

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)

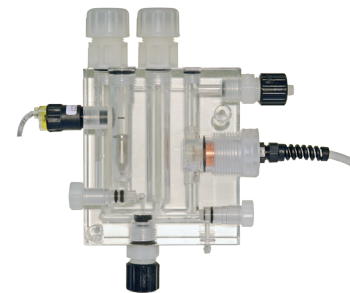
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CHLORINE in water can be present in different combination:

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



ECL6  
ECL7  
ECL12



ECL20  
ECL21

ECL6  
 ECL6/E

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

ECL7

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

ECL12  
 ECL12/E

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



## ECL20

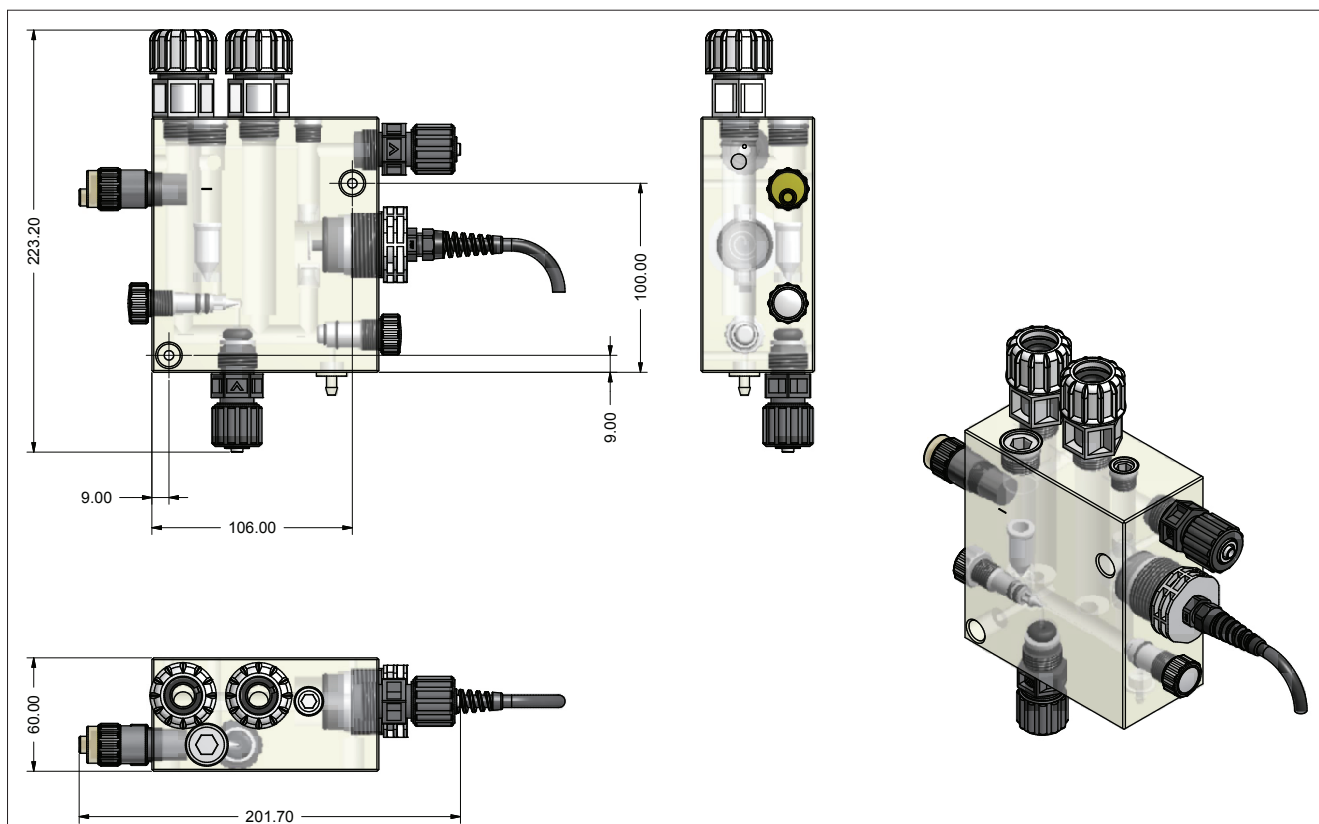
	<b>ECL20</b>
<b>Parameter</b>	FREE CHLORINE (ORGANIC AND INORGANIC) FOR FRESH WATER
<b>Measuring range</b>	0-10 mg/l (0-10 ppm) resolution: $\pm 0.05$
<b>Connection</b>	2 wires (+red; -black)
<b>Measuring system</b>	amperometric - 2 electrodes
<b>Ph working range</b>	6-8 pH
<b>Run-in-time</b>	First polarization: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

