

Open amperometric cells

ECL Series is designed for measuring free chlorine (both organic and inorganic).

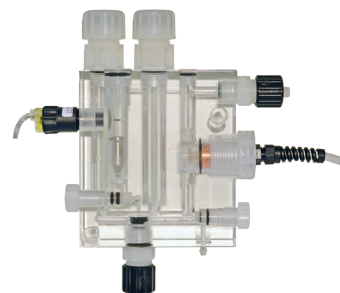
Open amperometric cells comprise an Off-line probe holders, a sensing electrode and a flow electrode.

Probe holders can contain up to three probes (temperature, pH and ORP).

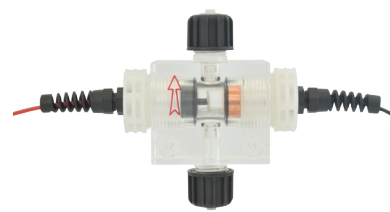
The flow of water within this cell must remain constant and within 40 l/h. A pressure stabilizer is available for areas subject to sudden pressure changes.

It is recommended to instal a filter before the probe holder.

- Chlorine probes (hypochlorous acid)
- Stable and reliable measurement even with low chlorine concentrations values
- Acrylic body
- Continuous sampling measurement
- Proximity flow sensor controlled (ECL6; ECL6/E; ECL7; ECL12; ECL12/E)



ECL6
ECL7
ECL12



ECL20
ECL21

CHLORINE in water can be present in different combination:

| | |
|--------------------------|---|
| FREE CHLORINE ACTIVE: | HOCl (hypochlorous acid) |
| COMBINED CHLORINE: | Monochloramine, dichloramine, trichloramine (DPD4-DPD1 analysis system) |
| FREE ORGANIC CHLORINE: | Free chlorine with isocyanide acid (DPD1 analysis system) |
| FREE INORGANIC CHLORINE: | Free chlorine. (DPD1 analysis system) |
| TOTAL CHLORINE: | Free chlorine and combined chlorine. (DPD4 analysis system) |

MODELS

- ECL20 FOR FREE CHLORINE (ORGANIC AND INORGANIC) FOR FRESH WATER
- ECL21 FOR FREE CHLORINE (ORGANIC AND INORGANIC) FOR SALT WATER
- ECL6 FOR FREE CHLORINE (ORGANIC AND INORGANIC)
- ECL7 FOR FREE CHLORINE (ORGANIC AND INORGANIC)
- ECL6/E FOR FREE CHLORINE (ORGANIC AND INORGANIC)
- ECL12 FOR FREE CHLORINE (ORGANIC AND INORGANIC) FOR SALT WATER
- ECL12/E FOR FREE CHLORINE (ORGANIC AND INORGANIC) FOR SALT WATER

Open amperometric cells

ECL6
ECL6/E

| | ECL6 | ECL6/E |
|---|--|-------------|
| Parameter | FREE CHLORINE (ORGANIC AND INORGANIC) / BROMINE | |
| Measuring range | 0-10 mg/l (0-10 ppm) resolution: ± 0.05 | |
| Connection | 2 wires (+red; -black) | |
| Measuring system | amperometric - 2 electrodes (platinum/copper; on request gold/copper) | |
| Ph working range | 6-8 pH | |
| Run-in-time | First polarization: 2 h about Next polarizations: 50 min. about | |
| Response time | T_{90} : 2 min. about | |
| Zero point adjustment | See Operating manual: "Probe alignment" | |
| Slope calibration | See Operating manual: "Probe alignment" - DPD1 method | |
| Alcalinity | 100 ppm | |
| Working temperature | 5-40° C (41-104°F) | |
| Pressure | 0.4 - 5 bar (5.8 - 72.5 PSI) | |
| Cable (standard) | 2 m (6.6 ft); 1 m if assembled on panel | |
| Working flow | 40 l/h | |
| Suitable as probe holder for | pH, ORP and temperature | temperature |
| Fittings for connection to the sample pipeline | 6x8 | |
| Material | Electrode: platinum/copper Measurement cell: metacrylate (PMMA) | |
| Mounting | On flat vertical surface (panel, support, etc.). | |
| Storage | Frost and dry protected (5-40° C) | |
| Maintenance | Regular control of the signal SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY. | |

