

# Automation Example



Compressor

## Air Preparation Equipment

Refer to the Best Pneumatics No. 6

### Air Dryers



- Flow capacity: 65000 L/min (ANR)
- Outlet air pressure dew point: 10°C



- Flow capacity: 780 L/min (ANR)
- Outlet air atmospheric pressure dew point: -30°C

### Air Preparation Filters



#### Micro Mist Separator with Prefilter

- Nominal filtration rating: 0.01 μm
- Odor Removal Filter
- Outlet oil mist concentration: Max. 0.0032 ppm

## Detection Conversion Unit

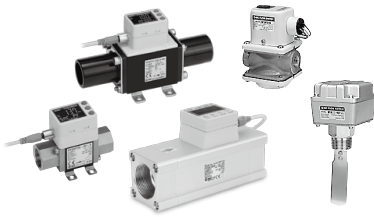
Refer to the Best Pneumatics No. 8

### Pressure Sensors



- Air: -0.1 to 1 MPa
- General fluids: -0.1 to 15 MPa

### Flow Sensors



- Air: 0.2 to 12000 L/min (ANR)
- General fluids: 0.5 to 250 L/min (ANR)

## Industrial Filters

P.1



- Flow capacity: Max. 3800 L/min (ANR)
- Nominal filtration rating: 0.5 to 120 μm

## Pressure Control Equipment

Refer to the Best Pneumatics No. 6



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- Set pressure range: 0.02 to 0.5 MPa
- Set pressure range: 0.005 to 0.8 MPa

## Piping Material

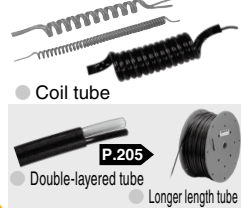
Refer to the Best Pneumatics No. 7

### Fittings/S Couplers



- Stainless steel series

### Tubing



- Coil tube
- Double-layered tube
- Longer length tube

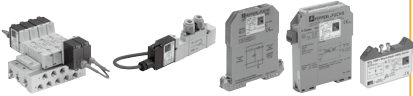
## Operation Unit

### Solenoid Valves

Explosion-proof Specifications

Intrinsically safe explosion proof

Refer to the Web Catalog



Refer to the Web Catalog

Explosion proof (Flameproof)



NAMUR Standards IP67

P.199



### Accessories

Relay

P.167



Booster relay

Electro-Pneumatic Transducer

P.174



Electro-pneumatic transducer

Valves

P.171



Lock-up valve

### Positioners

P.124



Smart positioner



Electro-pneumatic positioner

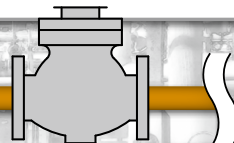
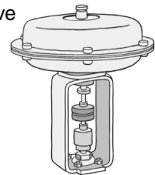
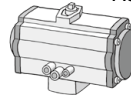
## Actuators

P.176



- Applicable cylinder size:  $\phi 50$  to  $\phi 300$

Industrial process valve Actuator



In principle, SMC products cannot be used outdoors.