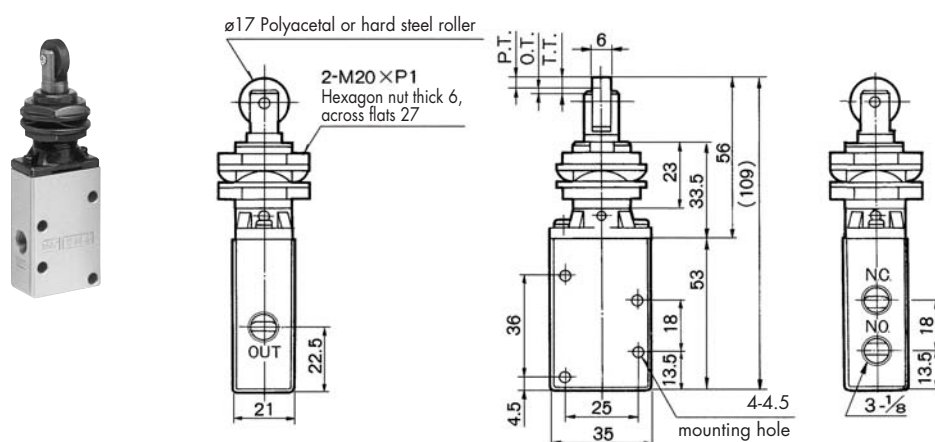
Symbol



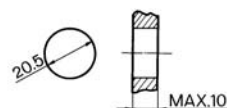
|      |        |
|------|--------|
| P.T. | 3.5 mm |
| O.T. | 2.0 mm |
| T.T. | 5.5 mm |

## Cross roller plunger

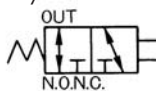
| Base valve    | Operating head | (Pre-Assembled unit) | Note                |
|---------------|----------------|----------------------|---------------------|
| EVM430-F01-00 | VM-07A         | EVM430-F01-07        | 3 port              |
| EVM430-F01-00 | VM-07AS        | EVM430-F01-07S       | 3 port steel roller |



Panel mounting hole



Symbol

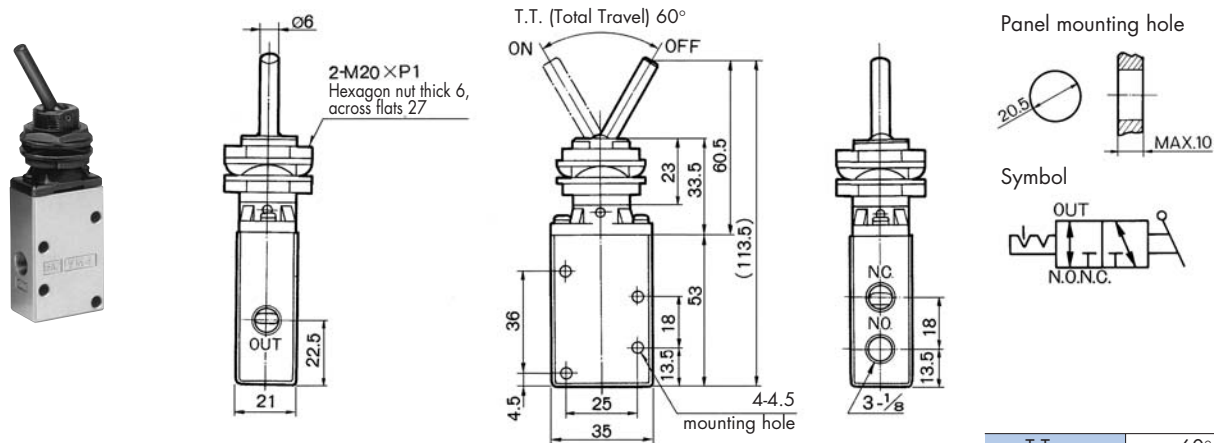


|      |        |
|------|--------|
| P.T. | 3.5 mm |
| O.T. | 2.0 mm |
| T.T. | 5.5 mm |

## Dimensions: Series EVM400

### Toggle Lever

| Base valve    | Operating head | (Pre-Assembled unit) | Note   |
|---------------|----------------|----------------------|--------|
| EVM430-F01-00 | VM-08A         | EVM430-F01-08        | 3 port |

