
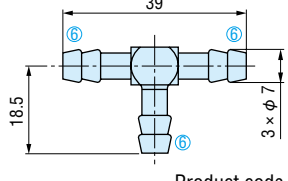
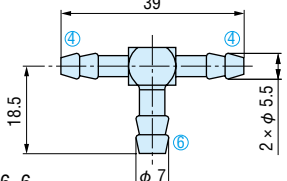
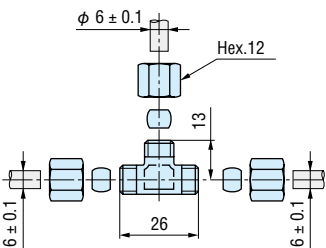
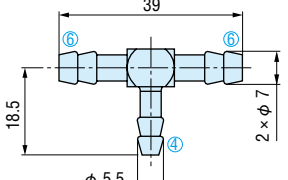
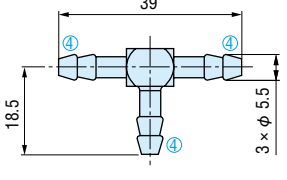

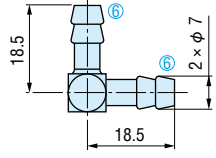
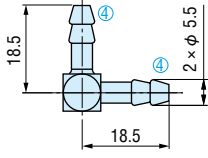
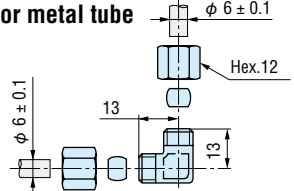
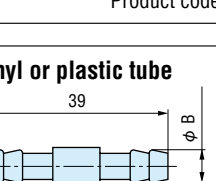
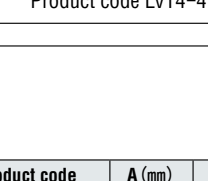

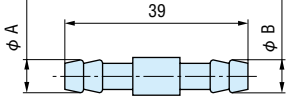
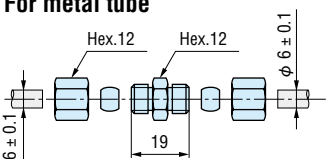


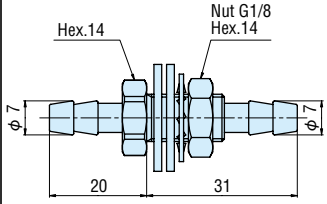
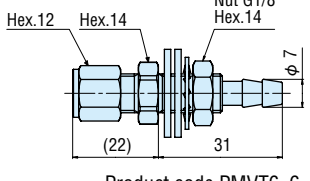
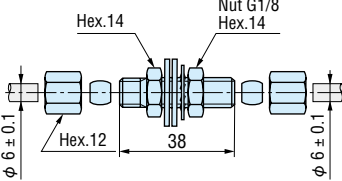
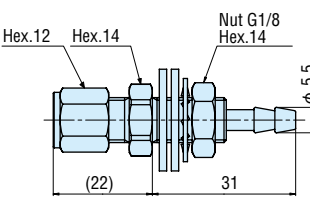



Line part

RoHS compliant

(Some of product is excluded)

