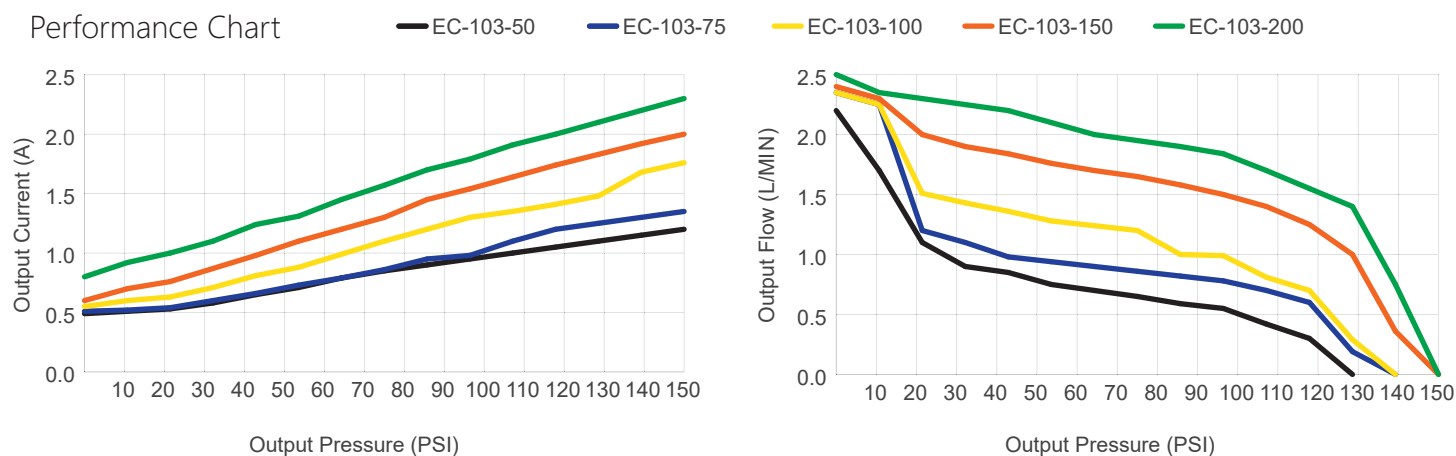




EC-103 Series

The 3rd generation of original RO booster pumps. Suite for pipeline pressure at 30 psi. Available for 50, 75, 100, 150, and 200 GPD RO system.

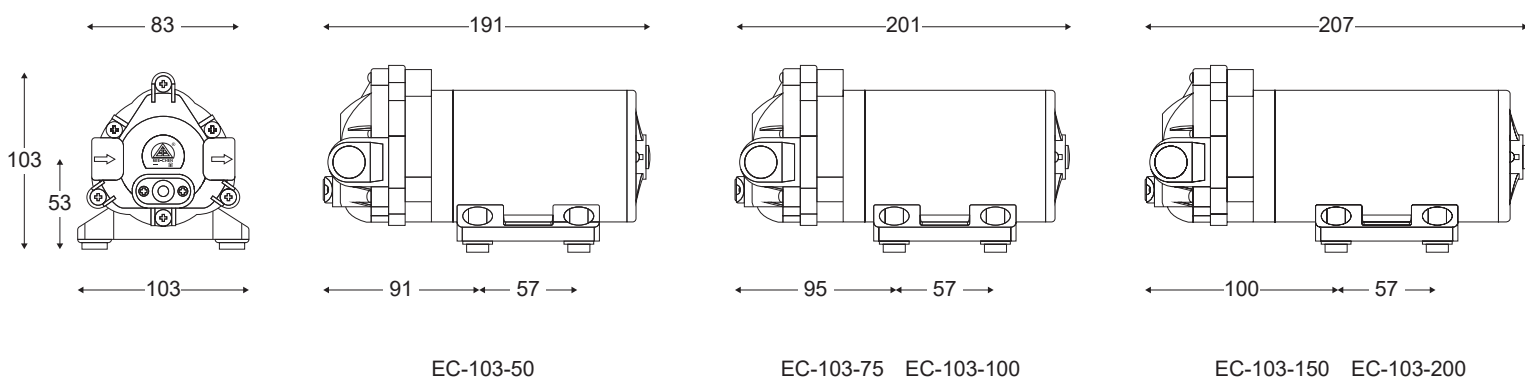
Performance Chart



Models	EC-103-50	EC-103-75	EC-103-100	EC-103-150	EC-103-200
Voltage	24VDC	24VDC	24VDC	24VDC	24VDC
Port	3/8"	3/8"	3/8"	3/8"	3/8"
Inlet Pressure	30PSI	30PSI	30PSI	30PSI	30PSI
Working Pressure	70PSI	70PSI	70PSI	70PSI	70PSI
Working Flow	≥0.55LPM	≥0.85LPM	≥1.10LPM	≥1.40LPM	≥1.60LPM
Working Current	≤0.8A	≤1.0A	≤1.2A	≤1.4A	≤1.6A
Maximum Current	≤1.0A	≤1.4A	≤1.8A	≤2.0A	≤2.2A
Bypass Pressure	110-150PSI	110-150PSI	110-150PSI	110-150PSI	110-150PSI

Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing

Product Dimensions

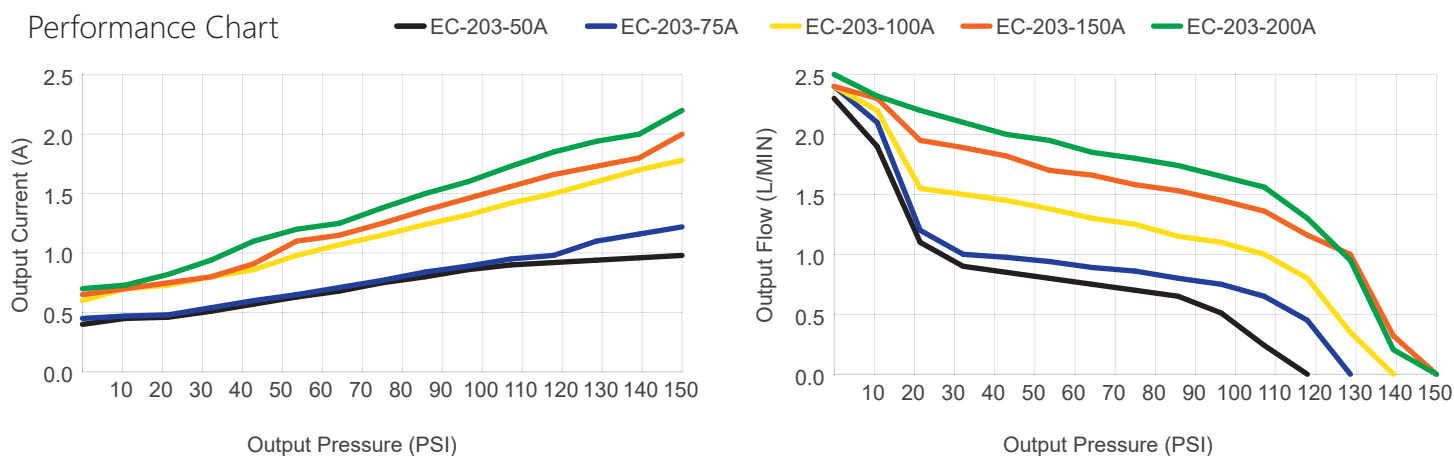




EC-203 Series

Advanced technology to stabilize outlet pressure at 70psi while inlet pressure is between 10-40 psi. The advantage of constant working pressure at 70psi is to extent membrane's life and no need to worry unstable inlet pressure. Available for 50, 75, 100 and 200 GPD RO system.

