

5/2 MECHANICAL VALVE ¼ PORT
SERIES VFM350

- ✓ Many different actuators
- ✓ High flow Cv 1.0
- ✓ High cycle rate 300cpm – long life
- ✓ Interfaces with VF3000 2-10 station Type 30 manifold

TECHNICAL
SPECIFICATIONS

Fluid	Air, Inert gas
Operating pressure	1.5 ~ 9 Bar
Ambient and fluid temperature	5 ~ 60°C
Effective orifice (Cv factor)	18mm ² (1.0)
Maximum frequency	300c.p.m.
Lubrication	Not required
Port size	Sup, cyl ¼ Exhaust ⅜



HOW TO
ORDER
VFM350 VALVE

VFM350 — 02 —

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
- 08 ...Toggle
- 30 ...Push Button-Mushroom
- 32 ...Push button-Extended
- 33 ...Push button-Flush
- 34 ...Twist selector
- 36 ...Key selector

PUSH BUTTON COLOUR

- RRed
- GGreen
- BBlack

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



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.

HOW TO
ORDER
VFM350 ACTUATOR ONLY

.....PART NO. APPLICATION

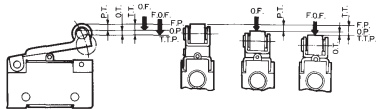
MECHANICAL OPERATION

- Basic.....
- Roller leverVM-01CPolyacetal roller
- Roller leverVM-01CSHard steel roller
- One way trip.....VM-02CPolyacetal roller
- One way trip.....VM-02CSHard steel roller
- Straight plungerVM-05D
- Roller plungerVM-06DPolyacetal roller
- Roller plungerVM-06DSHard steel roller

MANUAL OPERATION

- ToggleVM-08D
- Push Button-Mushroom ...VM-30CR ...Red
- Push Button-Mushroom ...VM-30CB ...Black
- Push Button-Mushroom ...VM-30CG ...Green
- Push button-ExtendedVM-32CR ...Red
- Push button-ExtendedVM-32CB ...Black
- Push button-ExtendedVM-32CG ...Green
- Push button-FlushVM-33C
- Twist selectorVM-34CR ...Red
- Twist selectorVM-34CB ...Black
- Twist selectorVM-34CG ...Green
- Key selectorVM-36C

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

ACCESSORIES
MANIFOLD TYPE 30

DXT031-38-1ABlanking plate kit

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



Valves with certain operators cannot be mounted side by side. Check valve dimensions