Open amperometric cells

ECL7

| | ECL7 |
|---|--|
| Parameter | FREE CHLORINE (ORGANIC AND INORGANIC) |
| Measuring range | 0-10 mg/l (0-10 ppm) resolution: ± 0.05 |
| Connection | 2 wires (+red; -black) |
| Measuring system | amperometric - 2 electrodes (platinum/copper; on request gold/copper) |
| Ph working range | 6-8 pH |
| Run-in-time | First polarization: 2 h about Next polarizations: 50 min. about |
| Response time | T_{90} : 2 min. about |
| Zero point adjustment | See Operating manual: "Probe alignment" |
| Slope calibration | See Operating manual: "Probe alignment" - DPD1 method |
| Alcalinity | 100 ppm |
| Working temperature | 5-40° C (41-104°F) |
| Pressure | 0.4 - 5 bar (5.8 - 72.5 PSI) |
| Cable (standard) | 2 m (6.6 ft); 1 m if assembled on panel |
| Working flow | 40 l/h |
| Suitable as probe holder for | pH, Redox (PG13,5) e temperature |
| Fittings for connection to the sample pipeline | 6x8 |
| Material | Electrode: platinum/copper Measurement cell: metacrylate (PMMA) |
| Mounting | On flat vertical surface (panel, support, etc.). |
| Storage | Frost and dry protected (5-40° C) |
| Maintenance | Regular control of the signal SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY. |

Open amperometric cells

ECL12
ECL12/E

| | ECL12 | ECL12/E |
|---|--|-------------|
| Parameter | FREE CHLORINE (ORGANIC AND INORGANIC) FOR SALT WATER | |
| Measuring range | 0-10 mg/l (0-10 ppm) resolution: ± 0.05 | |
| Connection | 2 wires (+red; -black) | |
| Measuring system | amperometric - 2 electrodes (platinum/silver) | |
| Ph working range | 6-8 pH | |
| Run-in-time | First polarization: 2 h about Next polarizations: 50 min. about | |
| Response time | T_{90} : 2 min. about | |
| Zero point adjustment | See Operating manual: "Probe alignment" | |
| Slope calibration | See Operating manual: "Probe alignment" - DPD1 method | |
| Alcalinity | 100 ppm | |
| Working temperature | 5-40° C (41-104°F) | |
| Pressure | 0.4 - 5 bar (5.8 - 72.5 PSI) | |
| Cable (standard) | 2 m (6.6 ft); 1 m if assembled on panel | |
| Working flow | 40 l/h | |
| Suitable as probe holder for | pH, ORP and temperature | temperature |
| Fittings for connection to the sample pipeline | 6x8 | |
| Material | Electrode: platinum/silver Measurement cell: metacrylate (PMMA) | |
| Mounting | On flat vertical surface (panel, support, etc.). | |
| Storage | Frost and dry protected (5-40° C) | |
| Maintenance | Regular control of the signal SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY. | |

Open amperometric cells

ECL20

| | ECL20 |
|---|--|
| Parameter | FREE CHLORINE (ORGANIC AND INORGANIC) FOR FRESH WATER |
| Measuring range | 0-10 mg/l (0-10 ppm) resolution: ± 0.05 |
| Connection | 2 wires (+red; -black) |
| Measuring system | amperometric - 2 electrodes |
| Ph working range | 6-8 pH |
| Run-in-time | First polarization: 2 h about Next polarizations: 50 min. about |
| Response time | T_{90} : 2 min. about |
| Zero point adjustment | See Operating manual: "Probe alignment" |
| Slope calibration | See Operating manual: "Probe alignment" - DPD1 method |
| Alcalinity | 100 ppm |
| Working temperature | 5-40° C (41-104°F) |
| Pressure | 0.4 - 5 bar (5.8 - 72.5 PSI) |
| Cable (standard) | 2 m (6.6 ft); 1 m if assembled on panel |
| Working flow | 40 l/h |
| Fittings for connection to the sample pipeline | 6x8 |
| Material | Electrode: platinum/copper Measurement cell: metacrylate (PMMA) |
| Mounting | On flat vertical surface (panel, support, etc.). |
| Storage | Frost and dry protected (5-40° C) |
| Maintenance | Regular control of the signal SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY. |

