

Open amperometric cells

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

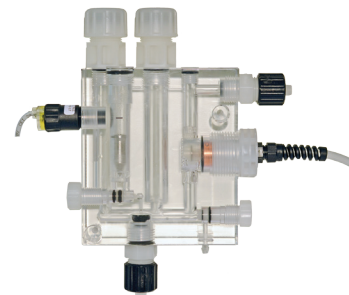
Open amperometric cells comprise an Off-line probe holders, a sensing electrode and a flow electrode.

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

R21221

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	min 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	min 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	min 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.).	
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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	min 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
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Mounting	On flat vertical surface (panel, support, etc.).
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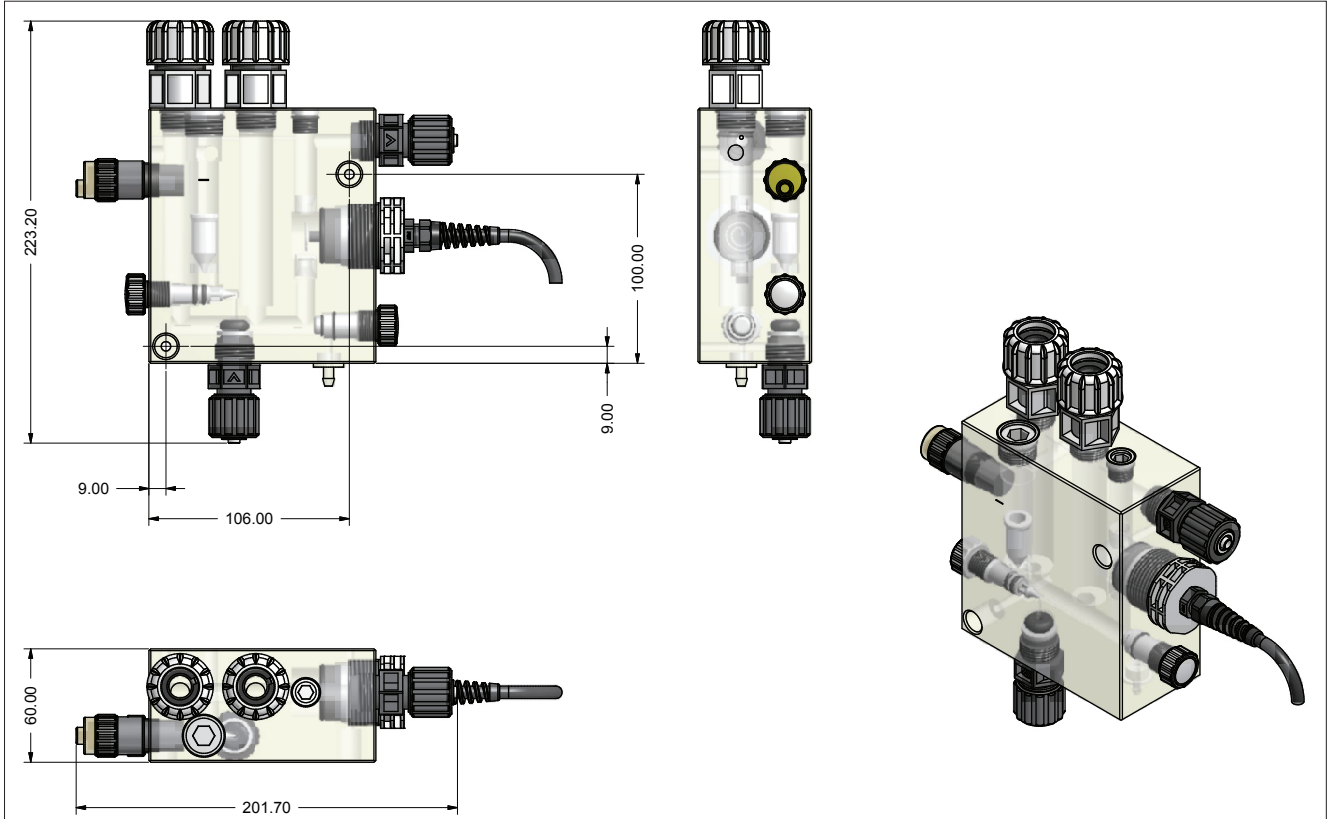
ECL21