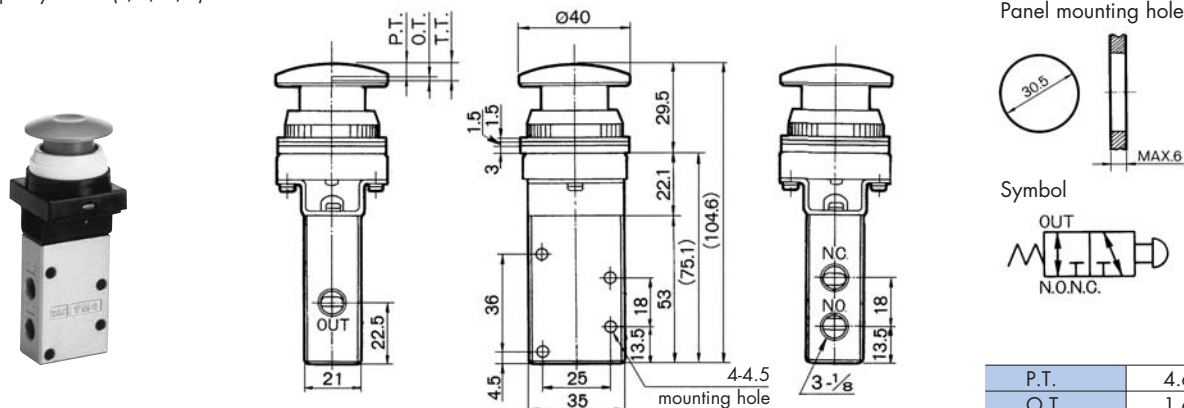


T.T. 60°

### Push button (mushroom)

| Base valve    | Operating head | (Pre-Assembled unit) | Note   |
|---------------|----------------|----------------------|--------|
| EVM430-F01-00 | VM-30A □       | EVM430-F01-30 □      | 3 port |

□ = Specify colour (R/B/G/Y)



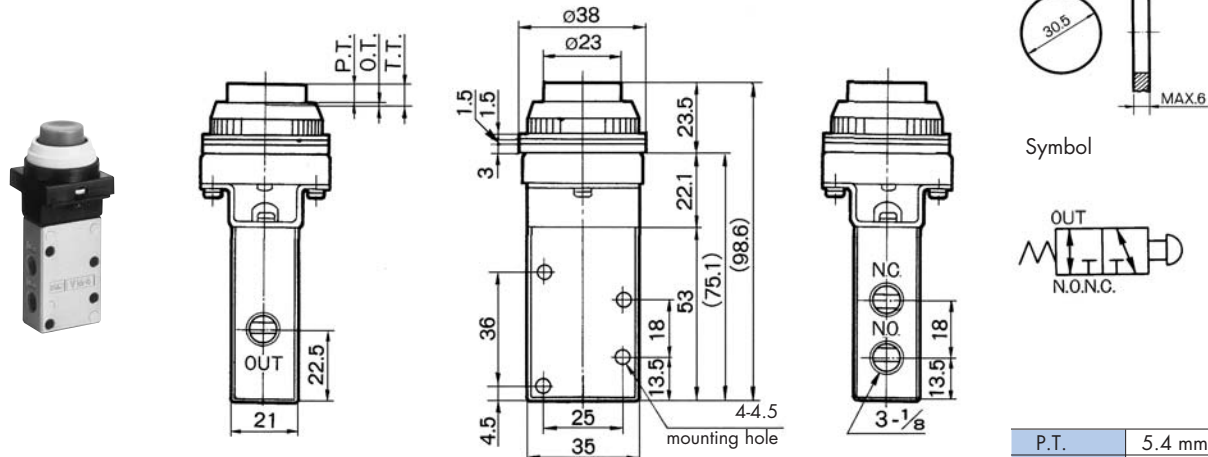
|      |        |
|------|--------|
| P.T. | 4.6 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

### Push button (extended)

| Base valve    | Operating head | (Pre-Assembled unit) | Note   |
|---------------|----------------|----------------------|--------|
| EVM430-F01-00 | VM-32A □       | EVM430-F01-32 □      | 3 port |

□ = Specify colour (R/B/G/Y)

Replacement actuator head: VM-32A



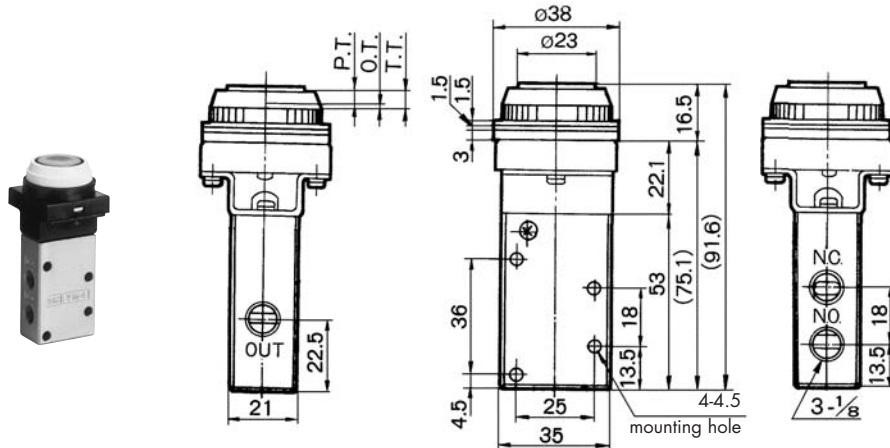
|      |        |
|------|--------|
| P.T. | 5.4 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