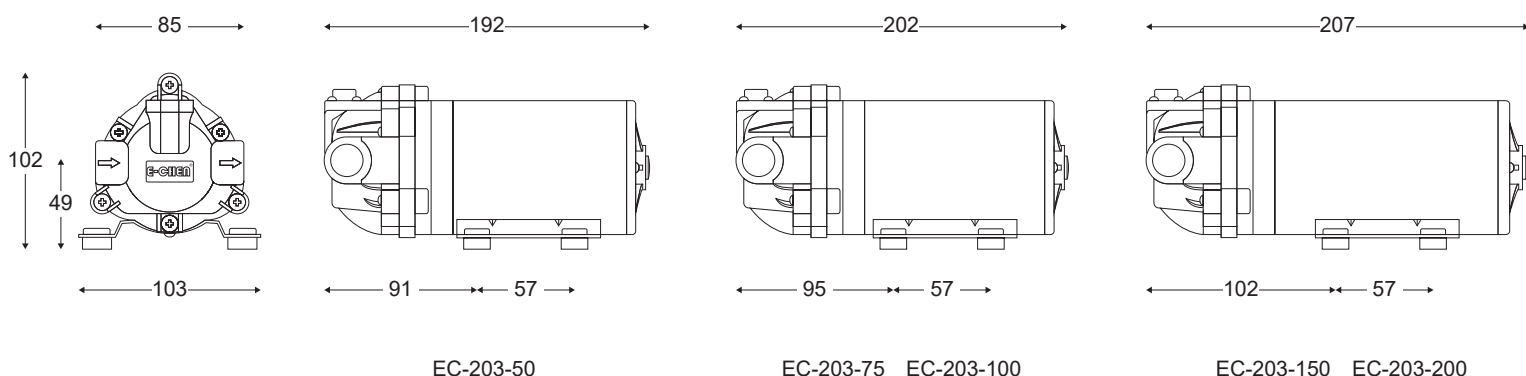
Performance Chart



Models	EC-203-50A	EC-203-75A	EC-203-100A	EC-203-150A	EC-203-200A
Voltage	24VDC	24VDC	24VDC	24VDC	24VDC
Port	3/8"	3/8"	3/8"	3/8"	3/8"
Inlet Pressure	10-40PSI	10-40PSI	10-40PSI	10-40PSI	10-40PSI
Working Pressure	70PSI	70PSI	70PSI	70PSI	70PSI
Working Flow	≥0.55LPM	≥0.85LPM	≥1.10LPM	≥1.40LPM	≥1.60LPM
Working Current	≤0.8A	≤1.0A	≤1.2A	≤1.4A	≤1.6A
Maximum Current	≤1.0A	≤1.4A	≤1.8A	≤2.0A	≤2.2A
Bypass Pressure	110±10PSI	110±10PSI	120±10PSI	130±10PSI	130±10PSI

Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing

Product Dimensions

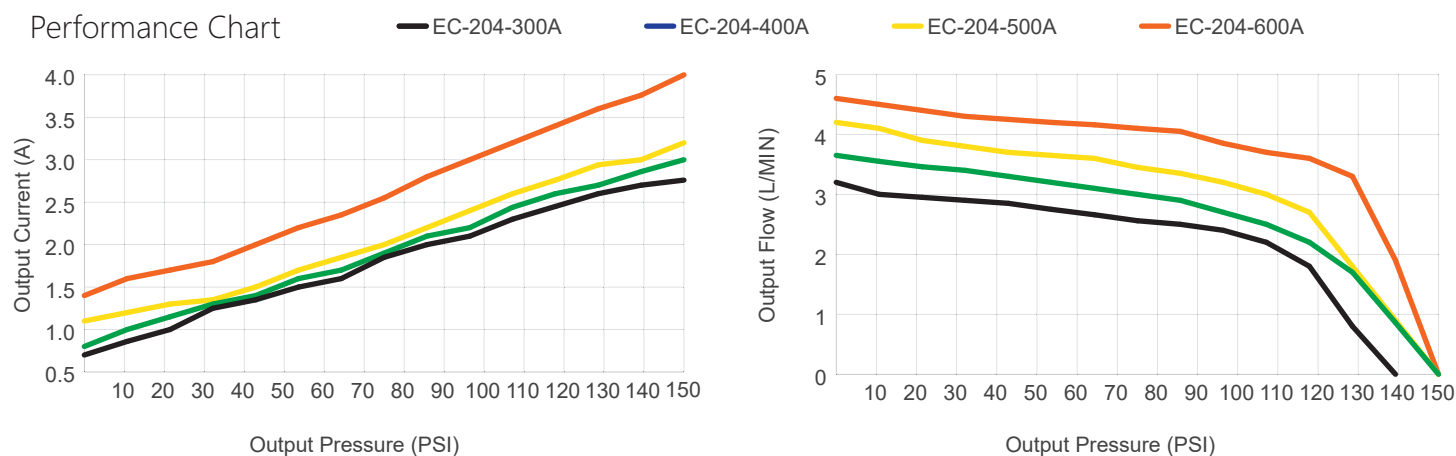




EC-204 Series

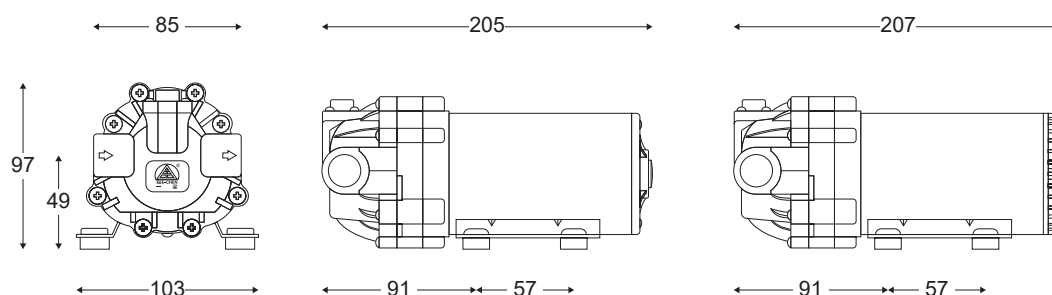
A big flux version of 203 series. The pump head uses 8 fasteners instead of 6 fasteners. Available for 300, 400, 500 and 600 GPD RO system.