Open amperometric cells

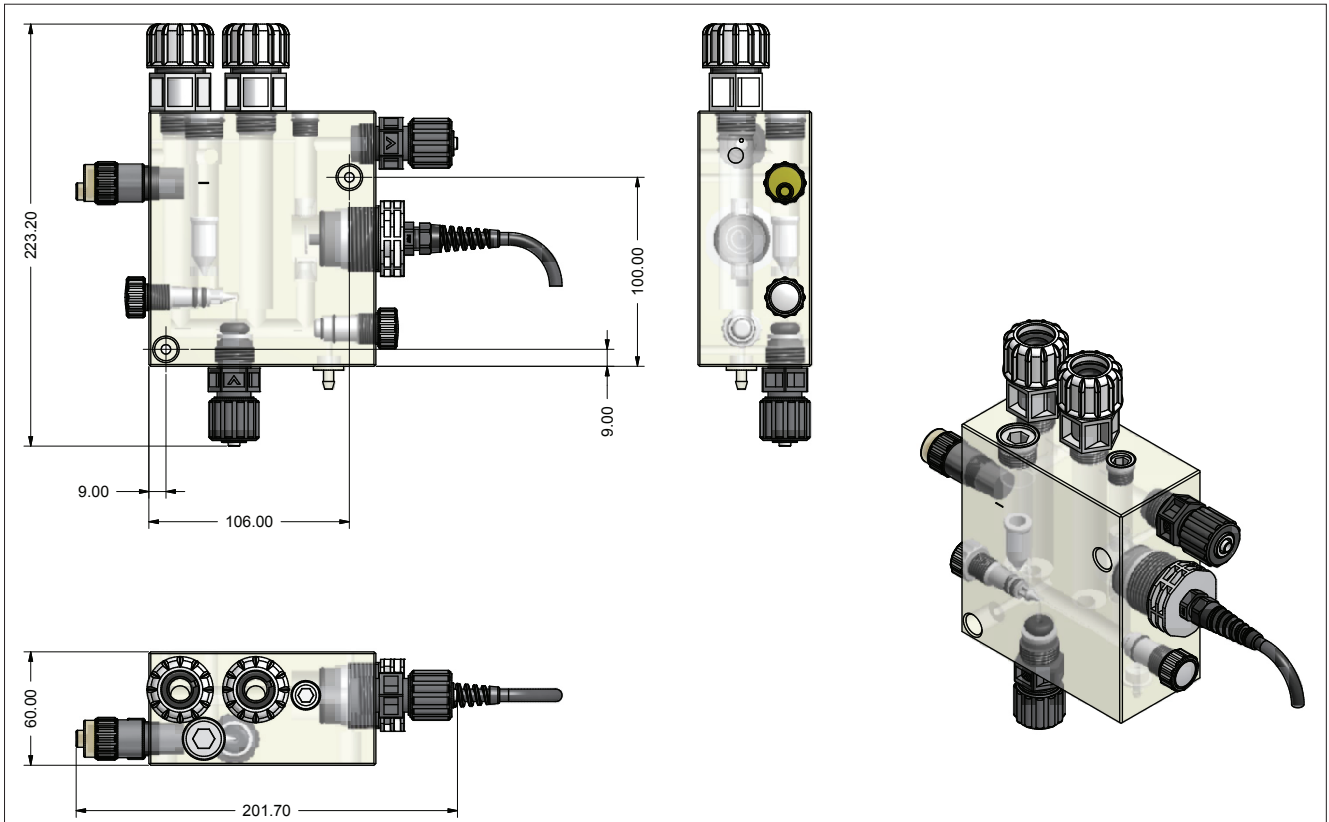
ECL21

| | ECL21 |
|---|--|
| Parameter | FREE CHLORINE (ORGANIC AND INORGANIC) FOR SALT WATER |
| Measuring range | 0-10 mg/l (0-10 ppm) resolution: ± 0.05 |
| Connection | 2 wires (+red; -black) |
| Measuring system | amperometric - 2 electrodes |
| Ph working range | 6-8 pH |
| Run-in-time | First polarization: 2 h about Next polarizations: 50 min. about |
| Response time | T_{90} : 2 min. about |
| Zero point adjustment | See Operating manual: "Probe alignment" |
| Slope calibration | See Operating manual: "Probe alignment" - DPD1 method |
| Alcalinity | 100 ppm |
| Working temperature | 5-40° C (41-104°F) |
| Pressure | 0.4 - 5 bar (5.8 - 72.5 PSI) |
| Cable (standard) | 2 m (6.6 ft); 1 m if assembled on panel |
| Working flow | 40 l/h |
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| Material | Electrode: platinum/silver Measurement cell: metacrylate (PMMA) |
| Mounting | On flat vertical surface (panel, support, etc.). |
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| Maintenance | Regular control of the signal SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY. |