## Dimensions: Series EVM400

Push Button (flush)

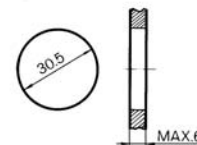
| Base valve           | Operating head | (Pre-Assembled unit) | Note   |
|----------------------|----------------|----------------------|--------|
| <b>EVM430-F01-00</b> | <b>VM-33A</b>  | EVM430-F01-33        | 3 port |

Replacement actuator head: VM-33A



Note: Supplied with four colour caps.

Panel mounting hole



Symbol



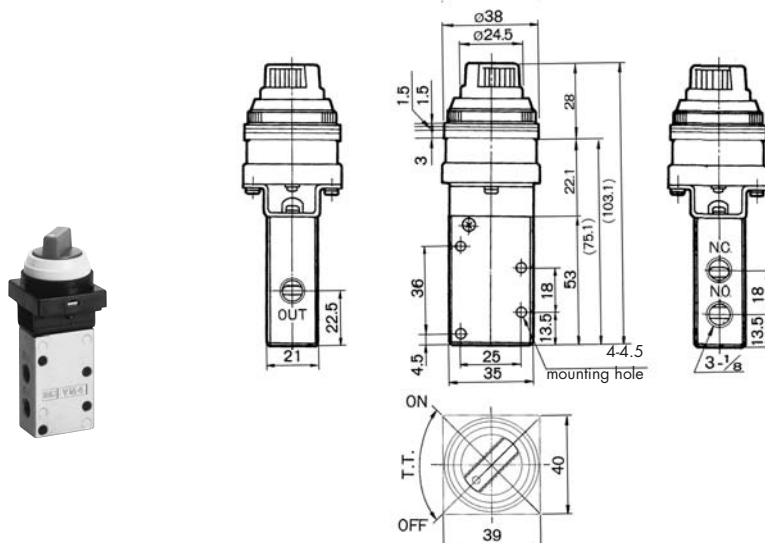
|      |        |
|------|--------|
| P.T. | 4.9 mm |
| O.T. | 1.6 mm |
| T.T. | 6.5 mm |

Twist selector (2 position)

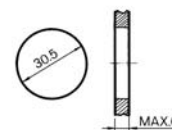
| Base valve           | Operating head  | (Pre-Assembled unit) | Note   |
|----------------------|-----------------|----------------------|--------|
| <b>EVM230-F02-00</b> | <b>VM-34A</b> □ | EVM430-F01-34 □      | 3 port |

□ = Specify colour (R/B/G/Y)

Replacement actuator head: VM-34A\*



Panel mounting hole



Symbol



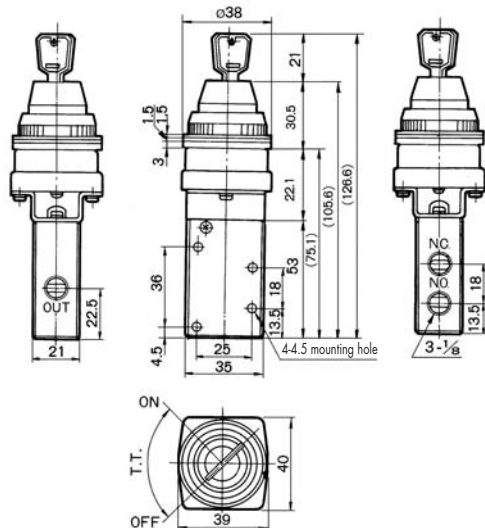
|      |     |
|------|-----|
| T.T. | 90° |
|------|-----|

## Dimensions: Series EVM400

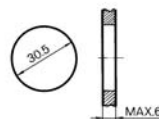
Key Selector (2 position)

|                      |                       |                      |        |
|----------------------|-----------------------|----------------------|--------|
| <b>Base valve</b>    | <b>Operating head</b> | (Pre-Assembled unit) | Note   |
| <b>EVM230-F02-00</b> | <b>VM-36A</b>         | EVM430-F01-36        | 3 port |

Replacement actuator head: VM-36A



Panel mounting hole



Note: Key can be removed at the "on" and "off" positions.

|      |     |
|------|-----|
| T.T. | 90° |
|------|-----|