Performance Chart



Models	EC-204-300A	EC-204-400A	EC-204-500A	EC-204-600A
Voltage	24VDC	24VDC	24VDC	24VDC
Port	3/8"	3/8"	3/8"	3/8"
Inlet Pressure	10-40PSI	10-40PSI	10-40PSI	10-40PSI
Working Pressure	70PSI	80PSI	80PSI	80PSI
Working Flow	≥2.00LPM	≥2.50LPM	≥3.20LPM	≥4.00LPM
Working Current	≤2.0A	≤2.2A	≤2.5A	≤3.0A
Maximum Current	≤2.8A	≤3.0A	≤3.5A	≤4.2A
Bypass Pressure	140±10PSI	150±10PSI	140±10PSI	140±10PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing				

Product Dimensions



EC-204-300A EC-204-400A

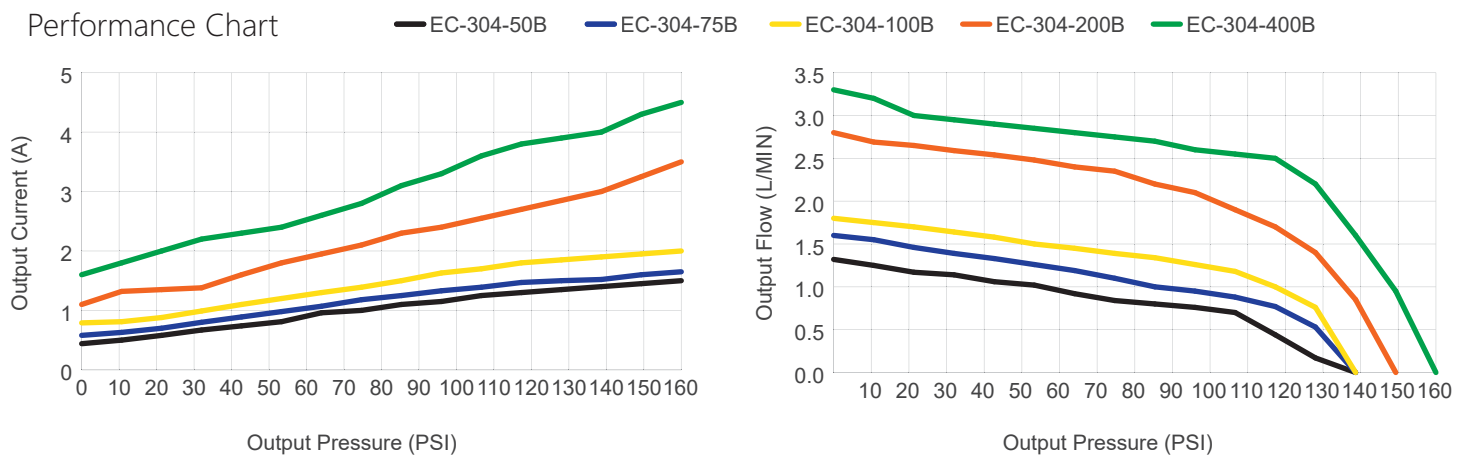
EC-204-500A EC-204-600A



EC-304 Series

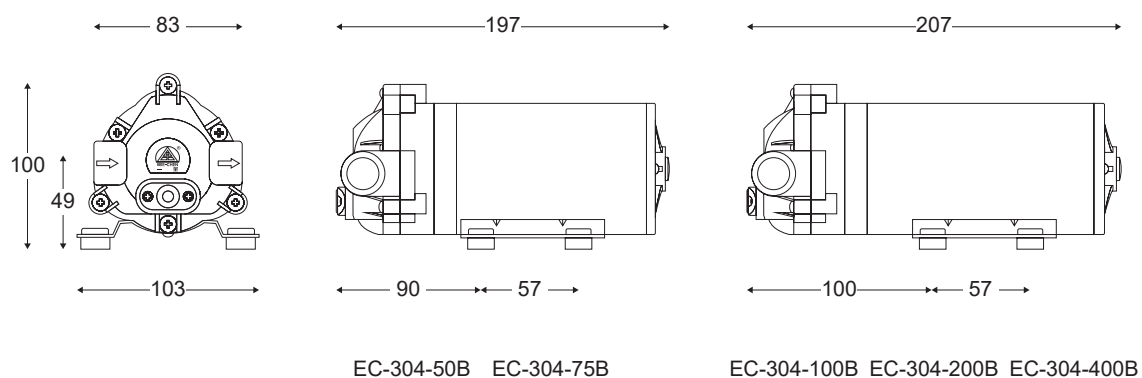
Designed for area where there is no domestic water system or have 0 inlet water pressure. Strong self-priming and boost power make 304 series tough enough for any circumstance. Available for 50, 75, 150, 200, 300 and 400 GPD RO system.

Performance Chart



Models	EC-304-50B	EC-304-75B	EC-304-100B	EC-304-200B	EC-304-400B
Voltage	24VDC	24VDC	24VDC	24VDC	24VDC
Port	3/8"	3/8"	3/8"	3/8"	3/8"
Inlet Pressure	0PSI	0PSI	0PSI	0PSI	0PSI
Working Pressure	70PSI	70PSI	70PSI	70PSI	70PSI
Working Flow	≥0.50LPM	≥0.80LPM	≥0.90LPM	≥1.40LPM	≥2.60LPM
Working Current	≤1.0A	≤1.2A	≤1.5A	≤2.4A	≤3.2A
Maximum Current	≤1.2A	≤1.5A	≤2.0A	≤2.8A	≤5.0A
Bypass Pressure	110-150PSI	110-150PSI	110-150PSI	120-160PSI	120-160PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing					

