



Whisperflo®

High performance pump

- **Simply the most efficient and quietest pump you can buy! WhisperFlo®, an incredibly quiet and reliable pool pump that outperforms the competition in every measure**

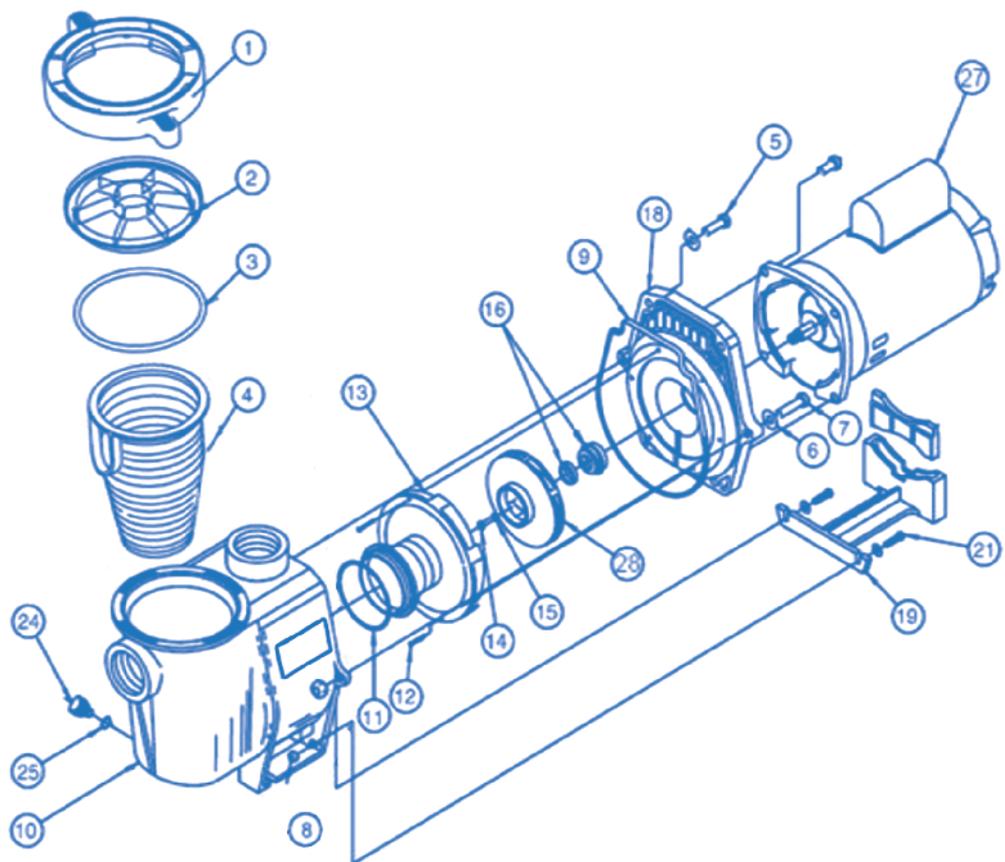
The correct pump should circulate a pool's entire volume at least 2 times a day, as efficiently as possible. Greater efficiency means lower running costs... and the key lies in the heart of the pump's design. The secret is to minimize friction and turbulence. Less friction means greater efficiency. Less turbulence means less noise. That's why all Pentair pumps feature a proprietary hydraulic design which has been refined over 40 years for superior performance.

The WhisperFlo® is engineered to move the water more efficiently and quietly than competitive pumps, thanks to the unique design of the Funnelflo™ diffuser and a high-efficiency impeller that maximizes water flow and energy efficiency and ensures the quietest operation! The pre-filter comes with an oversized strainer basket and an easy-view strainer pot lid for instant inspection. WhisperFlo® is engineered to provide optimum performance in a very wide range of installations, including pool/spa combinations. It also delivers the power needed for suction-side, pressure-side and in-floor cleaning systems.