## ECL21

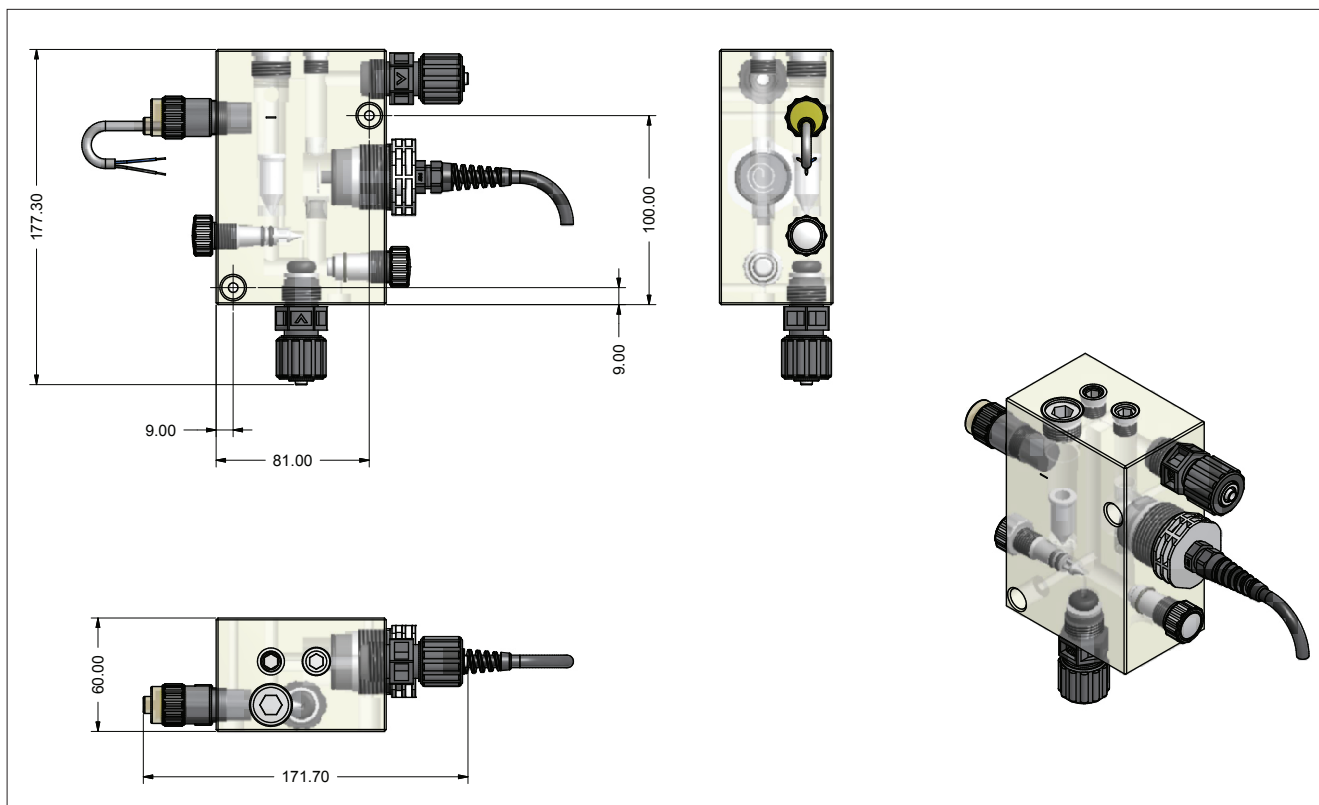
	<b>ECL21</b>
<b>Parameter</b>	FREE CHLORINE (ORGANIC AND INORGANIC) FOR SALT WATER
<b>Measuring range</b>	0-10 mg/l (0-10 ppm) resolution: $\pm 0.05$
<b>Connection</b>	2 wires (+red; -black)
<b>Measuring system</b>	amperometric - 2 electrodes
<b>Ph working range</b>	6-8 pH
<b>Run-in-time</b>	First polarization: 2 h about Next polarizations: 50 min. about
<b>Response time</b>	T <sub>90</sub> : 2 min. about
<b>Zero point adjustment</b>	See Operating manual: "Probe alignment"
<b>Slope calibration</b>	See Operating manual: "Probe alignment" - DPD1 method
<b>Alcalinity</b>	min 100 ppm
<b>Working temperature</b>	5-40° C (41-104°F)
<b>Pressure</b>	0.4 - 5 bar (5.8 - 72.5 PSI)
<b>Cable (standard)</b>	2 m (6.6 ft); 1 m if assembled on panel
<b>Working flow</b>	40 l/h
<b>Fittings for connection to the sample pipeline</b>	6x8
<b>Material</b>	Electrode: platinum/silver Measurement cell: metacrylate (PMMA)
<b>Mounting</b>	On flat vertical surface (panel, support, etc.).
<b>Storage</b>	Frost and dry protected (5-40° C)
<b>Maintenance</b>	Regular control of the signal SHORTEN THE MAINTENANCE INTERVALS APPROPRIATELY DEPENDING ON WATER QUALITY.