Product Dimensions

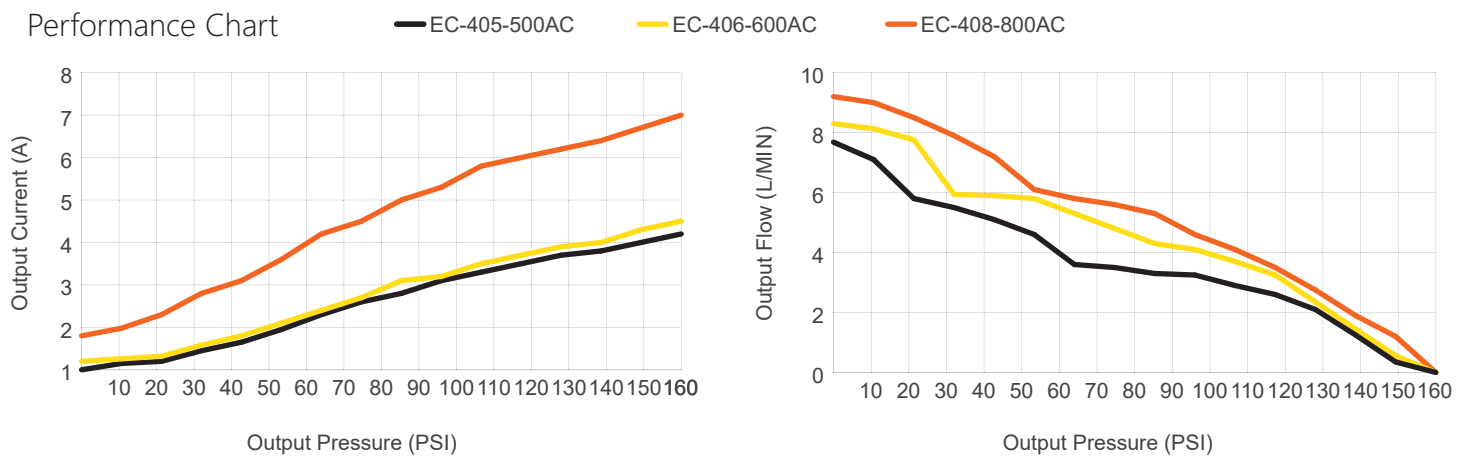




EC-40X Series

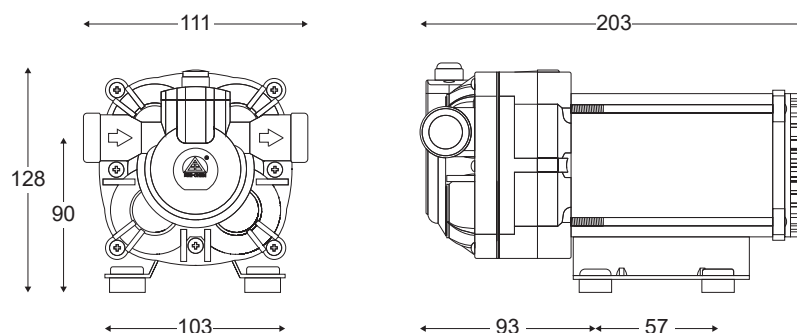
Designed for commercial RO system. 40X features the biggest flow of diaphragm pump in RO water field. Available for 500, 600 and 800 GPD RO system.

Performance Chart



Models	EC-405-500AC	EC-406-600AC	EC-408-800AC
Voltage	24VDC	24VDC	24VDC
Port	3/8"	3/8"	3/8"
Inlet Pressure	30PSI	30PSI	30PSI
Working Pressure	80PSI	80PSI	80PSI
Working Flow	≥3.20LPM	≥4.00LPM	≥5.30LPM
Working Current	≤2.8A	≤3.0A	≤4.0A
Maximum Current	≤4.3A	≤4.8A	≤5.5A
Bypass Pressure	130-170PSI	130-170PSI	130-170PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing			

Product Dimensions

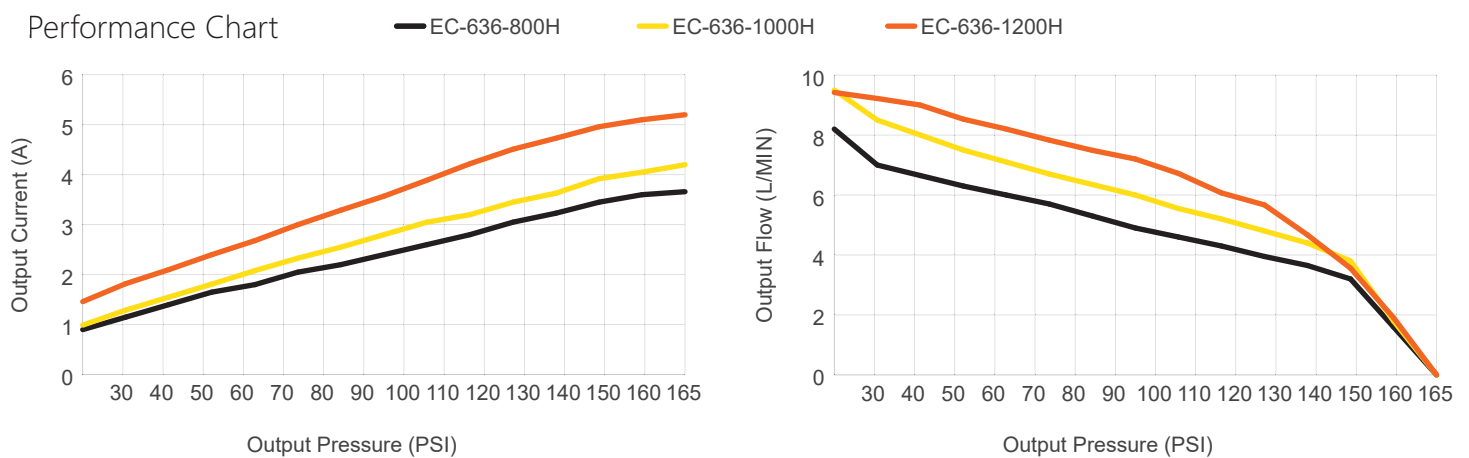




EC-636 Series

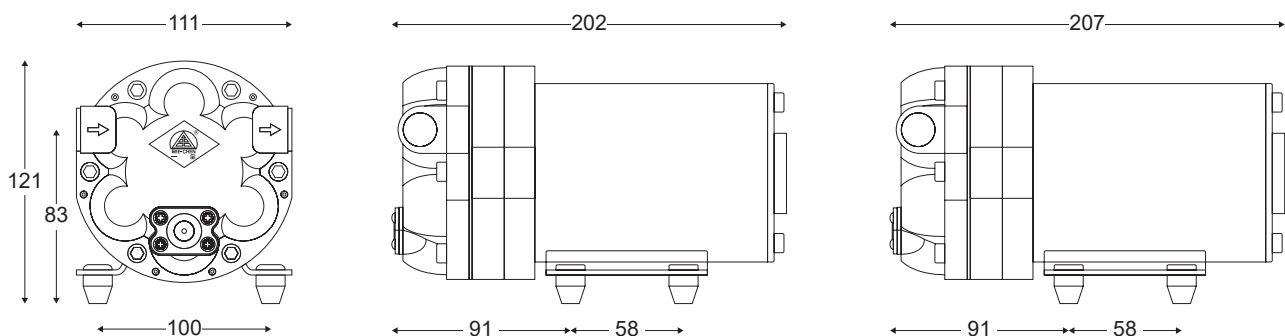
A new development. Designed for commercial Reverse Osmosis system. It features 6 chambers of pump head, patented core technology, and the ultra flow of diaphragm pump in RO water purification field. Available for 800, 1000 and 1200 GPD RO system.

