TANKS NOT REQUIRED*

Aqua Pro Pump Systems
a Tomiko Inc. Company

Generation II
All Stainless Steel

Package water pump system consists of pump, controls, built-in check valve and power cord.

* Complete pressure booster system does not require a pressure tank **for most applications**.

Automatic water pressure system for:

- Residential whole house booster system where city supply pressure is insufficient
- From shallow well, cisterns, or above ground storage tanks (most models)
  Foot valve and small pressure tank may be necessary.
- Light irrigation systems to 70 gpm
- Specific use applications such as coffee shops and dialysis equipment
- Light commercial applications such as portable classrooms, office trailers and water transfer applications
- Industrial applications for machinery, wash down areas and misting systems

Features and Benefits

- Systems are compact and complete
- Systems require no pressure tanks for most applications
- Systems have reliable controls for continuous on/off operation
- Systems have built in dry run pump protection
- Pumps have stainless steel bodies and impellers for corrosion resistance and long life
- Motors are Totally Enclosed and Fan Cooled

Operating Limits

Capacities to	70 gpm
Boost pressures to	92 psi
Maximum ambient temperature	120ºF
Maximum liquid temp	Controller 130° F
Maximum liquid temp	Pump 230° F
Maximum inlet pressure	50 psi
Maximum operating pressure	125 psi

Suitable Fluids

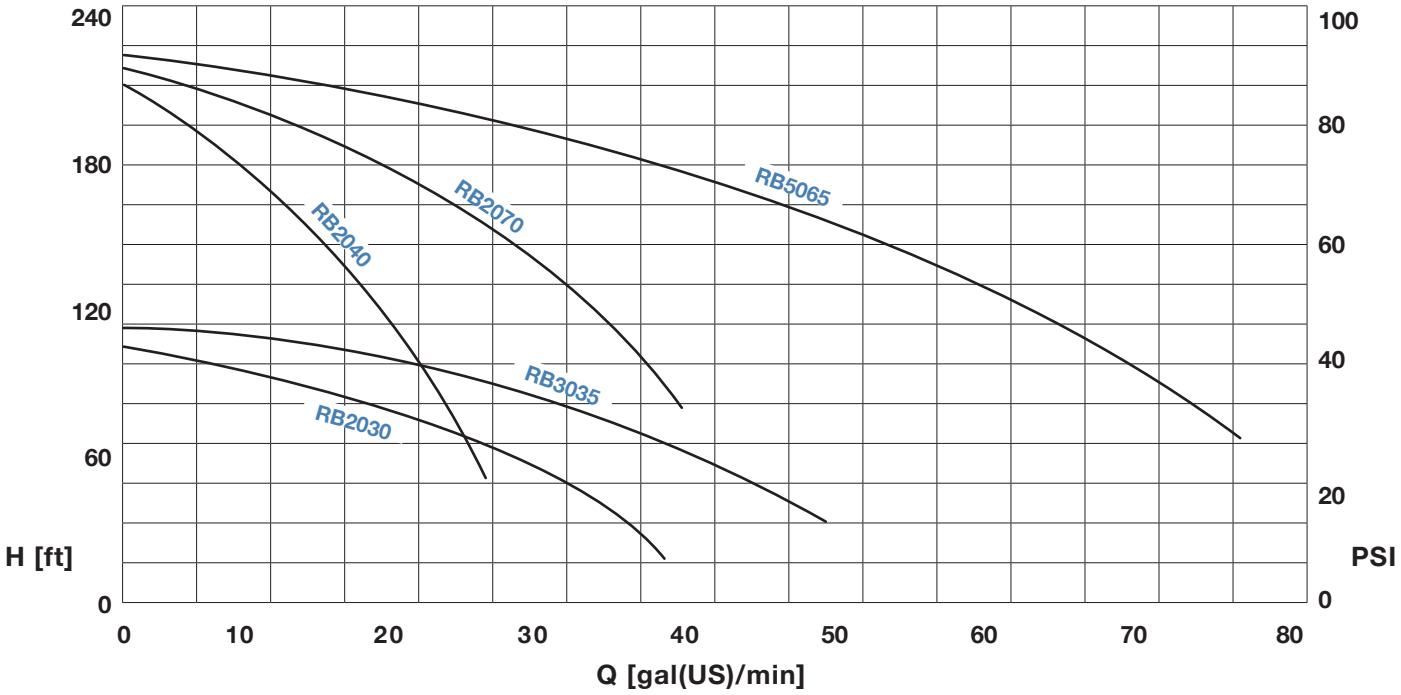
Clean, clear, non-corrosive, non-flamables