	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	min 100 ppm
Working temperature	5-40° C (41-104°F)
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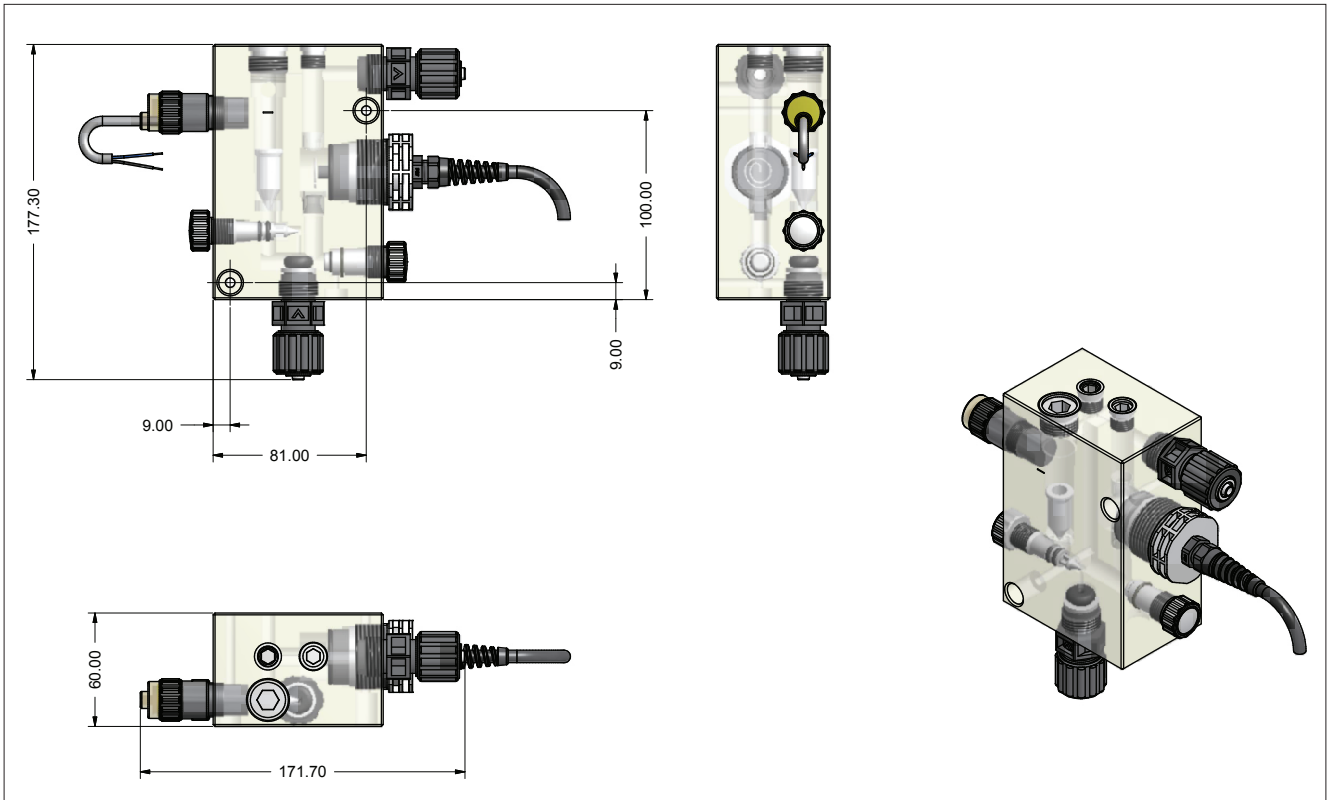
Open amperometric cells