## DIMENSIONS

## ECL12

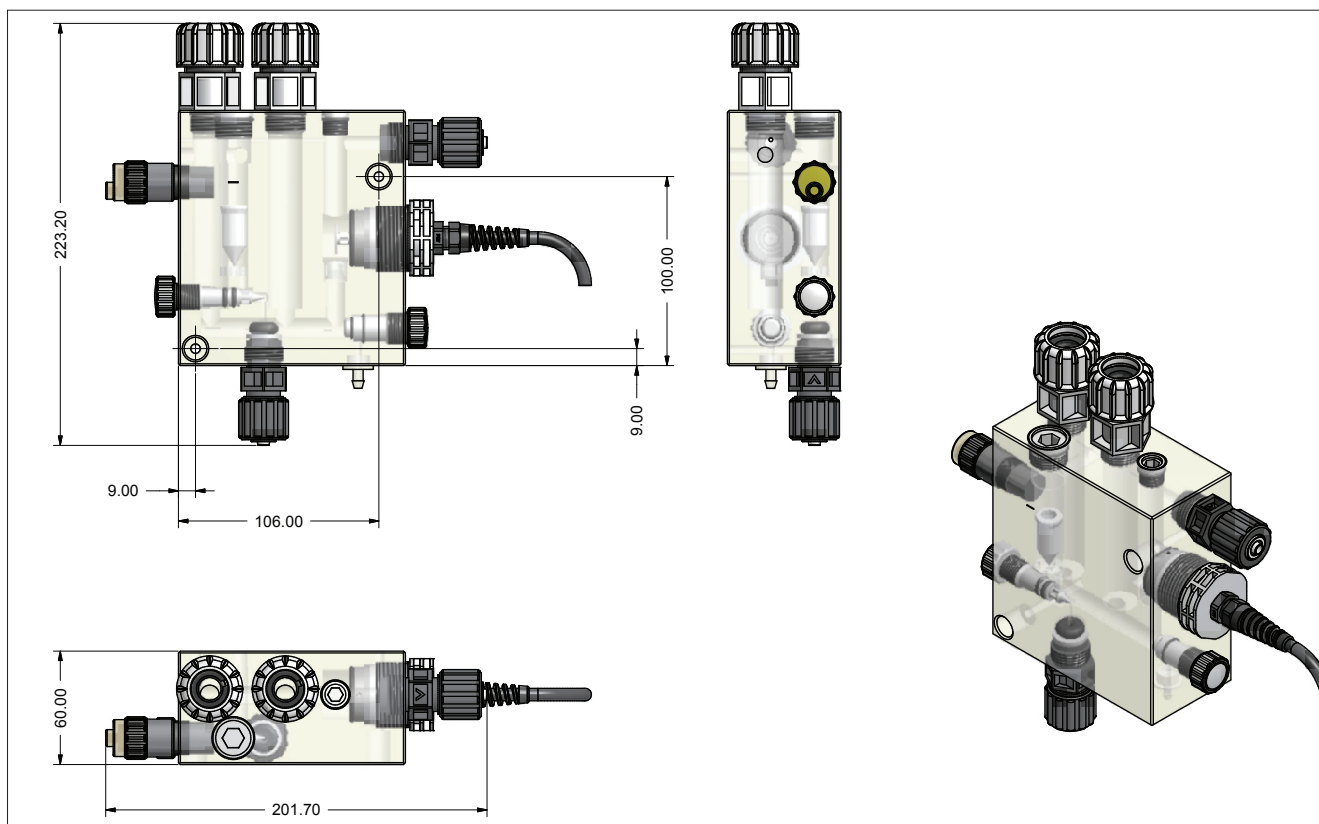


## ECL12/E