Performance Chart



Models	EC-636-800H	EC-636-1000H	EC-636-1200H
Voltage	36VDC	36VDC	36VDC
Port	3/8"	3/8"	3/8"
Inlet Pressure	30PSI	30PSI	30PSI
Working Pressure	100PSI	100PSI	100PSI
Working Flow	≥4.80LPM	≥6.00LPM	≥7.20LPM
Working Current	≤3.0A	≤3.6A	≤4.5A
Maximum Current	≤4.5A	≤5.5A	≤6.5A
Bypass Pressure	150-175PSI	150-175PSI	150-175PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing			

Product Dimensions



EC-636-800H EC-636-1000H

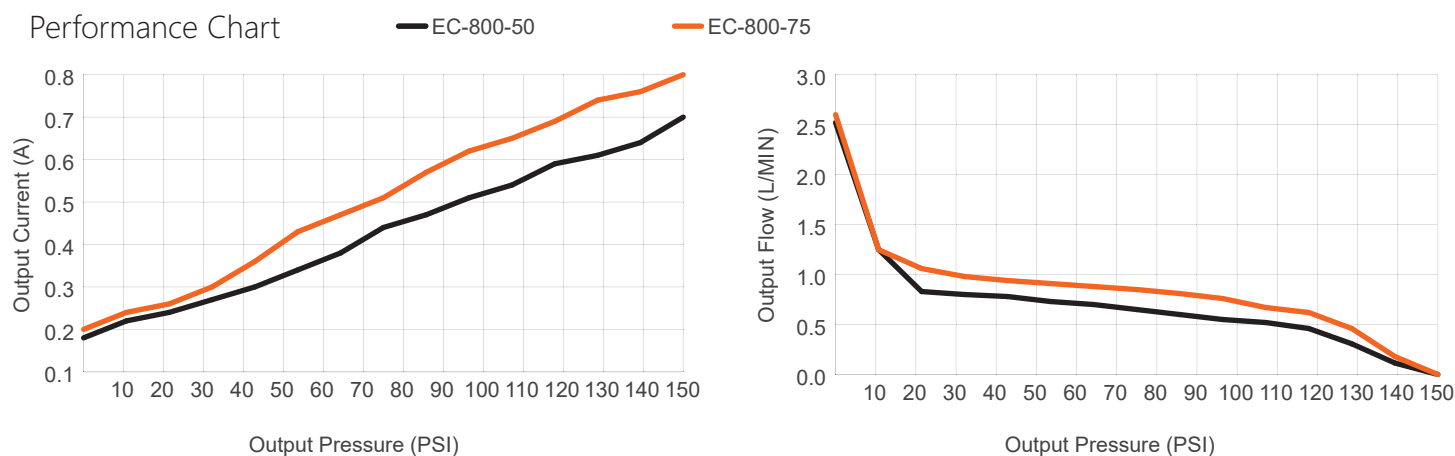
EC-636-1200H



EC-800 Series

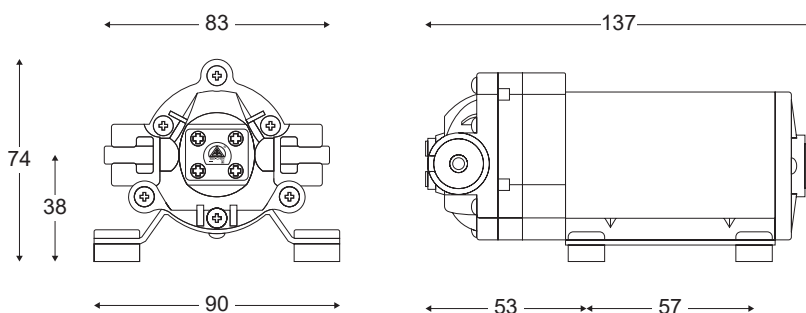
The smallest RO booster pump. Small and Economic pump but still powerful as 103 series. Suite for pipeline pressure at 30 psi. E-CHEN's RO booster pumps provide reliable outlet pressure for efficient membrane utilization. Available for 50 and 75 GPD Reverse Osmosis water system.

Performance Chart



Models	EC-800-50	EC-800-75
Voltage	24VDC	24VDC
Port	Ø6.3MM	Ø6.3MM
Inlet Pressure	30PSI	30PSI
Working Pressure	70PSI	70PSI
Working Flow	≥0.55LPM	≥0.80LPM
Working Current	≤0.8A	≤1.0A
Maximum Current	≤1.0A	≤1.4A
Bypass Pressure	110-150PSI	110-150PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing		

Product Dimensions

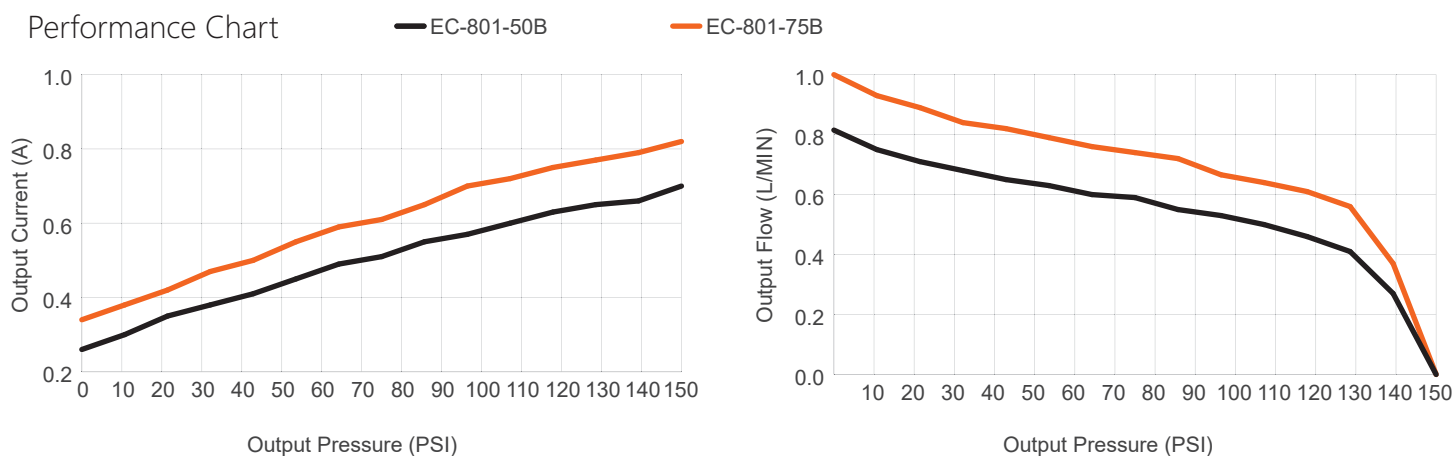




EC-801 Series

The smallest RO booster pump 801 series. Smaller, lighter but still Powerful as 304 series. Designed for area where there is no domestic water system or have 0 inlet water pressure. Strong self-priming and boost pressure make 801 series tough enough for any circumstance. Available at 50 and 75 GPD.

