

Low Voltage Transformer Now Available for 120 Volt Installations

Recently added to the ProHayward Low Voltage Transformer line-up is a Hayward 120V version with multi-tap choices for proper low voltage electrical supply to underwater lights and even outdoor low-voltage lighting.



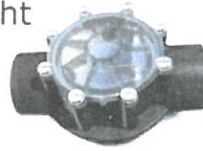
The 120V transformer is fitted with a convenient on/off power switch as well as an electrical cord for installation ease.

The transformer compliments the popular ProHayward line of 220V transformers which have become the transformer of choice of pool professionals around the world.

Contact Hayward/IMG Customer Service staff for further details on the newly introduced Hayward low voltage transformer.

A New Addition to the PSV Diverter Valve Line Up

A new straight check valve has been added to PSV valve line up in sizes 1.5 inch through 2.5 inch.



Hayward diverter valves are manufactured with NSF certification in both PVC and CPVC options.

The diverter valves feature a patented handle design for quick customization of valve ports, easy-dial index handle for convenient flow setting and at-a-glance assessment and full-flow ports for maximum flow rate.



Hayward PSV Diverter Valves are compatible with Hayward's electric valve actuator as well as competitive brand actuators.

Saline C™ 6.0 Commercial Salt Chlorine Generator

Hayward Commercial Pool unveils Saline C™ 6.0, NSF certified commercial salt chlorine generator, designed to produce up to 6 lbs. of chlorine per day.



It features a compact design in a single clear vessel with a single heavy duty power supply, eliminating the need for daisy chaining multiple cells. This more-efficient design lowers installation costs and consumes less space.

Designed to meet the needs of commercial applications that benefit by the operation of a salt-chlorinated pool and lowering sanitization costs by up to 60%.

Hayward Summit Heat Pumps Provide Perfect Water Temperature

Hayward high performance heat pumps quietly and economically maintain your ideal water temperature at all times.



Available in both 50hz and 60hz versions, Hayward heat pumps incorporate a titanium counter flow heat exchanger for unmatched performance under the harshest conditions.

Advanced features like an innovative Ultra Gold corrosion-resistant evaporator, heavy duty super quiet scroll compressor, molded UV-resistant body panels and stainless steel hardware means that Hayward heat pumps will perform year after year, season after season.

Hayward heat pumps give you comfort and efficiency. It is a perfect addition to your Totally Hayward System.

TECH TIP! Heat Pump Sizing

Heat pumps make up the heat lost from the exposed surface area of the pool due to convection. Heat loss is accelerated by larger pool surfaces, higher pool temperatures, higher wind speeds and lower air temperature around the pool. Wind across the pool surface can increase heating demand by up to 10% while increasing filtration and chemical costs as well.

Heat pumps are usually sized for maintenance heating. Given the large volume of pool water, it is impractical to allow the water to cool down and then raise the temperature again to the required swim temperature.

The total heat required to heat the water to a certain temperature is the same and independent of the heater capacity.

Changing heater capacity only changes the "speed to heat." Higher capacity heaters heat the water faster.

To size a heat pump the operator must know the surface area of the pool "A" (in sq.m or sq.ft) and the temperature differential "ΔT" – difference between the

desired water temperature and the surrounding air temperature (in °F or °C).

The heat pumps are rated in BTU (BTU/hr) or kW
1 BTU = 3413 kW (approx.)

Main formula :
BTU rating of Heat Pump = "A" sq.ft x ΔT °F x 12

Simplified formula:
kW rating of Heat Pump = "A" sq.m x 0.7 for ΔT=10°C

The number of individual heat pumps should be selected based on the heat pump output. There are usually three output ratings provided for heat pumps as their heat output depends on environmental conditions.

Select the output rating that is closest to the environmental conditions at the pool location. If the conditions are different, use the middle output rating for normal sizing. To be more conservative and to have an extra capacity the lowest output rating should be used.

For more information on the products featured in Newsplash, please contact Hayward/IMG at fax: 909.444.0327, email: img@hayward.com or go to www.Haywardpool.com