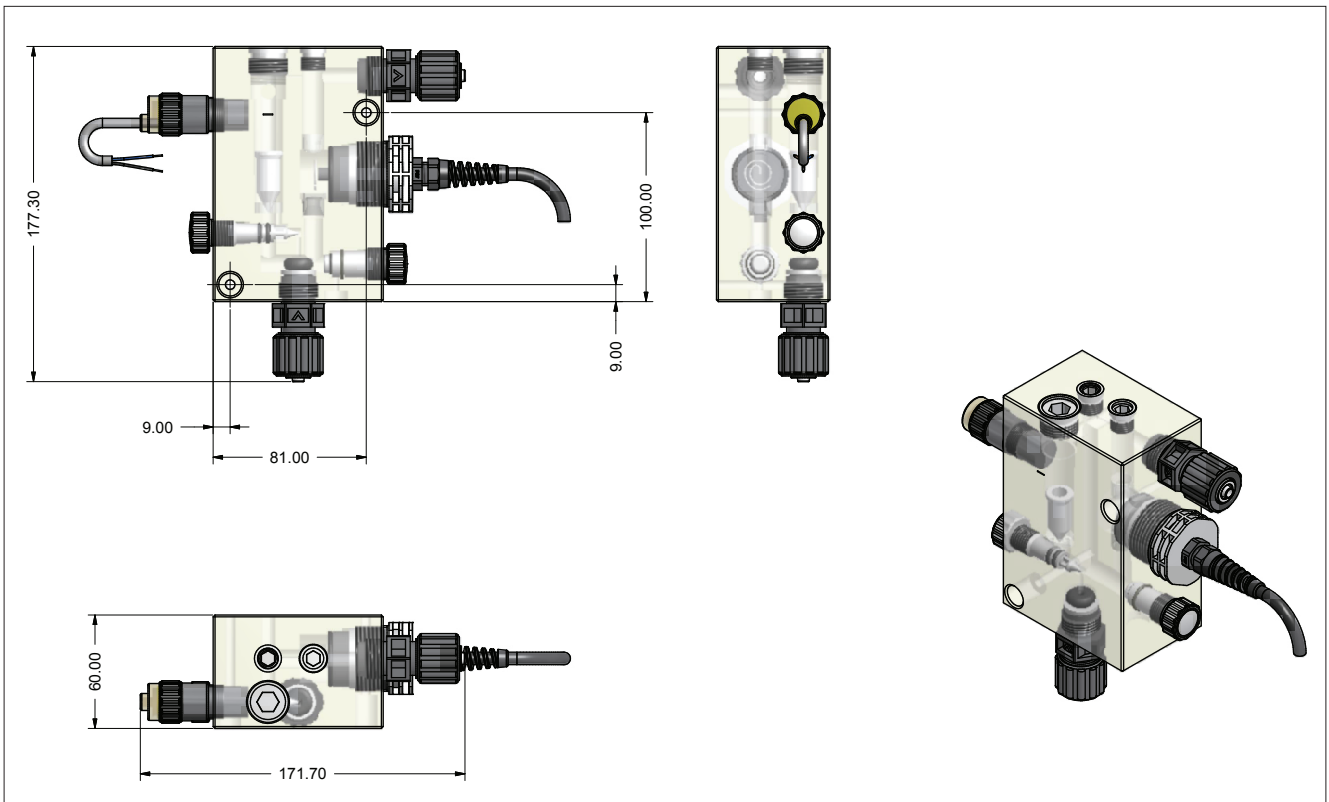
Open amperometric cells

DIMENSIONS

ECL12