Features:

- Patented oversized strainer basket reduces cleaning frequency
- Easy-view lid design for instant inspection will remain clear and strong for years. Plus the "Cam and Ramp"™ lid delivers even pressure to eliminate air and water leaks
- Delivers higher performance with a lower power consumption
- Made from high-temperature, engineered thermoplastic to withstand extreme heat and prevent corrosion designed for long life
- Easy installation and trouble-free servicing
- CE-approved
- 3-year warranty



- | | | | |
|--|---|--|-------------------------------------|
| 1. P1001
Clamp, Cam & Ramp | 10. P1010
Casing | 21. P1019
Screw for foot (2) | 28. P1024
0.55kw Impeller |
| 2. P1002
Cover clear | 11. P1011
Diffuser O-ring | 24. P1020
Drain plug | 28. P1025
0.75kw impeller |
| 3. P1003
O-ring cover | 12. P1012
Diffuser screw (2) | 25. P1021
Drain plug gasket | 28. P1026
1.1kw Impeller |
| 4. P1004
Basket | 13. P1013
Diffuser | 27. P1051
Motor 0.55kw 1 phase | 28. P1027
1.5kw Impeller |
| 5. P1007
Bolt – Top & Bottom (4) | 14. P1014
Impeller screw | 27. P1061
Motor 0.75kw 1 phase | 28. P1028
2.2kw Impeller |
| 7. P1005
Bolt -Centre (2) | 15. P1015
Impeller screw o-ring | 27. P1071
Motor 1.1kw 1 phase | |
| 8. P1006
Nut Centre (2) | 16. P1016
Mechanical seal | 27. P1081
Motor 1.5kw 1 phase | |
| 9. P1009
Gasket seal plate | 18. P1017
Seal plate | 27. P2051
Motor 2.2kw 1 phase | |
| | 19. P1018
Foot for pump | | |



IntelliFlo®

VF Intelligent Variable Flow Pump

- Simply the most valuable technology innovation in pool equipment history

You'll likely save thousands over the long life of this revolutionary innovation. To say the IntelliFlo® VF pump is a radically different-and superior-pool pump is a massive understatement. Here's why.

Traditional pool pumps have offered a limited number of single speed or two-speed designs. Their motor speeds are set and unchangeable. These set speeds are almost always higher than required, thereby overpowering the jobs they are assigned to do and wasting energy. What's more, other pumps rely on induction motor technology, which is far less efficient. The result is that pumps are notorious energy hogs that cost hundreds-often more thousands-per year to operate. In fact, in some areas of the country, laws are being passed to prevent future purchases of these "old school" pumps. The IntelliFlo® VF pump, by contrast, is sensationally energy efficient. It is the totally automatic, self-setting and self-adjusting, variable speed marvel with a micro-processor that determines and maintains the lowest amount of water flow for maximum performance and minimum energy use. It's also the first to use vastly more efficient permanent magnet motor technology (used in hybrid cars).



Slashing energy use up to 90%

An exclusive blend of technology innovations are behind the monumental energy savings possible with IntelliFlo.

- IntelliFlo is the first to use permanent magnet motors as a fundamentally energy-efficient design.
- IntelliFlo also employs variable drive technology controlled by an onboard computer and sophisticated software to allow pinpoint programming, or totally automatic operation, to achieve and maintain optimum (typically lower) flow rates for further energy savings. IntelliFlo operates at 1/10th of a horsepower, using about 100 watts of energy... about the same as a light bulb. of standard pumps for impressive savings. Exclusive, variable-speed capability builds **potential savings up to 90%.**

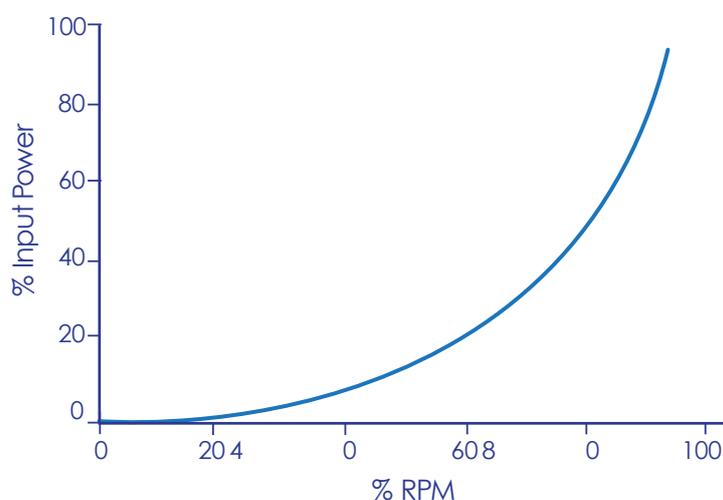


Why Slower is Better

The surprising secret to minimising pump energy costs is to operate at the lowest flow rate needed to accomplish a job. It takes far less energy to move water slowly than quickly.