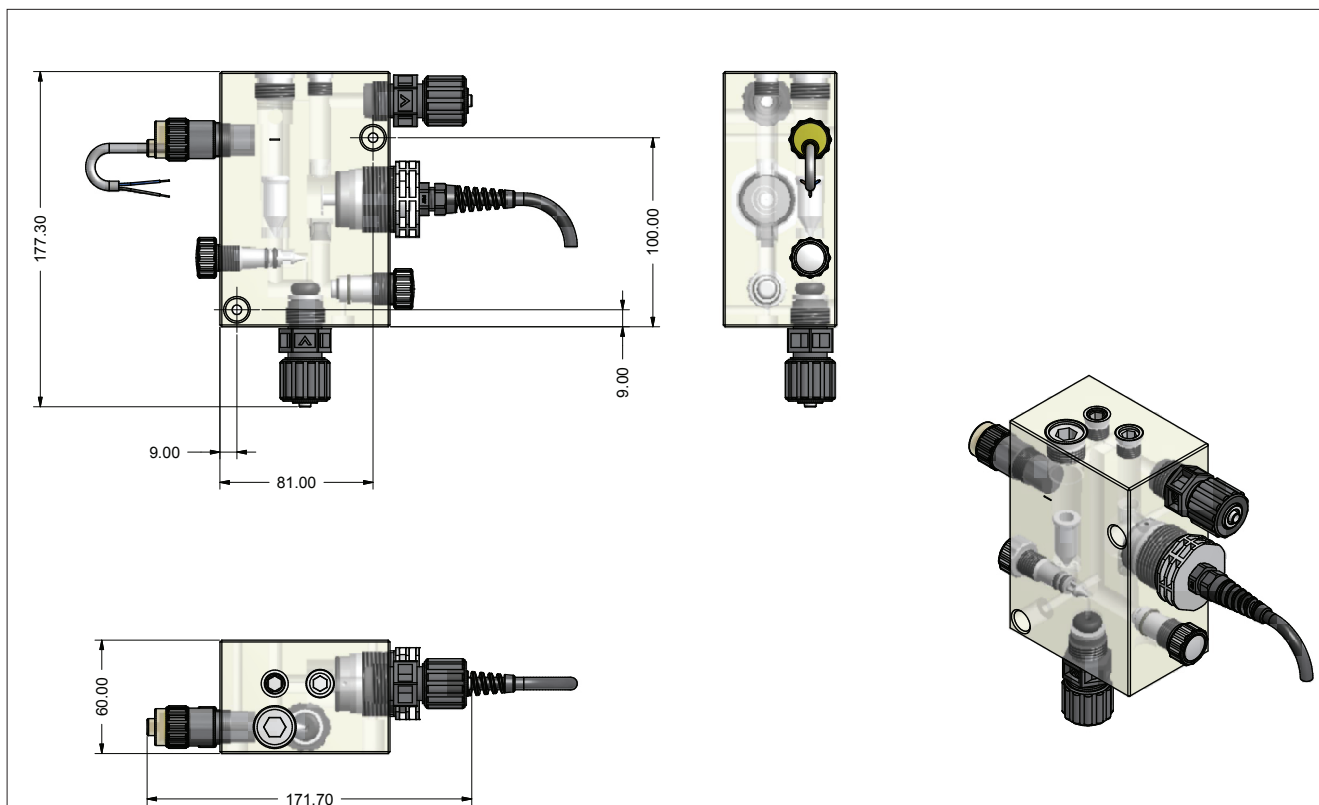


## DIMENSIONS

## ECL6 / ECL7