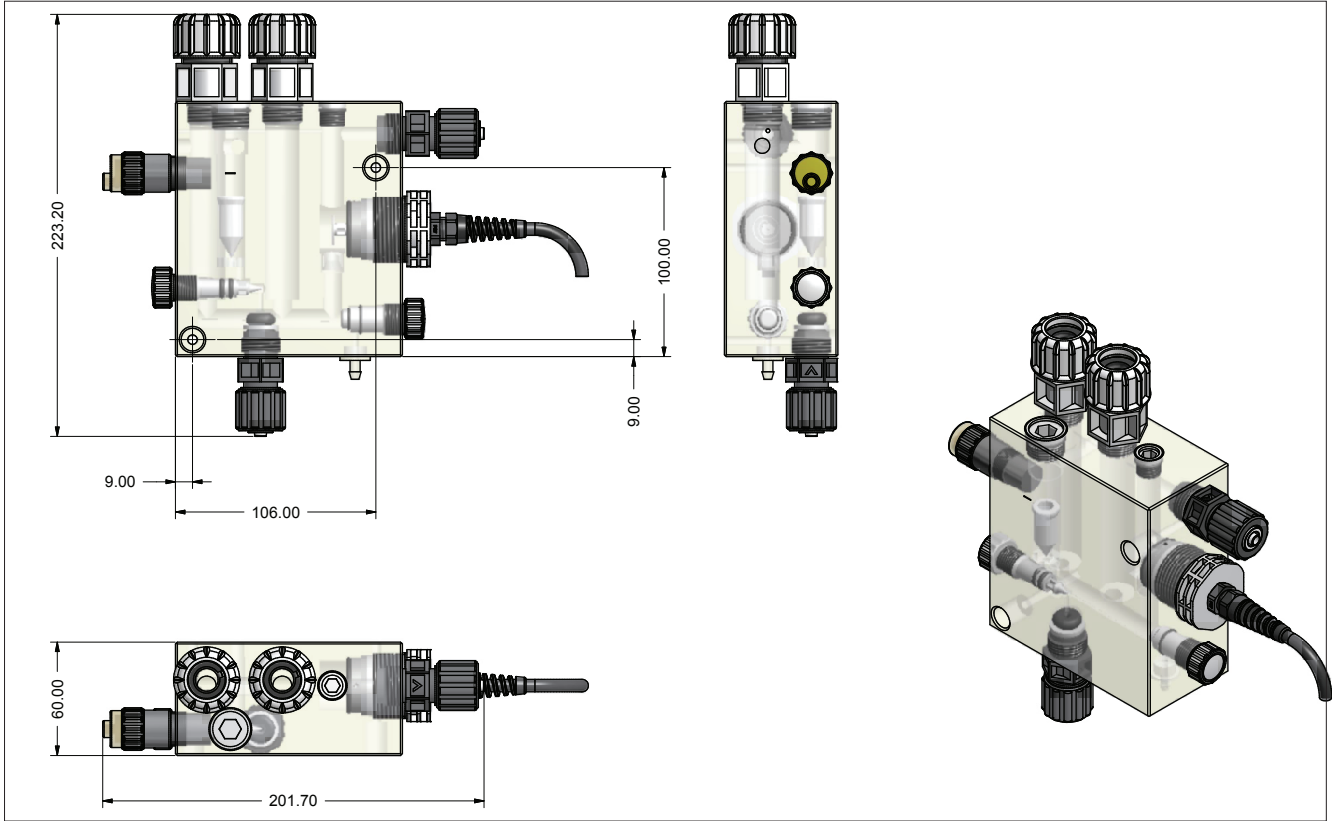
ECL12/E



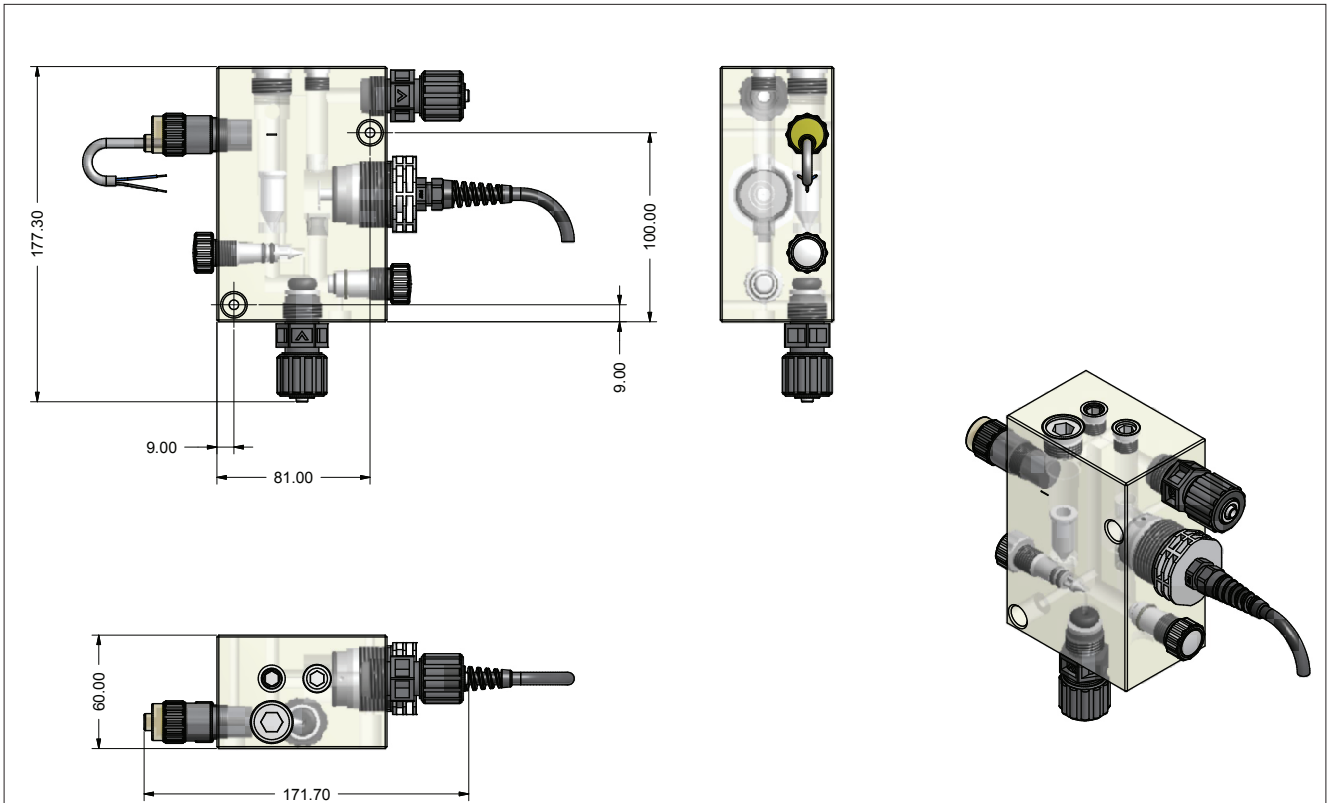