Why? Because there's lower resistance in the filter, accessories and plumbing system. Even though a pump will work longer at a lower flow rate, this is far more efficient. A good analogy is your car: you get much better petrol savings at 60 kph than at 150 kph. The same is true with pool pumps-run slower for greater efficiency (and many other good reasons, too).

Pump Motor Speed vs. Power Consumption



This graph shows the huge increase in energy consumption as pump speed increases. Slow down the pump and you cut energy costs dramatically.

Beyond achieving massive energy savings, the IntelliFlo pump's unique combination of technologies creates additional advantages not available with any other pump.

Dramatically longer life.

Permanent magnet motors produce far less heat and vibration than traditional induction motors. The result is not only less stress and wear on pump components, but on other equipment, too. IntelliFlo's motor is also a Totally Enclosed Fan Cooled (TEFC) design that provides exceptional protection from the elements. You can expect dramatically longer life for an even greater return on your investment.

Protects itself and your investment.

IntelliFlo also has built-in diagnostics that detect the most common causes of premature pump failure-loss of prime, overheating, freezing and voltage irregularities-and corrective action is taken.

Quieter than a whisper.

The IntelliFlo pump's TEFC motor, combined with the ability to run at low speeds with little vibration, delivers nearly silent operation. It's simply the quietest pump on the planet.

Enhance performance of water quality systems.

Since optimum pump speeds are typically lower than those pre-set on older pumps, IntelliFlo runs longer in most applications. And when water moves slower for longer periods, good things happen. It helps reduce the occurrence of algae that forms more easily when water is allowed to rest for long periods. It makes your filter more effective, because it has more time to strip particles from the water, plus small particles aren't forced through the filter media under unnecessarily high pressure. Automatic chemical dispensers and chlorinators are also more effective when water keeps moving.



Maintain your gains.

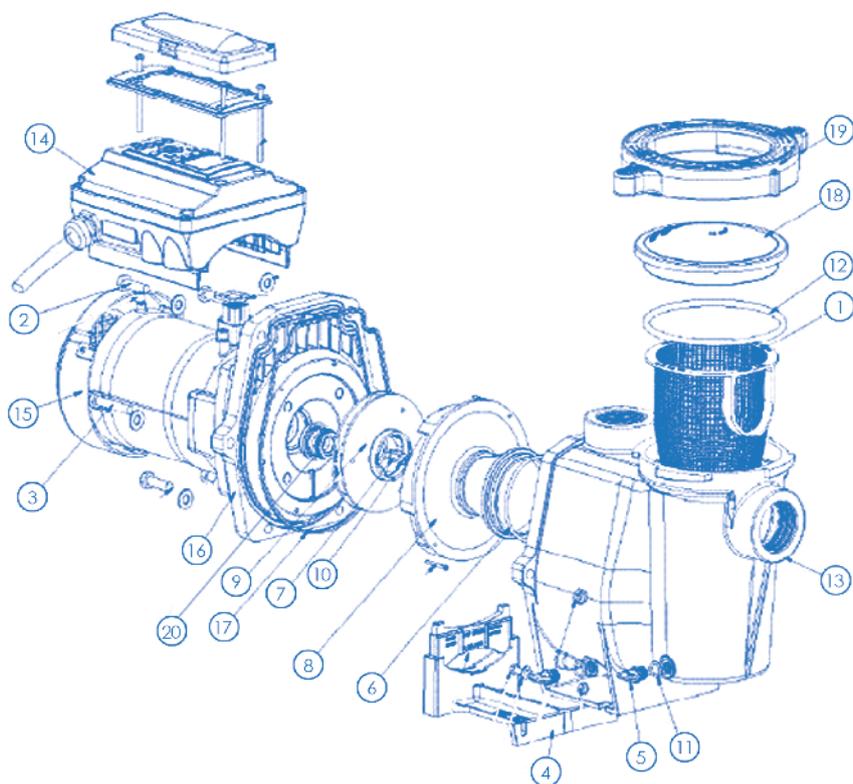
Add or change equipment and features without reducing pump performance and efficiency. You or your pool pro can re-program IntelliFlo—or let it set itself—to maintain optimum performance when you add a new feature or replace existing equipment. Filters and sanitizers work better. Your water features are adjustable. These are the many reasons why IntelliFlo is, without question, the single most valuable technology innovation in pool equipment history.

Change water features on command.

Also exclusive to IntelliFlo is the ability to increase or decrease the flow to water features and alter their appearance and performance. For the first time, you can manage the sights and sounds of your backyard retreat (while driving energy costs down to new lows). And it's all push-button simple.