T joint 	For vinyl or plastic tube  Product code TVT6-6-6	 Product code TVT4-6-4	For metal tube  Product code TMT6-6-6 RoHS non-compliant												
	 Product code TVT6-4-6	 Product code TVT4-4-4													
Elbow joint 	For vinyl or plastic tube  Product code LVT6-6	 Product code LVT4-4	For metal tube  Product code LMT6-6 RoHS non-compliant												
	 Product code LVT6-6	 Product code LVT4-4													
Straight joint 	For vinyl or plastic tube  Product code SVT6-6-6 Product code SVT4-4-4 Product code SVT6-4-4	<table border="1"> <thead> <tr> <th>Product code</th> <th>A (mm)</th> <th>B (mm)</th> </tr> </thead> <tbody> <tr> <td>SVT6-6</td> <td>7</td> <td>7</td> </tr> <tr> <td>SVT4-4</td> <td>5.5</td> <td>5.5</td> </tr> <tr> <td>SVT6-4</td> <td>7</td> <td>5.5</td> </tr> </tbody> </table>	Product code	A (mm)	B (mm)	SVT6-6	7	7	SVT4-4	5.5	5.5	SVT6-4	7	5.5	For metal tube  Product code SMT6-6 RoHS non-compliant
	Product code	A (mm)	B (mm)												
SVT6-6	7	7													
SVT4-4	5.5	5.5													
SVT6-4	7	5.5													
 Product code SVT6-6-6 Product code SVT4-4-4 Product code SVT6-4-4	<table border="1"> <thead> <tr> <th>Product code</th> <th>A (mm)</th> <th>B (mm)</th> </tr> </thead> <tbody> <tr> <td>SVT6-6</td> <td>7</td> <td>7</td> </tr> <tr> <td>SVT4-4</td> <td>5.5</td> <td>5.5</td> </tr> <tr> <td>SVT6-4</td> <td>7</td> <td>5.5</td> </tr> </tbody> </table>	Product code	A (mm)	B (mm)	SVT6-6	7	7	SVT4-4	5.5	5.5	SVT6-4	7	5.5		
Product code	A (mm)	B (mm)													
SVT6-6	7	7													
SVT4-4	5.5	5.5													
SVT6-4	7	5.5													
Panel transfixed joint 	For vinyl or plastic tube  Product code PVT6-6-6 Product code PVT4-4-4 Product code PVT6-4-4	For metal tube and plastic tube  Product code PMVT6-6-6 Product code PMVT6-4-4	For metal tube  Product code PMT6-6												
	<table border="1"> <thead> <tr> <th>Product code</th> <th>A (mm)</th> <th>B (mm)</th> </tr> </thead> <tbody> <tr> <td>PVT6-6</td> <td>7</td> <td>7</td> </tr> <tr> <td>PVT4-4</td> <td>5.5</td> <td>5.5</td> </tr> <tr> <td>PVT6-4</td> <td>7</td> <td>5.5</td> </tr> </tbody> </table>	Product code	A (mm)	B (mm)	PVT6-6	7	7	PVT4-4	5.5	5.5	PVT6-4	7	5.5	 Product code PMVT6-4-4	 Product code PMT6-6
Product code	A (mm)	B (mm)													
PVT6-6	7	7													
PVT4-4	5.5	5.5													
PVT6-4	7	5.5													

Others

Tube band 	Product code XHB6 XHB8 XHB10 XHB12 XHB13	Applicable diameter of tube O.D. mm 6 8 10 12 13	Inner sleeve set  Product code XIN6 x 4	Vinyl or plastic tube / Urethane tube / Nylon tube 	Product code VT4-6 VT4-8 VT6-8 VT6-12 UT4-6 UT6-8 NT4-6	I.D. mm 4 4 6 6 4 6 4	O.D. mm 6 8 8 12 6 8 6
	Vinyl or plastic	6 8 12			6 8 12		
	Urethane	4 6 8			6 8 6		
	Nylon	4 6 8			6 8 6		

* Because of quality improvement or any reason, some specifications are possibility of changing without notice.

WO81

WO70

FR51A

MS30

MS61A

MS65

EB3C

EMD8

EMD7

EMT6

EMT1

EMTGP1

EMT1H

EMP5

EMA3

EMRT1

HWS15

Combination of Manosys

Accessories

Application Cautions for use Maintenance

Caution for using

WO81

Tube connection

WO70

General tube connection

- Use vinyl, plastic or rubber tube with the wall thickness of 1 mm or more for the vinyl or plastic tube with piping connector. However, the vinyl or plastic tube (2 or more wall thickness) with enough withstanding pressure (including vacuum pressure) is required when the instrument range or the line pressure is higher more than 50 kPa.
- Copper and aluminum tube are both available for the metal tube piping connector, but either O.D. must be 6 with the tolerance of ± 0.1 mm.
- It is also possible to use plastic tube (O.D.6 \times I.D.4) for the metal tube connector if the inner sleeve set sold as an option is used as shown in the right figure.
- The bent radius of vinyl or plastic tube should be at least 50mm.
- Fasten the piping connector of vinyl or plastic tube by the fittings with house clamps.

