Residual Chlorine Analyzer
(for raw water with two cylinder sand filter)

Weight: Approx. 75 kg

Unless otherwise specified, differences in the dimensions are specified as: General tolerance = ± (Criteria of tolerance class IT18 in JIS B0401) / 2.
**Wiring Diagram**

- **RC400G-3/ARS/AZC**

(Wired by customer)
- Fail contact output
- Maintenance contact output
- Range switching output
- Remote range switching output

Power terminal box (*2) Analog output
- L1
- O1
- O2

Converter (CON)
- Dedicated cable K9332WA
- Dedicated cable K9332WB
- Dedicated cable K9332WK
- Dedicated cable K9332WJ

Detector (CELL)
- Dedicated cable

Terminals
- Converter
- Detector
- Dedicated cable

Terminal box
- G
- B1
- B2
- B3
- B4
- S1
- S2
- S3
- S4
- A1
- A2

Air pump (option) (AP) (*3)

Dedicated cable K9332WF

Solenoid valve (SV2)
- Dedicated cable K9332WL
- Dedicated cable K9332WH
- Dedicated cable K9332WP
- Dedicated cable K9332WS

Solenoid valve (SV1)
- Dedicated cable K9332WL
- Dedicated cable K9332WH
- Dedicated cable K9332WP
- Dedicated cable K9332WS

Solenoid valve (SV3)
- Dedicated cable K9332WL
- Dedicated cable K9332WH
- Dedicated cable K9332WP
- Dedicated cable K9332WS

Solenoid valve (SV4)
- Dedicated cable K9332WL
- Dedicated cable K9332WH
- Dedicated cable K9332WP
- Dedicated cable K9332WS

Pump (PU)
- Dedicated cable K9332WB

Converter
- Dedicated cable

Converter
- Dedicated cable

AR11,2 : Arrestors
CB1 : Circuit breaker

* Case ground terminal must be grounded.
If this is not possible connect to power source ground wire.

- AR1,2 : Arrestors
- CB1 : Circuit breaker

(Note)
Dotted lines : external wiring
Use cable of 6 to 12 mm OD, however when connecting via power terminal box option use cable of 9 to 11 mm OD for both power and analog output cables.

(*1) Option /AZC applies to auto zero calibration
(*2) Option /ARS applies to version with arrestor
(*3) Option /AP applies to version with air purge pump

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SD 12F04A01-03E 2/4

3rd Edition : Apr. 2011 (YK)
Piping Diagram

- **RC400G-3**

**Tubing materials**
- ø6 x ø4 polyethylene tube
- ø8 x ø6 polyethylene tube
- ø22 x ø15 braided wire reinforced soft PVC tube
- ø33 x ø25 braided wire reinforced soft PVC tube
- VP16 pipe
- VP40 pipe
- *option

**Components**
- Ball valve
- Measuring sample (VP16)
- Pressure reducing valve
- Tap water (VP16)
- Standard solution (Rc1/4)
- Reagent (Rc1/4)
- Air (Rc1/4)
- *Air pump
- Drain (VP40)
- Vat
- VP16 pipe
- VP40 pipe
- * option

**Tubing Materials**
- ø6 x ø4 polyethylene tube
- ø8 x ø6 polyethylene tube
- ø22 x ø15 braided wire reinforced soft PVC tube
- ø33 x ø25 braided wire reinforced soft PVC tube
- VP16 pipe
- VP40 pipe

**Legend**
- F1: Sand filter
- F2: Sand filter
- SV1: Solenoid valve
- SV2: Solenoid valve
- SV3: Solenoid valve
- SV4: Solenoid valve
- V1: Ball valve
- V2: Ball valve
- V3: Ball valve
- V4: Ball valve
- V5: Ball valve
- V6: Ball valve
- V7: Ball valve
- V8: Ball valve
- S1: Strainer
- AP: Air pump
- CON: Converter
- CELL: Measuring tank
- PU: Metering pump
- VP16: VP16 pipe
- VP40: VP40 pipe

**Additional Information**
- Sand filter
- Solenoid valve
- Measuring tank
- Vat
- VP16 pipe
- VP40 pipe

*Option*
● RC400G-3/AZC with auto zero calibration

- φ6 x φ4 polyethylene tube
- φ8 x φ6 polyethylene tube
- φ22 x φ15 braided wire reinforced soft PVC tube
- φ33 x φ25 braided wire reinforced soft PVC tube
- VP16 pipe
- VP40 pipe

* option

**Tubing materials**

- φ6 x φ4 polyethylene tube
- φ8 x φ6 polyethylene tube
- φ22 x φ15 braided wire reinforced soft PVC tube
- φ33 x φ25 braided wire reinforced soft PVC tube
- VP16 pipe
- VP40 pipe

* option

**Measuring sample (VP16)**

**Tap water (VP16)**

**Standard solution (Rc1/4)**

**Reagent (Rc1/4)**

**Air (Rc1/4)**

**Drain (VP40)**

**Air pump**

**Converter**

**Cell Measuring tank**

**Metering pump**

**Drain VP40 pipe**

**Standard solution inlet**

**Measuring sample inlet**

**For air purge inlet**

**Measuring tank**

**Metering pump**

**Tubing materials**

- φ6 x φ4 polyethylene tube
- φ8 x φ6 polyethylene tube
- φ22 x φ15 braided wire reinforced soft PVC tube
- φ33 x φ25 braided wire reinforced soft PVC tube
- VP16 pipe
- VP40 pipe

* option