Open amperometric cells

DIMENSIONS

ECL6 / ECL7



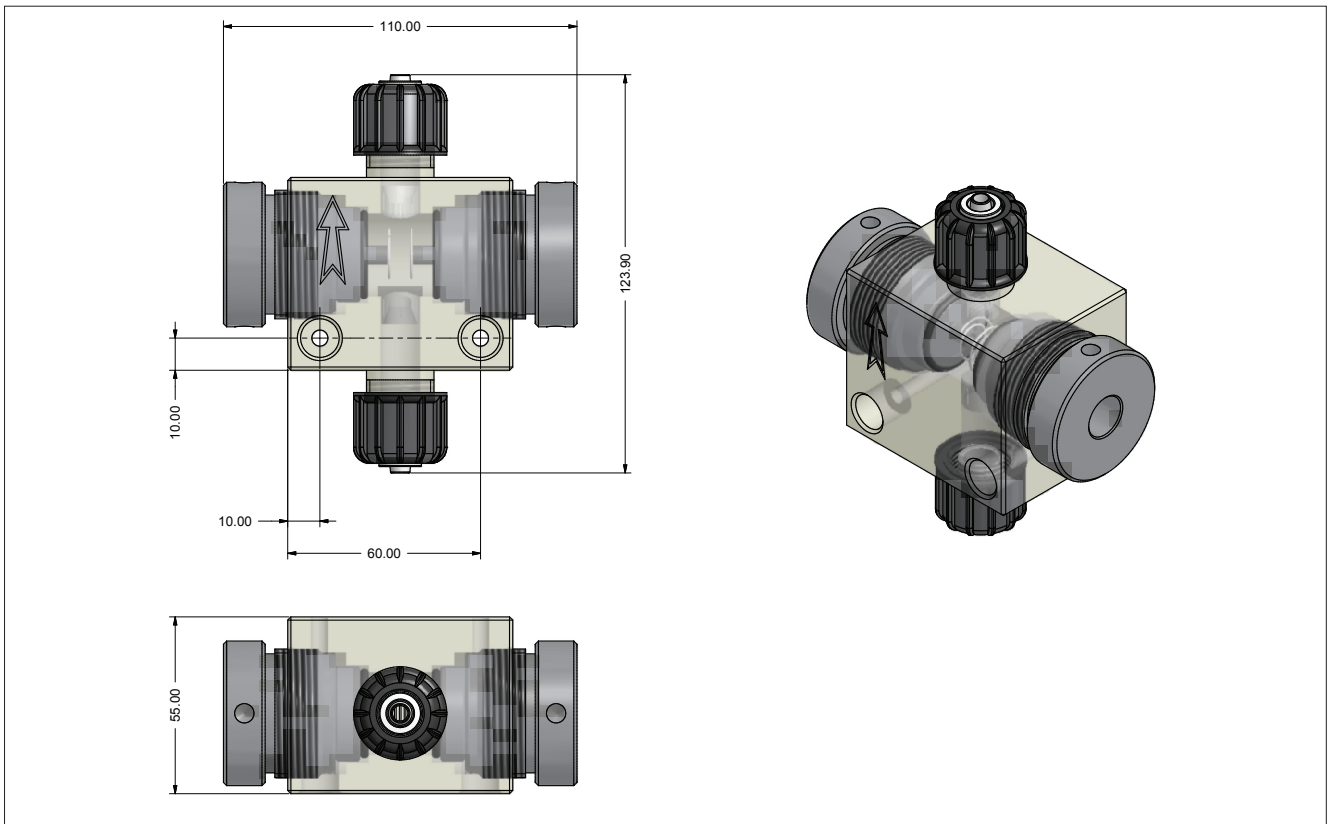
ECL6/E



Open amperometric cells

DIMENSIONI

ECL21



ECL20