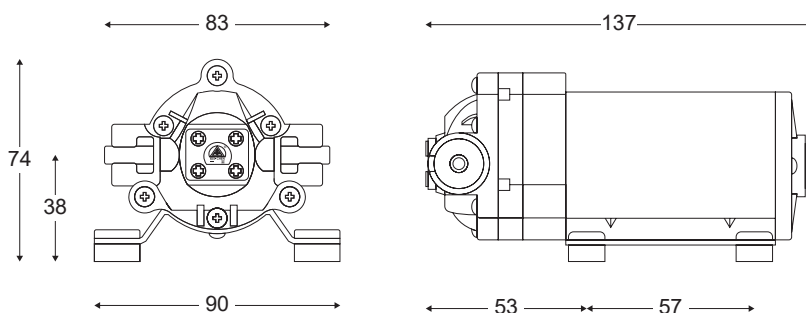
Performance Chart



Models	EC-801-50B	EC-801-75B
Voltage	24VDC	24VDC
Port	Ø6.3MM	Ø6.3MM
Inlet Pressure	0PSI	0PSI
Working Pressure	70PSI	70PSI
Working Flow	≥0.50LPM	≥0.80LPM
Working Current	≤1.0A	≤1.2A
Maximum Current	≤1.2A	≤1.5A
Bypass Pressure	110-150PSI	110-150PSI

Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing

Product Dimensions

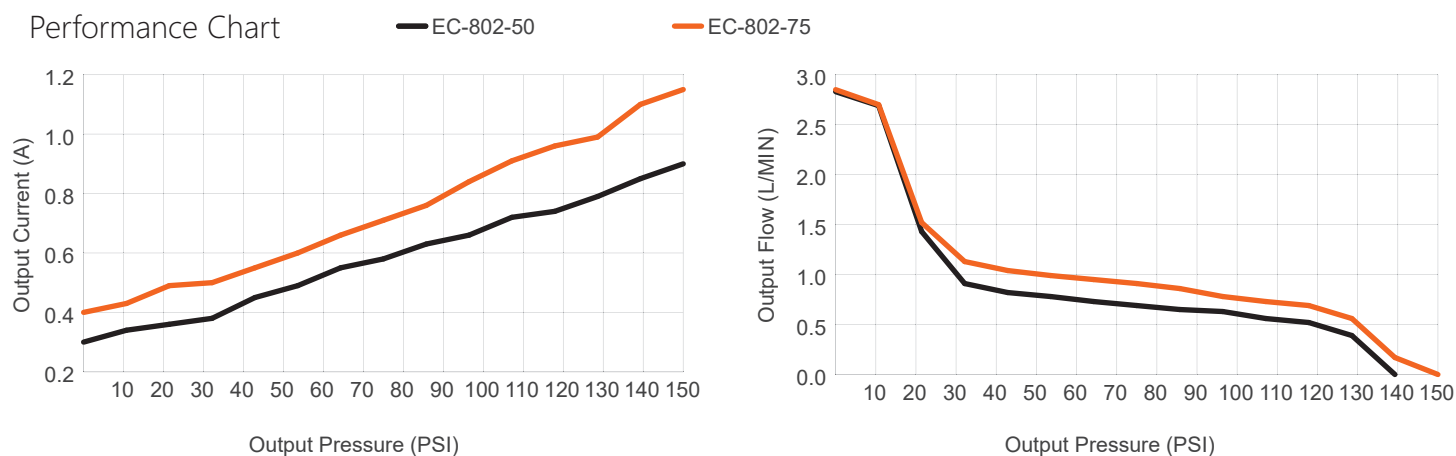




EC-802 Series

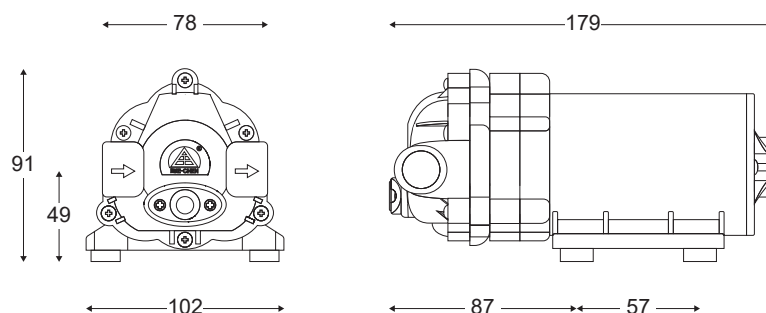
A compact size of 103 series. Economic pump but still powerful as 103 series. Available for 50 and 75 GPD RO system.

Performance Chart



Models	EC-802-50	EC-802-75
Voltage	24VDC	24VDC
Port	3/8"	3/8"
Inlet Pressure	30PSI	30PSI
Working Pressure	70PSI	70PSI
Working Flow	≥0.55LPM	≥0.85LPM
Working Current	≤0.8A	≤1.0A
Maximum Current	≤1.0A	≤1.4A
Bypass Pressure	110-150PSI	110-150PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing		

