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CUSTOM SINGLE AND MULTI-PUMP WATER SYSTEMS

G & R water systems are the pump of choice for most European yacht manufacturers. Systems are assembled to meet each vessels unique needs choosing from DC or AC voltage drives, two pumping principles (liquid ring and centrifugal "Jet Pump" designs) and three pressure regulating methods (diaphragm actuated pressure switch used in conjunction with an accumulator tank, constant pressure regulators which often eliminates the need for an accumulator tank and variable frequency drives with process controllers and pressure transducers which take advantage of the latest technical advances). Often duplex/tandem pump packages are created with pre-piped manifolds and isolation valves to provide redundancy, reserve capacity or multiple power source capabilities.

ENGINE COOLING

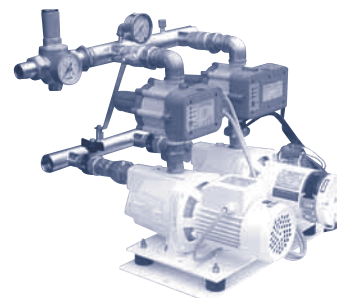
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Custom Designed Systems

BRONZE LIQUID RING SYSTEM WITH ACCUMULATOR

G & R's Idromini ACB series utilizes their proven self-priming liquid ring pump design to provide dependable water supply to multiple fixtures. Each unit comes with a diaphragm actuated demand pressure switch, pressure gauge and accumulator tank. They are most commonly supplied in 12 or 24 vdc. However, AC powered models are available.

Model Number	Volts DC	Max GPM	Max PSI	Accumulator Tank Size	Dimensions (H x W x L)
GIA Idromini ACB61E-12V	12	5.8	32	2 Liter	4.9" x 7.9" x 14.2"
GIA Idromini ACB61E-24V	24	5.8	32	2 Liter	4.9" x 7.9" x 14.2"
GIA Idromini ACB80E-12V	12	13.2	44	5 Liter	5.3" x 6.7" x 16.2"
GIA Idromini ACB80E-24V	24	13.2	44	5 Liter	5.3" x 6.7" x 16.2"

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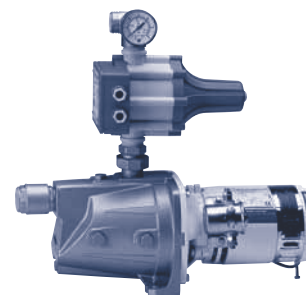
Idromini ACB Series

BRONZE CENTRIFUGAL "JET PUMP" SYSTEMS

G & R's Ecojet series utilizes a bronze self-priming centrifugal "Jet Pump" design to provide dependable water supply to multiple fixtures. The "CE" series comes with a constant pressure regulator that maintains a constant flow at each fixture up to the pump's maximum capacity. Standard diaphragm pressure switches combined with accumulator tanks are also available.

Model Number	Voltage Options	Max GPM	Max PSI
GIA Ecojet 1	12 & 24 vdc, 230 1 ph, 3 ph 50/60 hz	11.8	44
GIA Ecojet 2	12 & 24 vdc, 230 1 ph, 3 ph 50/60 hz	14.5	51
GIA Idrojet 3	24 vdc, 230 1 ph, 3 ph 50/60 hz	18.5	61
GIA Idrojet 4R	24 vdc, 230 1 ph, 3 ph 50/60 hz	23.7	66
GIA Idrojet 518	24 vdc, 230 1 ph, 3 ph 50/60 hz	26.4	69
GIA Idrojet 622	24 vdc, 230 1 ph, 3 ph 50/60 hz	42.2	70

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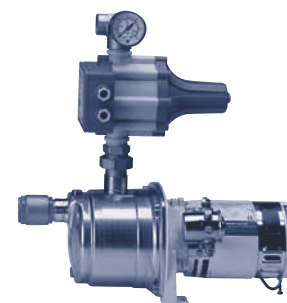
Ecojet Series

STAINLESS STEEL CENTRIFUGAL "JET PUMP" SYSTEMS

G & R's Ecoinox series utilizes a stainless steel self-priming centrifugal "Jet Pump" design to provide dependable water supply to multiple fixtures. The "CE" series comes with a constant pressure regulator that maintains a constant flow at each fixture up to the pump's maximum capacity. Standard diaphragm pressure switches combined with accumulator tanks are also available.

Model Number	Voltage Options	Max GPM	Max PSI
GIA Ecoinox 1	12 & 24 vdc, 230 1 ph, 3 ph 50/60 hz	11.8	44
GIA Ecoinox 2	12 & 24 vdc, 230 1 ph, 3 ph 50/60 hz	14.5	51

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Ecoinox Sereis