Krypton Multi Installation and Set Up Guide
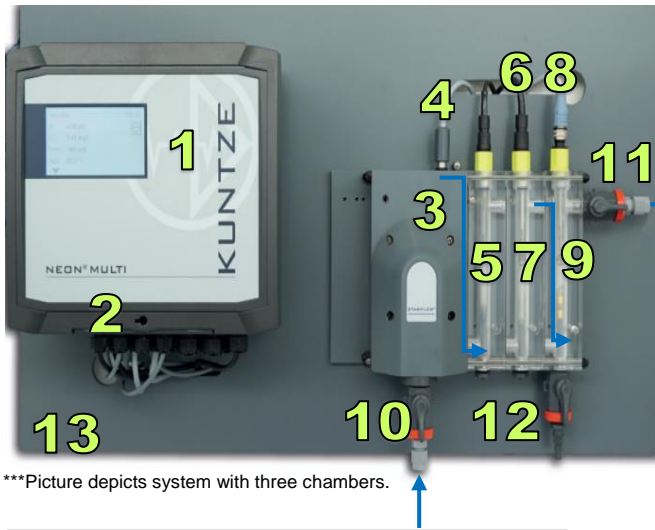

***Picture depicts system with three chambers.

Key

1 – Neon Multi Instrument

2 – Lock Pin

3 – Argon Stabiflow

4 – FTG Temperature Cable

5 – Optional third measurement sensor

6 – pH Cable

7 – Flow Cell Chamber for pH Sensor

8 – Disinfection Cable

9 – Flow Cell Chamber for Disinfection Sensor

10 – Water Inflow Valve

11 – Water Outflow Valve

12 – Water Sampling Reference Valve

13 – Mounting Board

Cleaning Sensors

IMPORTANT: Sensors must be cleaned by hand before being inserted into their respective chamber!

1. How to clean pH sensor:

- Remove sensor from assembly and cable
- Wipe off any pollution with paper tissue, rinse with water
- ***NEVER*** *use abrasive substances on glass bulb!*
- Use mild acid (dilute HCl) to remove stains, use alcohol to remove fats
- Rinse with water and reinstall

2. How to clean DIS sensor:

- Remove sensor from assembly and cable
- Wipe off any pollution with paper tissue, rinse with water
- Clean metal bands with powder detergent (ex. Comet), wipe gently
- Rinse with water and reinstall

Calibrating Sensors

pH Sensor

1. Menu > Cal > Cal pH
2. Calibrate sensor with pH 7 buffer solution followed by pH 4 buffer solution
3. Save results

DIS Sensor

1. ***IMPORTANT:*** *Clean sensor before proceeding with calibration!*
2. Using water sample taken from Sampling Reference Valve, perform DPD test
3. Menu > Cal > Cal DIS > enter DPD reference value > Ok > Save

Inserting Sensors

1. Insert pH sensor into the Flow Cell Chamber for the pH Sensor (7) and screw on the pH cable
2. Insert Disinfection sensor into the Flow Cell Chamber for the Disinfection Sensor (9) and screw on the Disinfection Cable

General Steps

1. Mount the system upright on the wall
2. **Insert clean sensors**
3. Power on system
4. **Check flow**
5. **Calibrate sensors**
6. If needed, set user specific settings – see operations manual
    a. ASR
    b. 4 – 20 mA
    c. Relay Alarms

IMPORTANT: Secure lock pin after opening and closing your system to protect from water damage!

Check Your Flow

Make sure the Water Sampling Reference Valve is in the closed position.

System needs proper flow to operate. "Digital input 1 – no water" will show on display screen if flow is not strong enough.

Flow minimum: 5 psi   Flow maximum: 87 psi

Power Requirements

System comes with US power cord

Line Voltage:
85-265 V AC, 50-60 Hz

Power Consumption:
10 VA

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Spare Parts List		
Sensors		
Part Number	***Name***	***Description***
24131110K	Zirkon® pH	All-purpose pH sensor: 1mm ceramic junction, Tepox gel, S8 plug (swivel PG 13.5), 120mm
24135140K	Zirkon® DIS	Sensor: 2 gold rings, ceramic junction, Tepox gel, M12 plug (swivel PG 13.5), for Free Chlorine, Chlorine dioxide, and Ozone
24137001K	Zirkon® FTG	Flow monitor, temperature sensor and ground for Argon Stabiflow
Cables		
Part Number	***Name***	***Description***
41117101D	COAX-D-AE-1.2	Connection cable for pH or ORP sensor
44136406K	5SCR-M12-AE-1.0	Connection cable for disinfection sensor; Type of cable: 5-core, 5 x 0.25 Somme, screen; Cable length: 0.8m; Type of plug: M12 (female, other end with wire sleeves; Temperature range: -20…+70C
Rebuild Kits		

To see exploded view of Argon Stabiflow, open manual to section 20.3.3 Operations and Maintenance

Part Number	***Name***	***Description***	
39500005K	Argon® Connection pkg	Inlet, outlet and sample cock 3x ball valve 1/4"	2x hose attachment 1/4" 6/8 1x hose barb 1/4" 3x O-ring 6x3 FKM 3x O-ring 11x3 FKM
39500006K	Argon® spare parts pkg 1	Membrane springs and valve pin, 1 membrane, 1 spring pressure side, 1 spring chamber side, 1 valve pin	
39500007K	Argon® spare parts pkg 2	Filter 5x stainless Steel 500um filter 5x o-ring FKM 26x1.5	
39500008K	Argon® spare parts pkg 3	1x o-ring FKM 12x2; 1x o-ring FKM 73x2 1x o-ring FKM 26x2; 1x o-ring FKM 26x1,5 1x o-ring FKM 5x1,8; 3x o-ring FKM 6x3	1x o-ring FKM 19x2,5; 1x o-ring FKM 7,6x2,4 1x o-ring FKM 108x3; 3x o-ring FKM 11x3
39500011K	Argon® spare parts pkg 4	Spare parts inflow; 1x hex spud; 2x O-ring 26x2; 1x O-ring 5x1.8; 1x filter support; 1x ball	

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