- **Designed for easy installation**
- **Adjustable start pressure**
- **Low Maintenance**
- **Line cords supplied with most models**
- **Systems have built-in check valves**
- **High efficiency pump design provides smooth and quiet operation**
- **VFD's on specific models**

SYSTEM SPECIFICATIONS

MODEL	RB2030-U	RB2040-U	RB3035-U	RB2070-U	RB2040-VFD	RB5065-VFD
Maximum Flow (GPM)	35	26	50	38	26	73
Maximum Boost PSI	48	91	48	92	91	90
Best Design Pt. GPM @ PSI	20@30	20@40	30@35	20@70	20@40	50@65
Suction Size	1” FNPT	11/4” FNPT	11/4” FNPT	1” FNPT	1 1/4” FNPT	11/4” FNPT
Disch Size	1” MNPT	1” MNPT	1” MNPT	1” MNPT	1” MNPT	11/4” MNPT
Horsepower	1/2	1	1	11/2	1	3.5
Rating use	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Low Flow Projection	Yes	Yes	Yes	Yes	Yes	Yes
Tank Requirement	None	None	None	None	None	Minimum 10 gallon

SYSTEM PERFORMANCE CURVES



Before installing any pump, be sure that the pump cannot exceed the maximum flow of the water meter. SEE METER CHART TO THE RIGHT.

If pressure exceeds 80psi (per code) in building, a Pressure Reducing Valve may be installed on the suction of the pump to reduce total discharge pressure.

METER CHART	
Meter Size	Meter Flow
5/8”	12
3/4"	20
1”	30
11/2”	50
2”	70

SYSTEM DESCRIPTIONS

RB2030-U

This model operates using the Ultra Controller sensing pressure drop to turn the pump on and a stop in flow to turn the pump off. A minimum run timer prevents the pump from short cycling while an additional sensor prevents the pump from running in the event of low or no incoming flow. A built in check valve and line cord make installation simple. This system may be used to boost average house pressure from the municipal supply but should not exceed the maximum flow listed below to include irrigation and fire sprinklers, if on the same system. This system can also be used when pumping from a storage tank. With an adjustable start pressure and built in pressure gauge to make pressure adjustment simple. The Ultra Control is a superior option for flexibility in various applications, but is not designed to exceed 35 gpm.

RB2040-U

This model operates using the Ultra Controller sensing pressure drop to turn the pump on and a stop in flow to turn the pump off. A minimum run timer prevents the pump from short cycling while an additional sensor prevents the pump from running in the event of low or no incoming flow. A built in check valve and line cord make installation simple. This system may be used to boost average house pressure from the municipal supply but should not exceed the maximum flow listed below to include irrigation and fire sprinklers, if on the same system. This system can also be used when pumping from a storage tank. With an adjustable start pressure and built in pressure gauge to make pressure adjustment simple. The Ultra Control is a superior option for flexibility in various applications, but is not designed to exceed 25 gpm.

RB3035-U

This model operates using the Ultra Controller sensing pressure drop to turn the pump on and a stop in flow to turn the pump off. A minimum run timer prevents the pump from short cycling while an additional sensor prevents the pump from running in the event of low or no incoming flow. A built in check valve and line cord make installation simple. This system may be used to boost average house pressure from the municipal supply but should not exceed the maximum flow listed below to include irrigation and fire sprinklers, if on the same system. This system can also be used when pumping from a storage tank. With an adjustable start pressure and built in pressure gauge to make pressure adjustment simple. The Ultra Control is a superior option for flexibility in various applications, but is not designed to exceed 50 gpm.