In short, virtually everything works more effectively, with less wear and tear, when IntelliFlo is on the job. The energy savings are massive. Operating noise is virtually eliminated. Service life is dramatically increased. Filters and sanitizers work better. Your water features are adjustable. These are the many reasons why IntelliFlo is, without question, the single most valuable technology innovation in pool equipment history.

For all its technical sophistication, IntelliFlo is as simple to program and operate as an automatic lawn sprinkling system—even simpler if you let IntelliFlo program itself. For most installations, this is a "set it and forget it" proposition. But remember, this pump adjusts as your systems or conditions change. And yet, for all its refinements, this is one industrial-strength workhorse that's been engineered for extra long, trouble-free life.



- | | | | |
|---|---|---|--|
| 1. P0661
Basket | 8. P1013
Diffuser | 14. P0668
Variable speed
motor drive 3.2kw | P0667
Communication |
| 2. P1007
Bolt - Top & Bottom
(4) | 9. P1028
Impeller | 15. * 3.2kw pump motor | Note:
(*) Not serviceable
parts. |
| 3. P1005
Bolt centre (2) | 10. P1015
Impeller screw
'o-ring | 16. P1017
Seal plate | |
| 4. P1018
Foot | 11. P1021
Drain plug gasket (2) | 17. P1009
Gasket seal plate | |
| 5. P1020
Drain plug (2) | 12. P1003
Lid 'o-ring | 18. P1002
Cover clear | |
| 6. P1011
Diffuser O-ring | 13. P1010
Casing | 19. P1001
Clamp, cam & ramp | |
| 7. P1014
Impeller screw | | 20. P1016
Mechanical seal | |



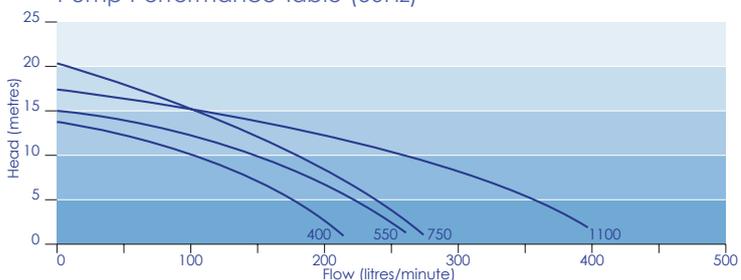
Onga®

● Taking water further

The range of Leisure Time pool pumps have been purposefully designed to provide maximum performance and corrosion resistance at a realistic cost. Ideal for small to medium domestic swimming pools.

Leisure Time Pool Pump

Pump Performance Table (50Hz)



Features and benefits

IP55 (TEFC) motor

Totally enclosed fan cooled motor which means a cooler running motor that will last longer and with IP55 protection from dust and water, your pump is preserved against the elements for many years.

Electrical approvals

Rest easy knowing your Leisure Time pool pump has passed all stringent Australian Standards AS/NZS 3136:2001 for safety and is approved for installation within the wetted zone of the pool area. Approvals V99108, V02301, V02302.

Elevated motor foot

Incorporating an elevated mount into the pump design keeps moisture well away from the motor.