Product Dimensions

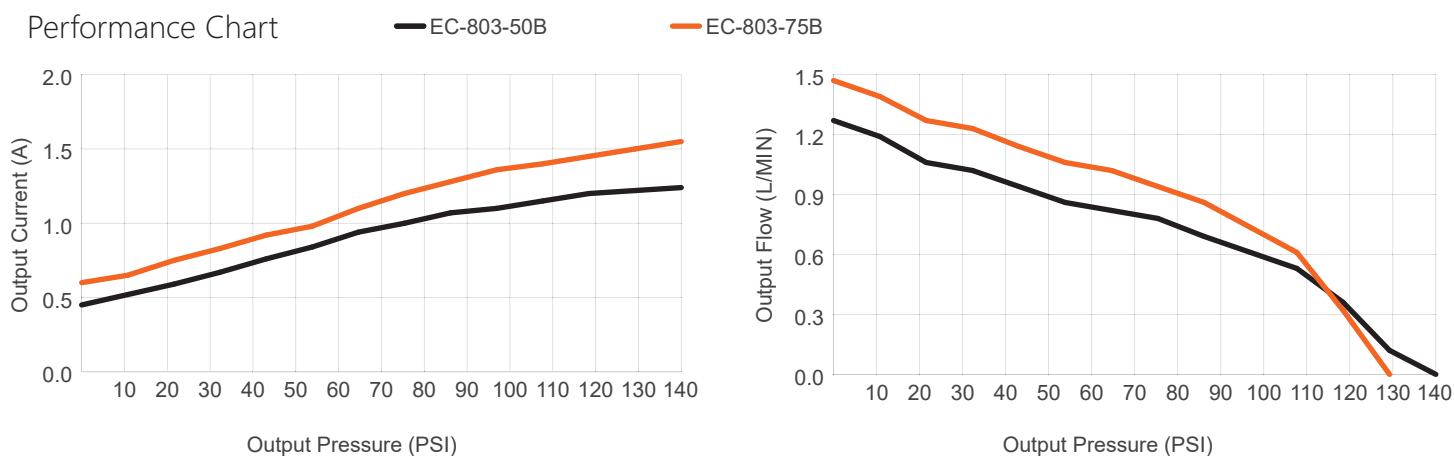




EC-803 Series

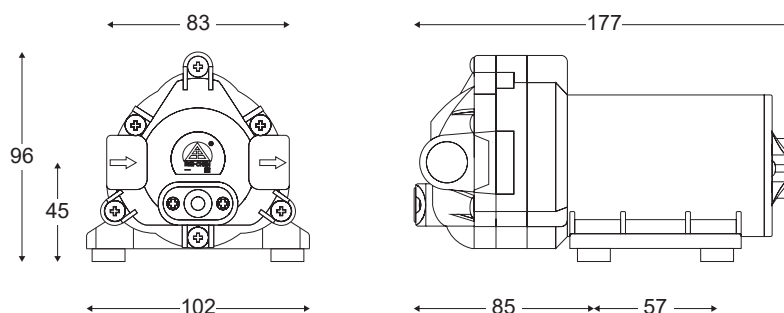
A compact size of 304 series. Economic pump but still powerful as 304 series. Available for 50 and 75 GPD RO system.

Performance Chart



Models	EC-803-50B	EC-803-75B
Voltage	24VDC	24VDC
Port	3/8"	3/8"
Inlet Pressure	0PSI	0PSI
Working Pressure	70PSI	70PSI
Working Flow	≥0.50LPM	≥0.80LPM
Working Current	≤1.0A	≤1.2A
Maximum Current	≤1.2A	≤1.5A
Bypass Pressure	110-150PSI	110-150PSI
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing		

Product Dimensions

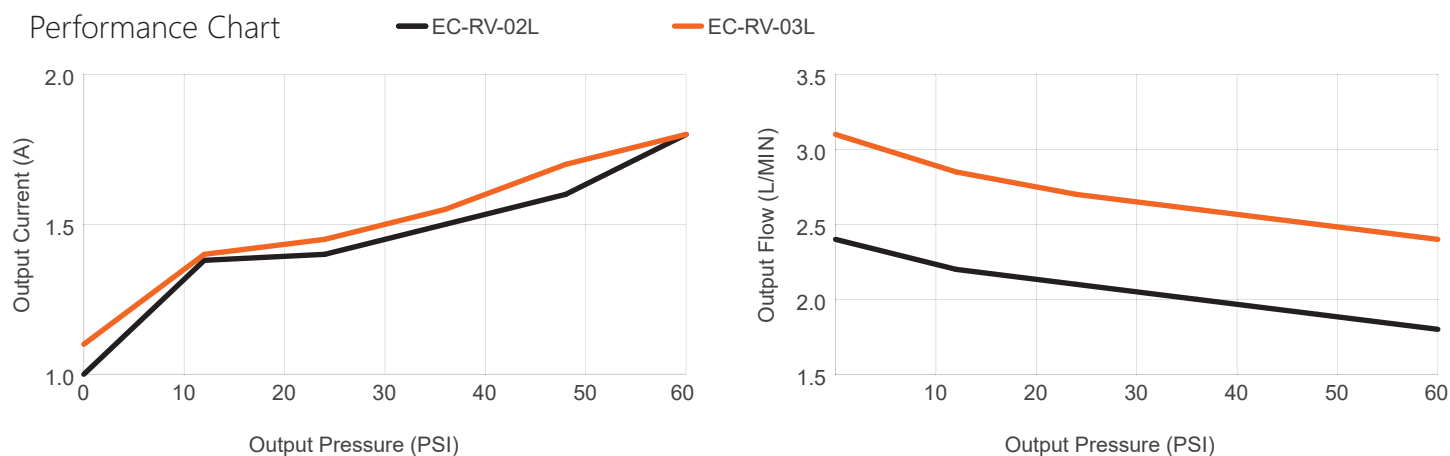




EC-RV L Series

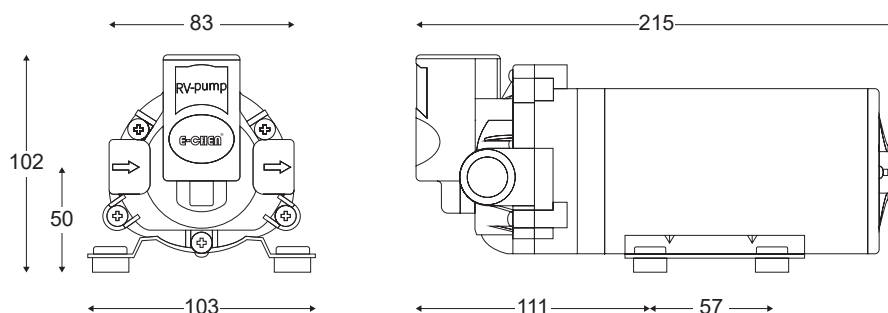
Delivery pumps (also known as demand pumps, dispensing pumps and transfer pumps) are designed for intermittent duty, though most models can be run continuously for hours at a time. These diaphragm pumps are controlled by a pressure switch. Available for 2 and 3 LPM.

