

NEWS RELEASE

Customers in mining, industry and petrochemicals are likely to benefit from increased competition in the South African pump market resulting from the acquisition by WPIL of Italian pump company Gruppo Aturia.

The acquisition took place in June.

WPIL is the holding company of local manufacturers APE Pumps and Mather+Platt, both well known in the South African and southern African pump markets.

The group consists of the following companies of ATURIA, ROTOS MARELLI, AUDOLI & BERTOLA and ARIS CHIAPPA.

ATURIA was established in 1927 and became a leader in the manufacture of submersible pumps, patenting their electric submersible motor in 1946

In 1960 the company extended its markets to include America and Asia.

ROTOS was acquired by Aturia in 1990. Rotos was founded in 1919 and manufactured electric motors, mono-bloc pumps, multistage and vertical pumps.

In 1962 Rotos combined with the French manufacture GUINARD and developed a multistage pump manufacturing centre. This alliance allowed the company to develop and manufacture pumps for both the ISO 2858 and API610 specifications.

2005 saw the manufacture of Magnetic drive centrifugal pumps.

MARELLI founded in 1891 manufactured electrical motors and centrifugal pumps.

This company joined the Aturia family in 1990 which allowed the Gruppo Aturia Company to extend their product range to include horizontal split case, and mono bloc pumps.

AUDOLI & BERTOLA manufactured vertical sump pumps from 1890.

Gruppo acquired this company in 2003 where its office in Turin is currently the center of excellence for Fire Fighting System.

ARIS CHIAPPA started as a steel plant in 1921 manufacturing Bronze, Aluminum and Cast Iron products.

In 1940 production of vertical pumps began and over the next 40 years partnered with the world's top turbine manufactures developing pumps for special lubrication applications.

PRODUCTS

MULTISTAGE PUMPS TK-TKR-VTK-TKK SERIES

The pumps are all high pressure multistage centrifugal.

Design concept features ring section sealed with "O" rings.

Pumps are available from 65mm to 100mm, with flow rates up to 600m³/hr and heads up to 800 meters.

The axial thrust is accommodated by the hydraulic and dynamic balancing of each impeller on the rotating assembly.

TK pumps feature all the pumps mounted in the horizontal position supported by two greased bearings on each side of the pump.

VTK will allow the pump to be mounted in a vertical arrangement and will be complete with a suitable motor stool for mounting of the electric motor.

The shaft is supported on the suction side by a slide bearing which is lubricated by the pumped media, whilst on the drive end is carried by the electric motor bearing.

The TKR features horizontal pumps with oil lubricated antifriction bearings.

TKK pumps are high pressure and has PN25 suction connections with the discharge PN100 flanges.

All pumps are available with either gland packing or mechanical seals.

Maximum Temperature	160°C
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Maximum Working Pressure	100bar
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Materials of construction can be the following.

Pump casing	Cast Iron or Stainless Steel
Impellers	Cast Iron, Bronze or Stainless Steel
Wear Rings	Bronze or Stainless Steel
Shaft	Chrome Steel (AISI 420B) or Stainless Steel
Shaft Sleeves	Chrome Steel (AISI 420B) or Stainless Steel
Suction nozzle positioning to be defined when ordering.	

HORIZONTAL SPLIT CASE PUMPS PD & PDV

The range consists of single stage double entry horizontal centrifugal pumps.

The pumps which are split along the axis allow for ease of maintenance or inspection of the rotating assembly.

The pumps are fitted with closed double suction impellers which will provide stable operation with high value efficiencies.

Shafts are manufactured from 420 Stainless Steel and are protected by sleeves of the same material.

Casing wear rings are available in Cast Iron as standard or 420 Stainless Steel and Bronze.

Pumps are available in 27 sizes from 125mm to 450mm.

Flow rates from 50m³/hr to 3500m³/hr.

Heads from 10m to 170m

Maximum temperature 130°C

Maximum working pressure 25bar

PDV are vertically mounted pumps and feature the same sizes and performance as the PD.

Materials of construction are available as follows.

Casings	Cast iron, Cast Steel
Impeller	Cast iron, Bronze or Stainless Steel
Shaft	Carbon Steel or Stainless Steel
Sleeves	Carbon Steel or Stainless Steel
Casing Wear Rings	Cast Iron, Stainless Steel or Bronze
Shaft sealing	Packed Gland or Mechanical seals
Bearing Lubrication	Oil or Grease

VERTICAL ELECTRIC SUBMERSIBLE TURBINE PUMPS

The present range is manufactured to suit wells from 150mm to 640mm

The hydraulic design has been focused on obtaining the maximum efficiencies and a stable performance.

All impellers are dynamically balanced and splined onto the shaft with retaining keys.

The shaft are driven by coaxial bearing bushes and are fully protected by sleeves.

All pumps are manufactured with built in non-return Valves, threaded or flanged.

SUBMERSIBLE MOTORS

All motors are Asynchronous, Three Phase.

The rotor is dynamically balanced thus guarantying operation without vibration.

The thrust bearing pad is self-aligned and water lubricated.

Drive bearing is in graphite or rubber and is water lubricated.

The shaft is Stainless Steel and is robust to avoid rotor deflections.

MATERIALS OF CONSTRUCTION.

Cast iron, as standard or Stainless Steel, Bronze and Duplex Stainless Steel.

PERFORMANCE

Flow rates from 10m³/hr to 800m³/hr

Heads up to 700 meters

Maximum solid content 50g/m³

CENTRIFUGAL PUMPS

PCM /PCM-SP SERIES.

The PCM pumps are single stage end suction centrifugal pumps with magnetic drive.

Volute casing and all wetted parts are machined from solid blocks of PP and PVDF material.

There are no metallic parts which come into contact with the pumped media.

All pumps are equipped with high purity 99.7% Alumina Oxide shaft and thrust bearings, options of Sintered Carbide are available.

Sleeved bearings are manufactured from PTFEC which guarantees extended life and excellent chemical resistance.

PCM-SP are self-priming pumps capable of negative suction lifts without the use of foot valves.

All pumps are manufactured to comply with ATEX directive, for explosion proof requirements.

Pumps are sizes are from 32mm to 80mm with flow rates from 80 to 140m³/hr and heads up to 45 meters.

The pumps are also capable of temperatures up to 100°C and a maximum pressure of 10 bar.

TURBINE PUMPS

PTM / PTM-SP SERIES.

This range consists of pumps manufactured with regenerative, turbine or peripheral type impellers.

This range also incorporates mag drive technology.

PTM non-metallic pumps are suitable for various chemical compounds and offer excellent resistance, and low wearing rates.

The PTN-SP is the self-priming version of this range which can be installed where negative suction conditions are encountered.

These pumps are also explosion proof and comply with ATEX.

Pumps are available from 15mm to 32mm.

NDM SERIES

ISO2858

Centrifugal end suction mag drive pumps manufactured to the ISO2858 specification.

Pumps are volute foot mounted with single volute and flanged connections.

The mag drive is achieved with Cobalt-Samarium magnets a synchronous magnet coupling resulting in zero slippage.

All pumps have been designed to a modular concept so that inventory of components are reduced.

The NDM also features the Back-Pull-Out design which allows the rotating assembly to be removed without disturbing the suction and discharge pipe work.

Provided a spacer type coupling is used the BPO will also result in no movement of the driver.

The pumps are available from 32mm to 100mm, flow rates up to 200m³/hr and heads up to 90 meters

Pumps are rated at 16 bar.