RB2070-U

This model operates using the Ultra Controller sensing pressure drop to turn the pump on and a stop in flow to turn the pump off. A minimum run timer prevents the pump from short cycling while an additional sensor prevents the pump from running in the event of low or no incoming flow. A built in check valve and line cord make installation simple. This system may be used to boost average house pressure from the municipal supply but should not exceed the maximum flow listed below to include irrigation and fire sprinklers, if on the same system. This system can also be used when pumping from a storage tank. With an adjustable start pressure and built in pressure gauge to make pressure adjustment simple. The Ultra Control is a superior option for flexibility in various applications, but is not designed to exceed 35 gpm.

RB2040-VFD

This model is controlled by a Variable Frequency Drive unit and may be used for residential and light commercial applications. This System offers many features that include, set pressure, soft starts and stops, run dry protection, inverter duty, slaving, dry contacts for remote alarm, and a fuse for added input protection. Once the desired pressure is set and flow starts the pump will start at a slow speed and increase speed as flow increases maintaining a constant desired pressure. When flow stops the pump will slowly stop. This system is designed to boost pressure from municipal supplies or storage tanks when used with a 2-4 gallon expansion tank. This system can provide high pressure up to 90 psi boost above incoming pressure and flows up to 25 gpm including irrigation and fire sprinklers if on same system.

RB5065-VFD

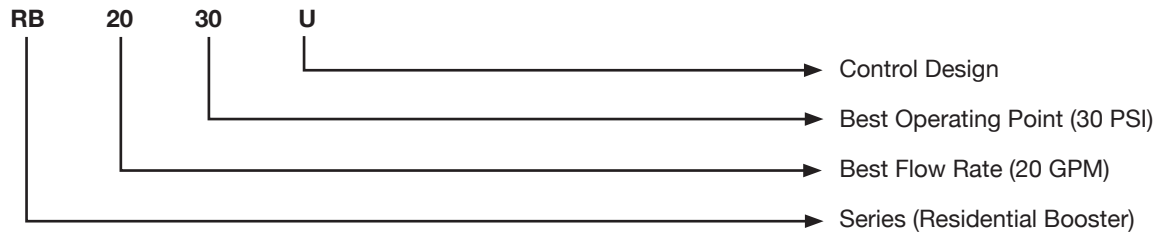
This model is controlled by a remote mounted Variable Frequency Drive unit and may be used for larger homes and commercial applications. This System offers many features that include, set pressure, soft starts and stops, run dry protection, inverter duty, and remote starting/stopping, slaving, dry contacts for remote alarm, and a fuse for added input protection. Once the desired pressure is set and flow starts the pump will start at a slow speed and increase speed as flow increases maintaining a constant desired pressure. When flow stops the pump will slowly stop. This system is designed to boost pressure from municipal supplies or storage tanks when used with a minimum 10 gallon expansion tank. This system can provide both high pressure up to 90 psi boost above incoming pressure and high flows up to 65 gpm including irrigation and fire sprinklers if on same system.

ELECTRICAL DATA						
Model #	**RB2030-U**	**RB2040-U**	**RB3035-U**	**RB2070-U**	**RB2040-VFD**	**RB5065-VFD**
Volts	120	120	120	220	220	220
Hz	60Hz					
Phase	Single					
FL Amps	4.4	6	6.9	8.6	11	9
LR Amps	15	19	25	38	34	15
HP	1/2	1	1	11/2	1	3.5
Wt.	22	28	25	63	33	70

MAXIMUM TOTAL SUCTION LIFT	POWER LIMITS
Total suction lift up to 20'. For deeper suction lifts, contact Aqua Pro Pump Systems.	Single phase power has a usage factor of at least ± 10% of label voltage. Other voltages and power suppliesavailable upon request.

MATERIALS OF CONSTRUCTION	
Part	**Material**
Pump Housing	Stainless
Motor	TEFC
Motor Shaft	Stainless
Impellers	Stainless
Controller	Techno polymer

SYSTEM IDENTIFICATION



Contact *Aqua Pro Pump Systems* for custom built systems with high pressure pumps, VFD'S, stainless steel headers *AND MORE!*
Visit us on the web at tomikoinc.com

Aqua Pro Pump Systems
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