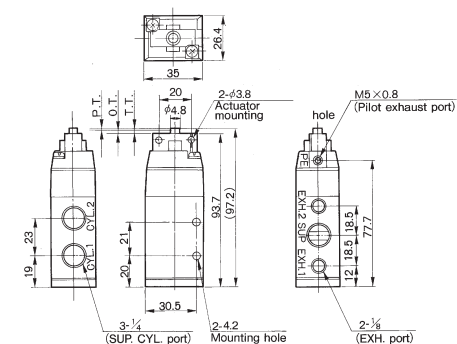
DIMENSIONS
SEE NEXT PAGE



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E104

DIMENSIONS

VFM350 BASIC VALVE



F.O.F*	16N
P.T.	1mm
O.T.	2mm
T.T.	3mm

*5 Bar supply

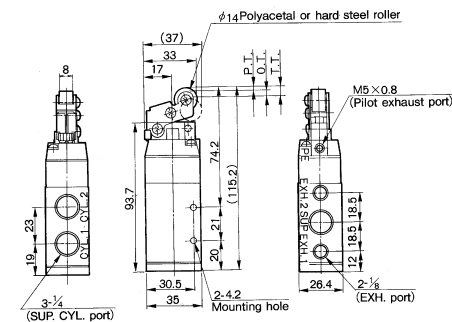
SYMBOLS

VFM350 BASIC VALVE



DIMENSIONS

VFM350 ROLLER LEVER



F.O.F*	8N
P.T.	2.2mm
O.T.	4mm
T.T.	6.2mm

*5 Bar supply

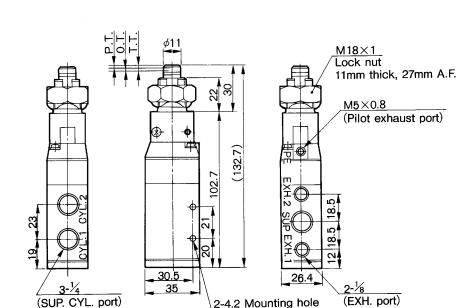
SYMBOLS

VFM350 ROLLER LEVER



DIMENSIONS

VFM350 ONE WAY TRIP



F.O.F*	7N
P.T.	2.4mm
O.T.	4.6mm
T.T.	7mm

*5 Bar supply

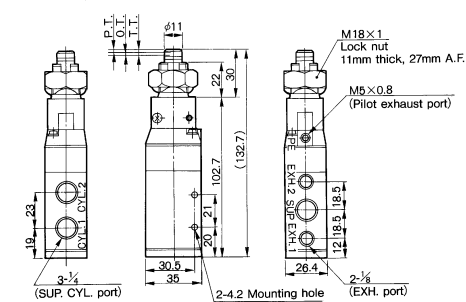
SYMBOLS

VFM350 ONE WAY TRIP

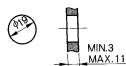


DIMENSIONS

VFM350 STRAIGHT PLUNGER



Panel mount hole



F.O.F*	20N
P.T.	1.5mm
O.T.	2mm
T.T.	3.5mm

*5 Bar supply

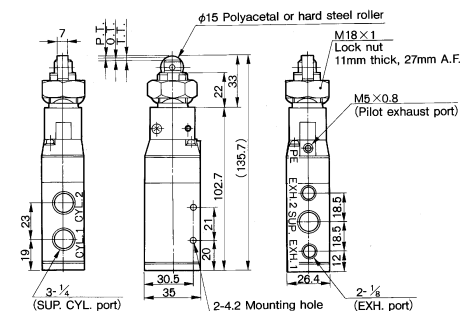
SYMBOLS

VFM350 STRAIGHT PLUNGER

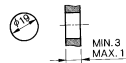


DIMENSIONS

VFM350 ROLLER PLUNGER



Panel mount hole



F.O.F*	20N
P.T.	1.5mm
O.T.	2mm
T.T.	3.5mm

*5 Bar supply

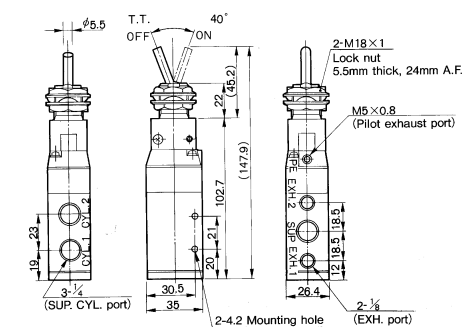
SYMBOLS

VFM350 ROLLER PLUNGER

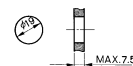


DIMENSIONS