Double coated endshield

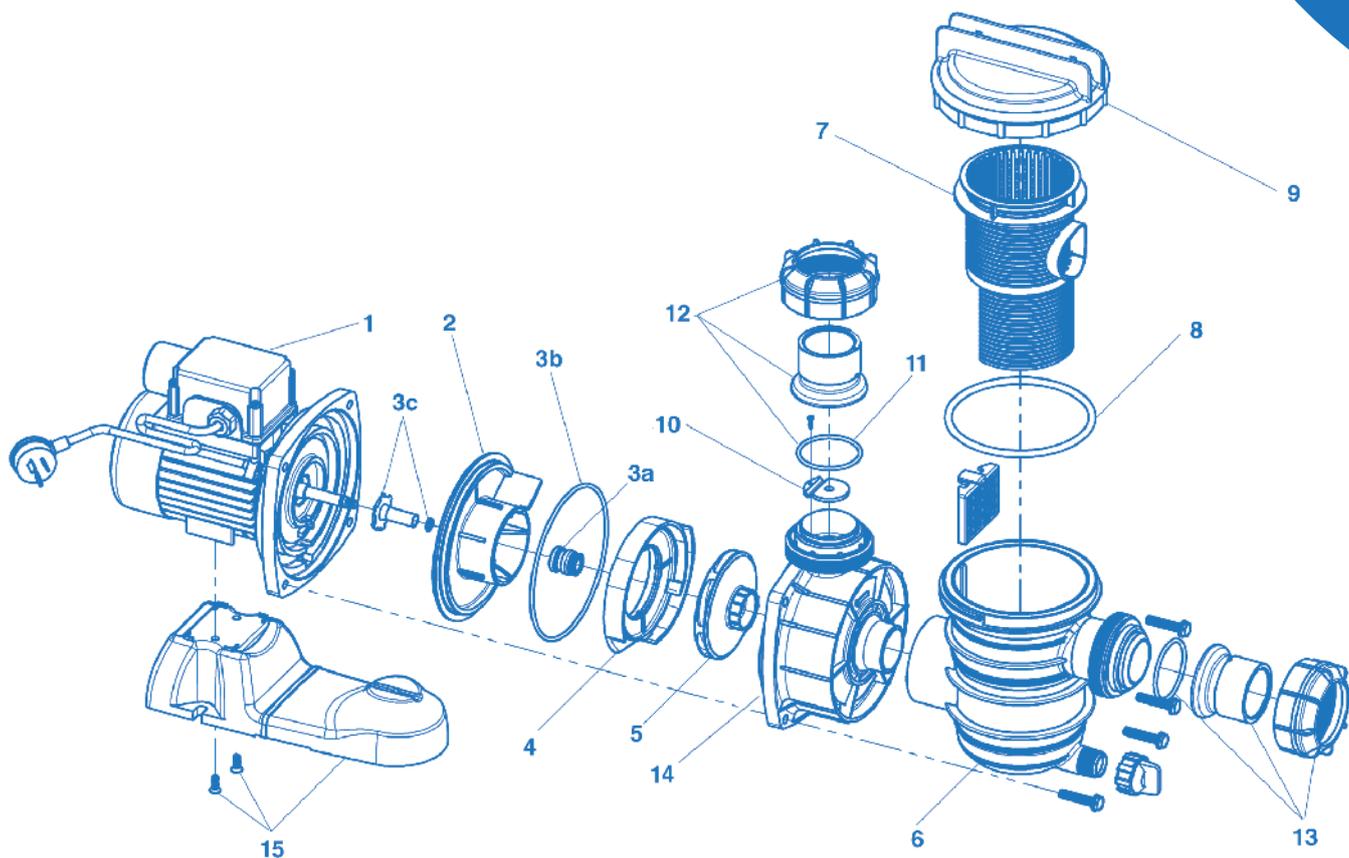
Unique double zinc plated cast iron endshield for better corrosion protection extending the life of the pump.

Large hair and lint pot with see through lid

Easy to clean large hair and lint pot with a clear lid so you can check at a glance whether or not it is full.

Low friction lint pot O-ring

Having a low friction O-ring on the lint pot means you only need to tighten the lid by hand. No tools are necessary and because you only tighten by hand, removing the lid is also a simple task.



1. **01601**
(Motor – LTP.4/.55)

1. **01603**
(Motor – LTP.75)

1. **01604**
(Motor – LTP.1.1)

2. **01001**
Baffle (ltd.4/.55/.75)

2. **01004**
Maffle (LTP1.1)

3a.**01501**
Mechanical seal
(LTP.4/.55/.75)

3a.**01504**
Mechanical seal
(LTP 1.1)

3b.**01205**
Casing o-ring

3c.**01521**
Shaft sleeve assy (LTP
.4/.55/.75)

3c.**01524**
Shaft sleeve assy (LTP
1.1)

4. **01301**
Diffuser (LTP.4/.55)

4. **01303**
Diffuser (LTP.75)

4. **01304**
Diffuser (LTP 1.1)

5. **01401**
Impeller (LTP.4/.55)

5. **01403**
Impeller (LTP.75)

5. **01404**
Impeller (LTP 1.1)

6. **01201**
Casing and bowl
(LTP.4/.55/.75)

6. **01204**
Casing and bowl
(LTP1.1)

7. **01213**
Basket

8. **01212**
Lid o- ring

9. **01211**
Lid

10. **01214**
Return valve

11. **01104**
Barrel union o-ring

12. **01103**
Barrel delivery

13. **01102**
Barrel union suction

14. **02701**
Separator plate

15. **01631**
Pump base