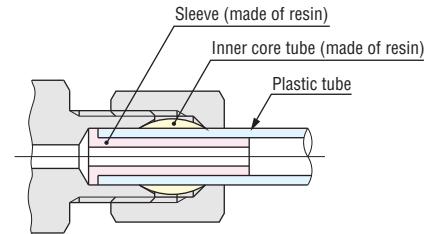
FR51A

MS30

MS61A

MS65

Inner sleeve type plastic piping



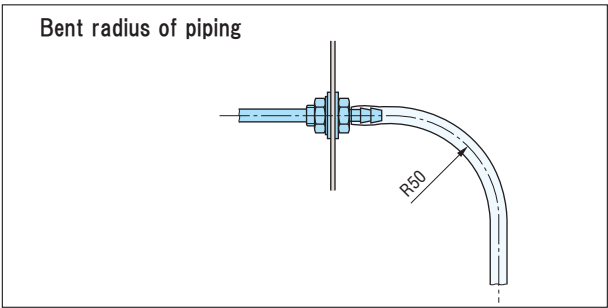
EB3C

Use of tube clamp



EMD8

EMD7



EMT6

Prevention of clogged piping due to drain

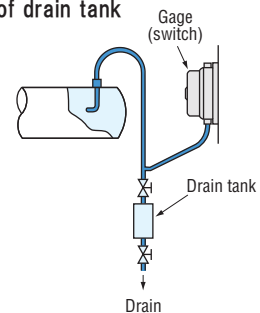
- If drain remains within the line, it causes measurement error. Be sure to install the pressure receiving instrument above the pressure outlet port of the pressure detector and arrange the line so that the drain water should not remain in the slack piping.
- If the arrangement mentioned above is not possible, install a drain tank within the line as shown in the right figure and clean it once in a while.
- After the cleaning of the tank, check that the air tightness is fully kept.

EMT1

EMTGP1

EMT1H

Installation diagram of drain tank



EMP5

Prohibition of common piping

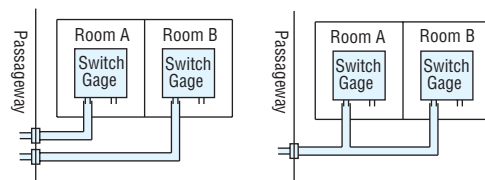
- Piping each of pressure detectors and pressure receiving instruments tube exclusively dedicated for it, and do not connect the piping commonly with the adjacent system as shown in the right figure.
- Common piping causes measurement error because the pressure of each system interferes.

EMA3

EMRT1

HWS15

Independent piping ○ Common piping ×

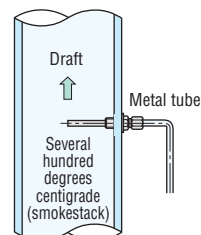


Combination of Manosys

Measurement of high temperature gases

- In the pressure measurement of high temperature gas, use the pressure detector (pitot tube) made of the heat-proof metal (such as stainless steel), and connect it with the pressure receiving instrument through a metal tube which is long enough to cool down the high temperature gas. Since high temperature gas does not enter the inside of the instrument itself (closed circuit), it is possible to measure the pressure of high temperature gas reaching several hundred degrees centigrade without problem.

Accessories



Application Cautions for use Maintenance

Product Warranty

Warranty Period

This product warranty is valid for one year from the date of delivery to a place specified by an ordering party who has transacted directly with Yamamoto Electric Works Co., Ltd.

Coverage

If a product breaks down due to a reason for which we are responsible during the warranty period and you return the product to us, we will either repair or replace the product free of charge.

This warranty does not cover:

- (1) Usage of the product under any inappropriate conditions or environment contrary to what is described in our product catalog, specifications or manual.
Handling or usage of the product other than as described in our product catalog, specifications or manual.
- (2) Breakdown due to a reason other than a fault within our product.
- (3) Any product that has been modified or repaired by a party other than us.
- (4) Any breakdown due to a reason that was not foreseeable based on scientific and technical standards applied at the time of shipment.
- (5) Any breakdown due to a reason not attributable to us such as a natural calamity or other disaster.

These terms of warranty represent our entire liability with respect to the product, and we shall have no liability for any other loss arising in connection with a breakdown of the product.

*This product warranty is only valid within Japan.

This document is a translation from the original Japanese version, and the original Japanese version has priority over this translation.

Be sure to refer to the original Japanese for the details of this warranty.



Caution

The Japanese original document shall always take precedence over the translated versions.

You should be sure to refer to the Japanese original document.

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