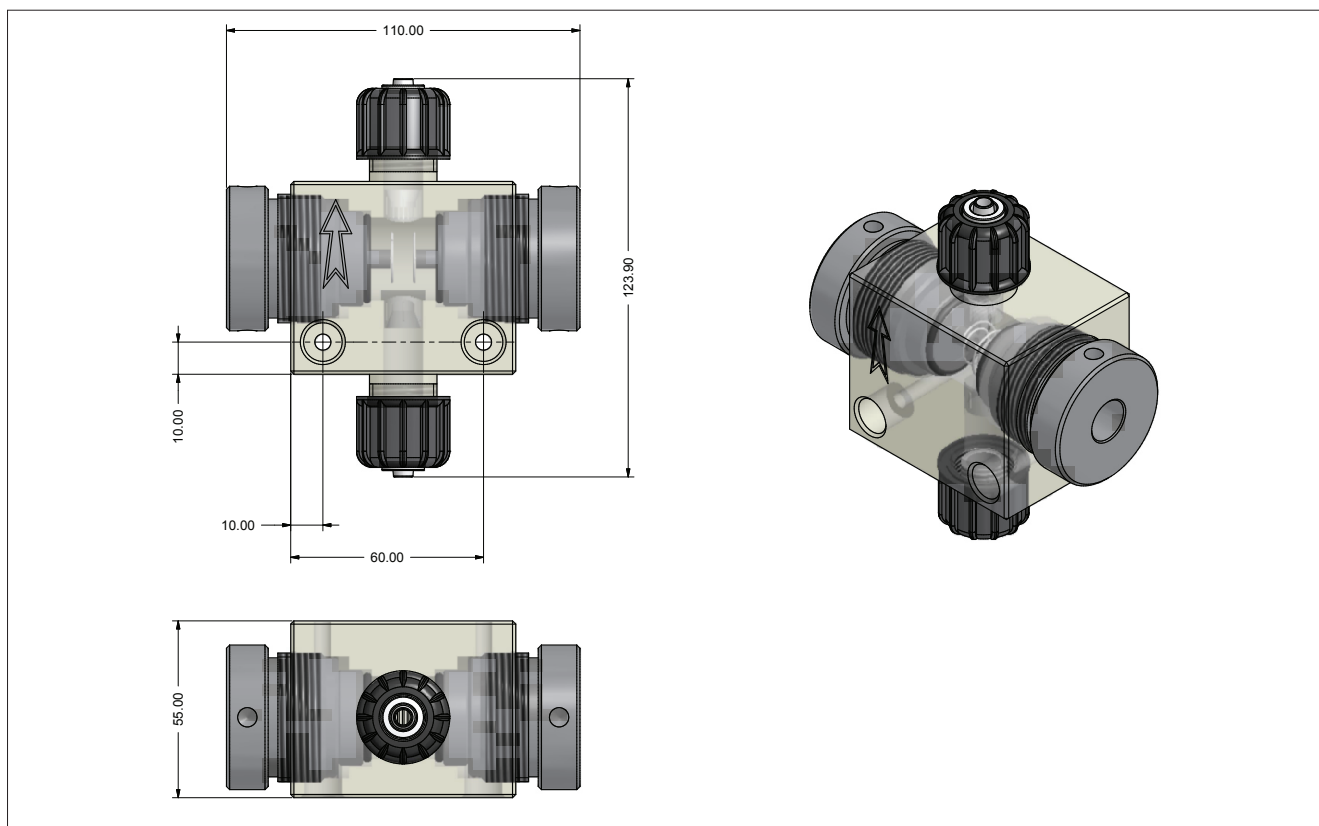


## ECL6/E



## DIMENSIONI

## ECL21



## ECL20