Performance Chart



Models	EC-RV-02L	EC-RV-03L
Voltage	24VDC	24VDC
Port	3/8"	3/8"
Inlet Pressure	0PSI	0PSI
Pressure Switch	0.2MPa ON; 0.45MPa Off (0.25, 0.35, 0.5 and 0.7 MPa available upon request)	
Open Flow	≥2.0LPM	≥3.0LPM
Maximum Current	≤2.0A	≤3.0A
Self-Priming Height	≥2M	≥2M
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing		

Product Dimensions

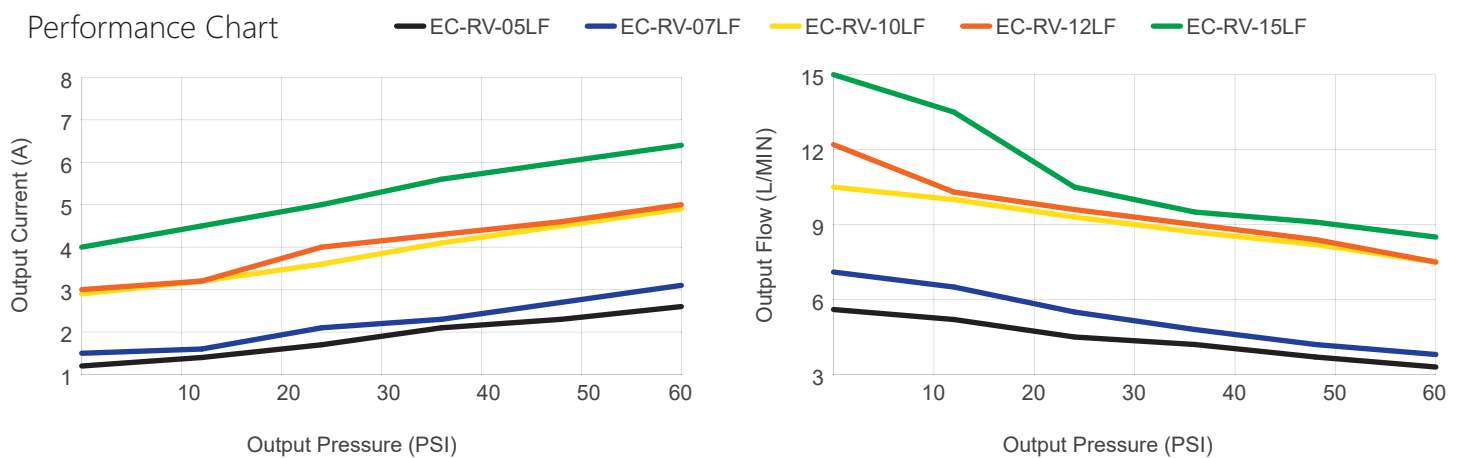




EC-RV FL Series

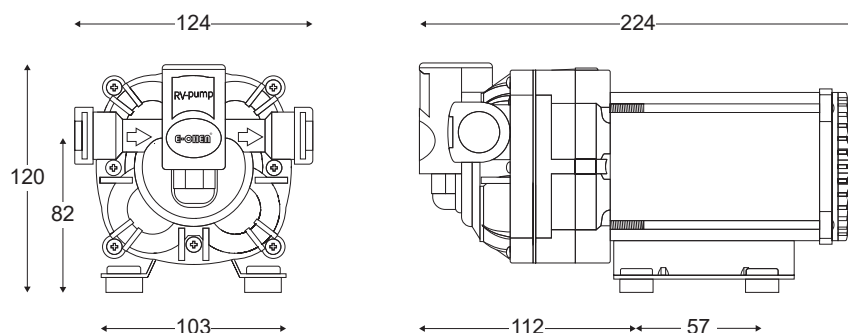
Delivery pumps (also known as demand pumps, dispensing pumps and transfer pumps) are designed for intermittent duty, though most models can be run continuously for hours at a time. These diaphragm pumps are controlled by a pressure switch. Available for 5, 7, 10, 12 and 15 LPM.

Performance Chart



Models	EC-RV-05LF	EC-RV-07LF	EC-RV-10LF	EC-RV-12LF	EC-RV-15LF
Voltage	24VDC	24VDC	24VDC	24VDC	24VDC
Port	1/2"	1/2"	1/2"	1/2"	1/2"
Inlet Pressure	0PSI	0PSI	0PSI	0PSI	0PSI
Pressure Switch	0.2MPa ON; 0.45MPa Off (0.25, 0.35, 0.5 and 0.7 MPA available upon request)				
Open Flow	≥5.0LPM	≥7.0LPM	≥10.0LPM	≥12.0LPM	≥15.0LPM
Maximum Current	≤5.0A	≤8.0A	≤10.0A	≤10.0A	≤10.0A
Self-Priming Height	≥2M	≥2M	≥2M	≥2M	≥2M
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing					

Product Dimensions



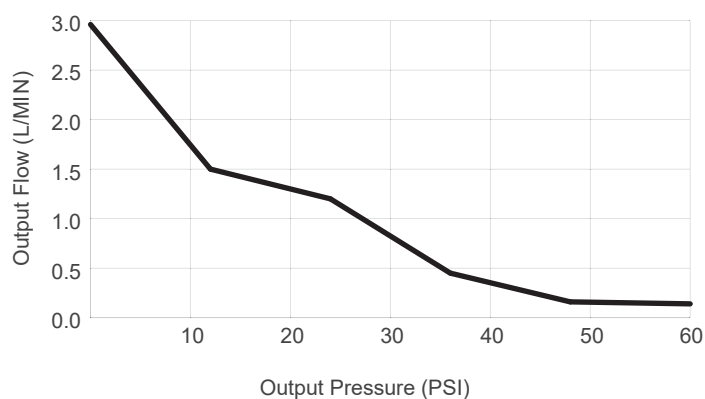
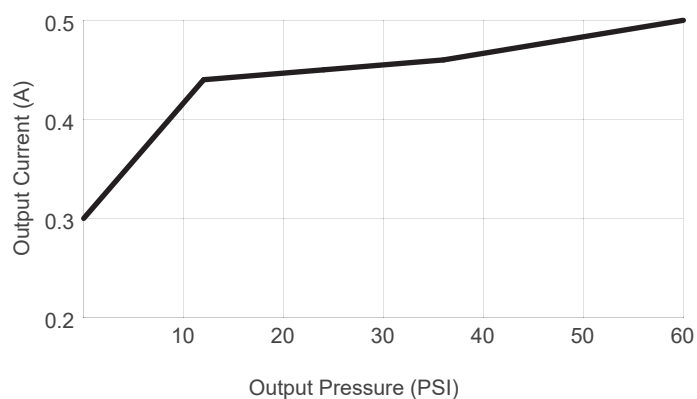


EC-D600 Series

Food grade dispenser pump. Delivery pumps are most commonly used either to pressurize water from an atmospheric tank, to deliver purified water to a specific point of use, or simply to increase water pressure when required.

Performance Chart

— EC-D600-3L



Models	EC-D600-3L
Voltage	24VDC
Port	Ø9.3MM
Inlet Pressure	0PSI
Pressure Switch	35PSI
Open Flow	≥3.0LPM
Maximum Current	≤1.0A
Self-Priming Height	≥1.5M
Materials: Premium Bearings, EPDM Valves, Sentoprene Diaphragm, 304 Stainless Steel Fastners, and Nylon Housing	

Product Dimensions