DIMENSIONS

ECL12



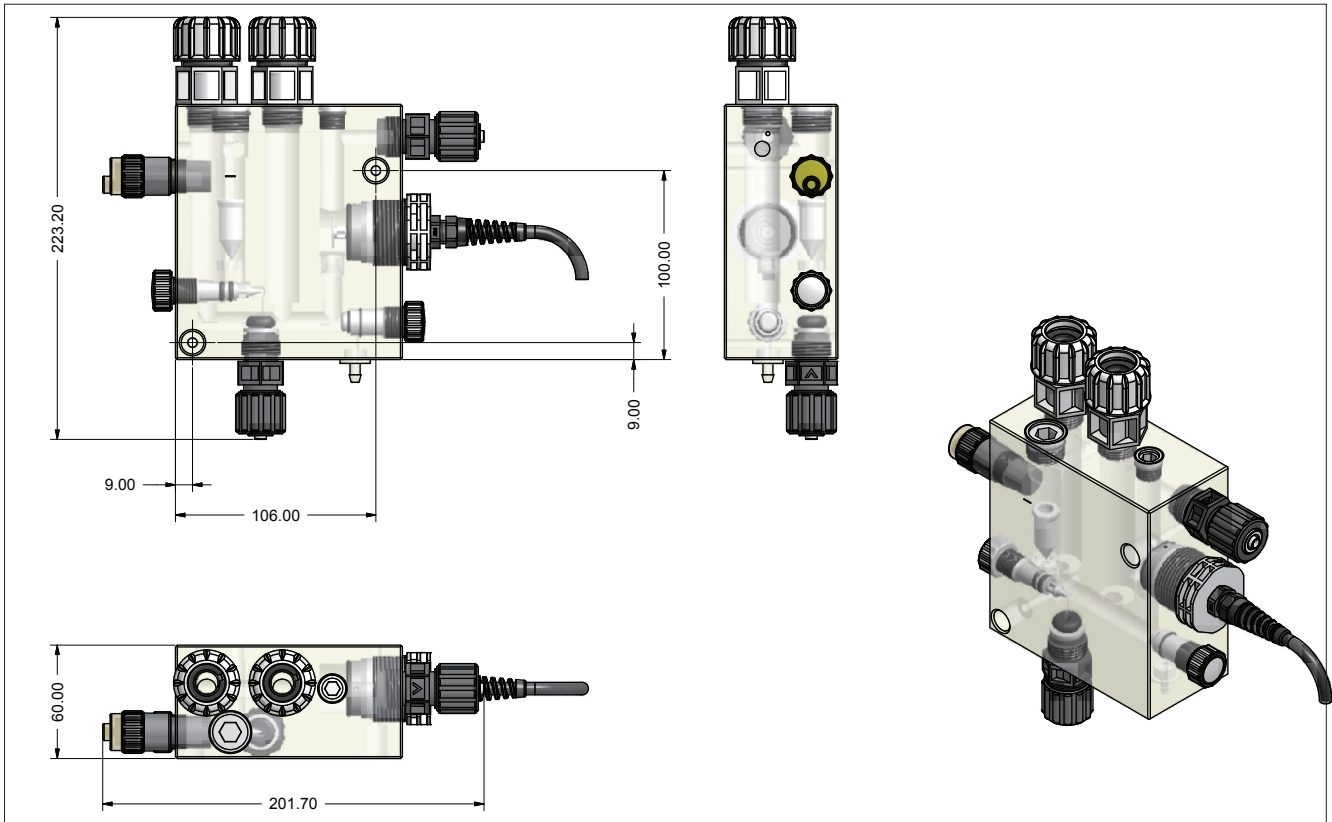
ECL12/E



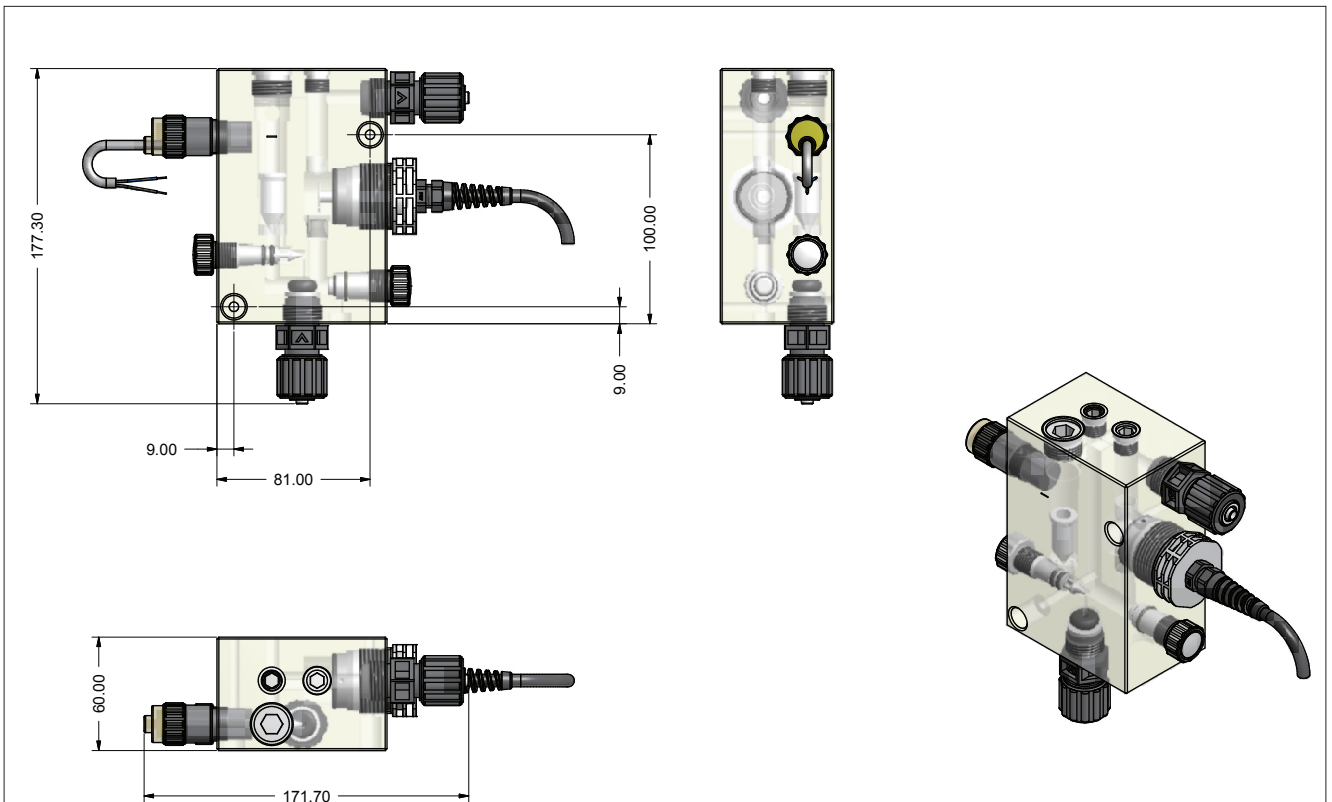
Open amperometric cells