VFM350 TOGGLE LEVER



Panel mount hole



F.O.F*	15N
T.T.	40°

*5 Bar supply

SYMBOLS

VFM350 TOGGLE LEVER



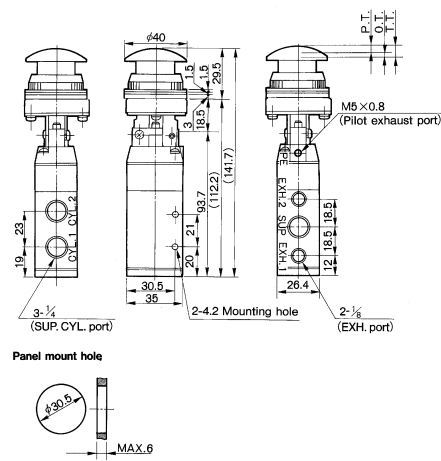
SEE INSIDE FRONT COVER FOR
DETAILS OF YOUR LOCAL SALES OFFICE



FOR FURTHER TECHNICAL
DETAILS ON THIS
PRODUCT REQUEST
CATALOGUE REFERENCE
E104

Valves

DIMENSIONS
VFM350 PUSH BUTTON-MUSHROOM



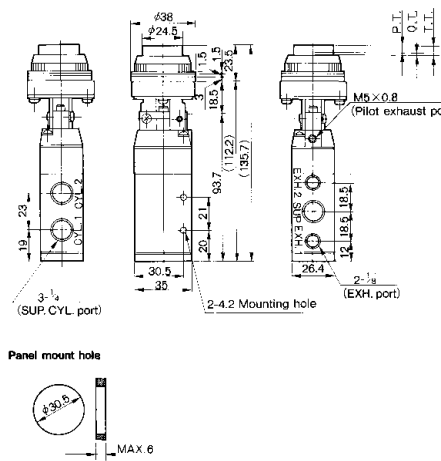
F.O.F*	21N
P.T.	5.3mm
O.T.	1.7mm
T.T.	7mm

*5 Bar supply

SYMBOLS
VFM350 PUSH BUTTON-MUSHROOM



DIMENSIONS
VFM350 PUSH BUTTON-EXTENDED



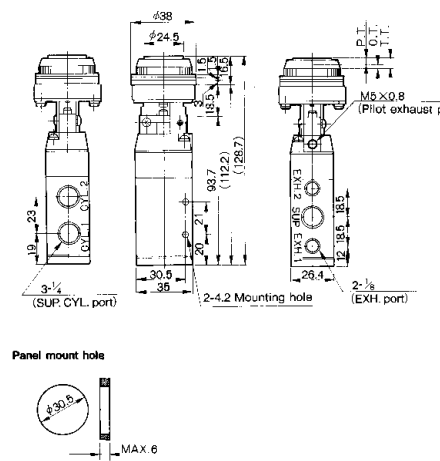
F.O.F*	21N
P.T.	5.3mm
O.T.	1.7mm
T.T.	7mm

*5 Bar supply

SYMBOLS
VFM350 PUSH BUTTON-EXTENDED



DIMENSIONS
VFM350 PUSH BUTTON-FLUSH



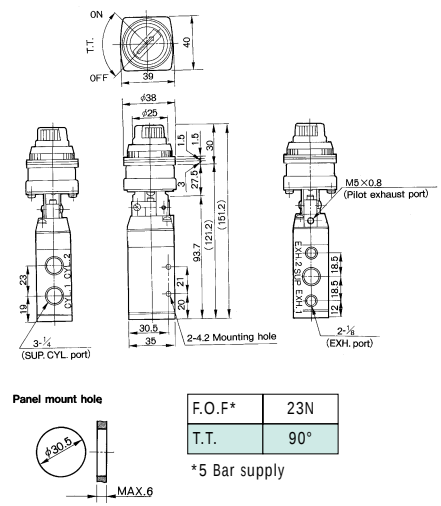
F.O.F*	21N
P.T.	5.3mm
O.T.	1.7mm
T.T.	7mm

*5 Bar supply

SYMBOLS
VFM350 PUSH BUTTON-FLUSH



DIMENSIONS
VFM350 TWIST SELECTOR - 2 POSITION



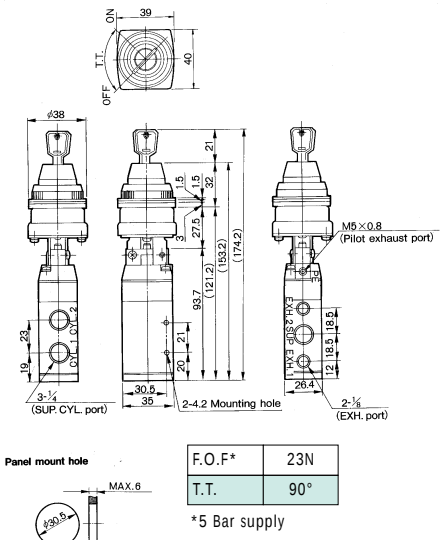
F.O.F*	23N
T.T.	90°

*5 Bar supply

SYMBOLS
VFM350 TWIST SELECTOR - 2 POSITION



DIMENSIONS
VFM350 KEY SELECTOR - 2 POSITION



F.O.F*	23N
T.T.	90°

*5 Bar supply

SYMBOLS
VFM350 KEY SELECTOR - 2 POSITION