DIMENSIONS

ECL6 / ECL7



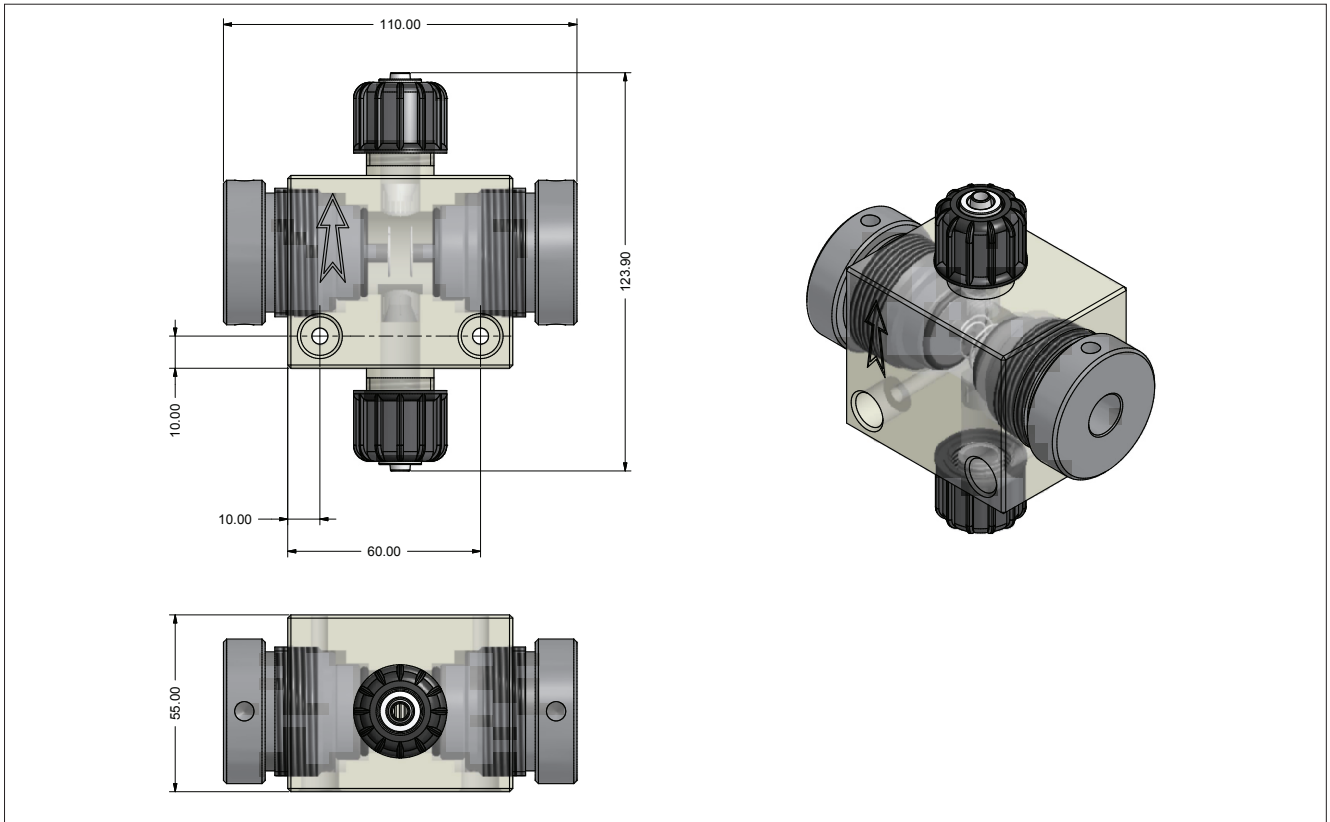
ECL6/E



Open amperometric cells

DIMENSIONI

ECL21



ECL20

