

The pumps “TMB” belong to Argal's BASIS range and feature, single stage, centrifugal impeller and magnetic drive.
The range of TMB pumps includes five models to deliver flows from 15 to 70 l/min.

EXCEPTIONAL CORROSION RESISTANCE

It is made entirely of thermoplastics with outstanding chemical and mechanical resistance namely glassfibre reinforced polypropylene (GFR/PP). Ceramics for the spindle, reinforced PTFE for the bearings and FKM for the OR gasket, are the materials used for the pieces in contact with the liquids pumped.

PRINCIPLE OF OPERATION:

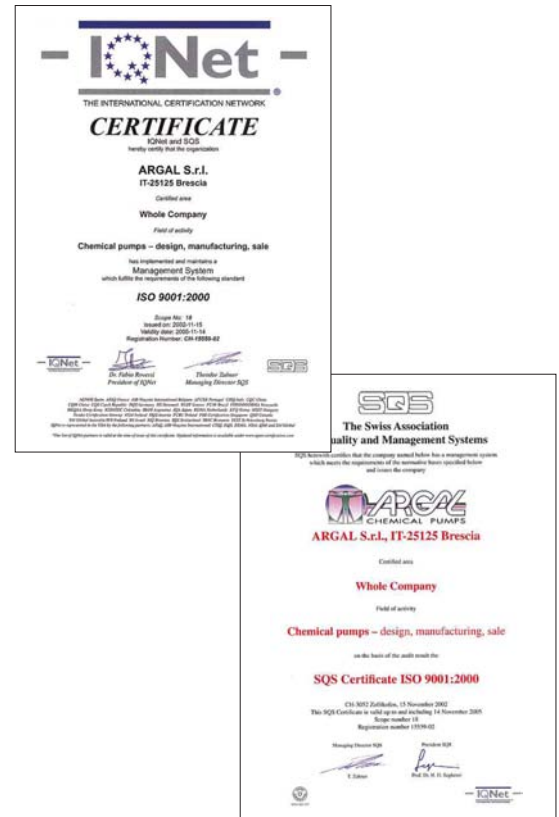
The drive magnet, outside the casing and keyed on the spindle, drives the magnetic impeller inside the hermetic casing. In this way, the traditional shaft seal and the consequent leakage problems are eliminated. So there is no corrosion of the outer parts (motor and bearings) in the environment.

Compact dimension, low noise, absence of seal device make these pumps ideal for application in any place or plant and can be incorporated into sophisticated equipment or “clean” environment.

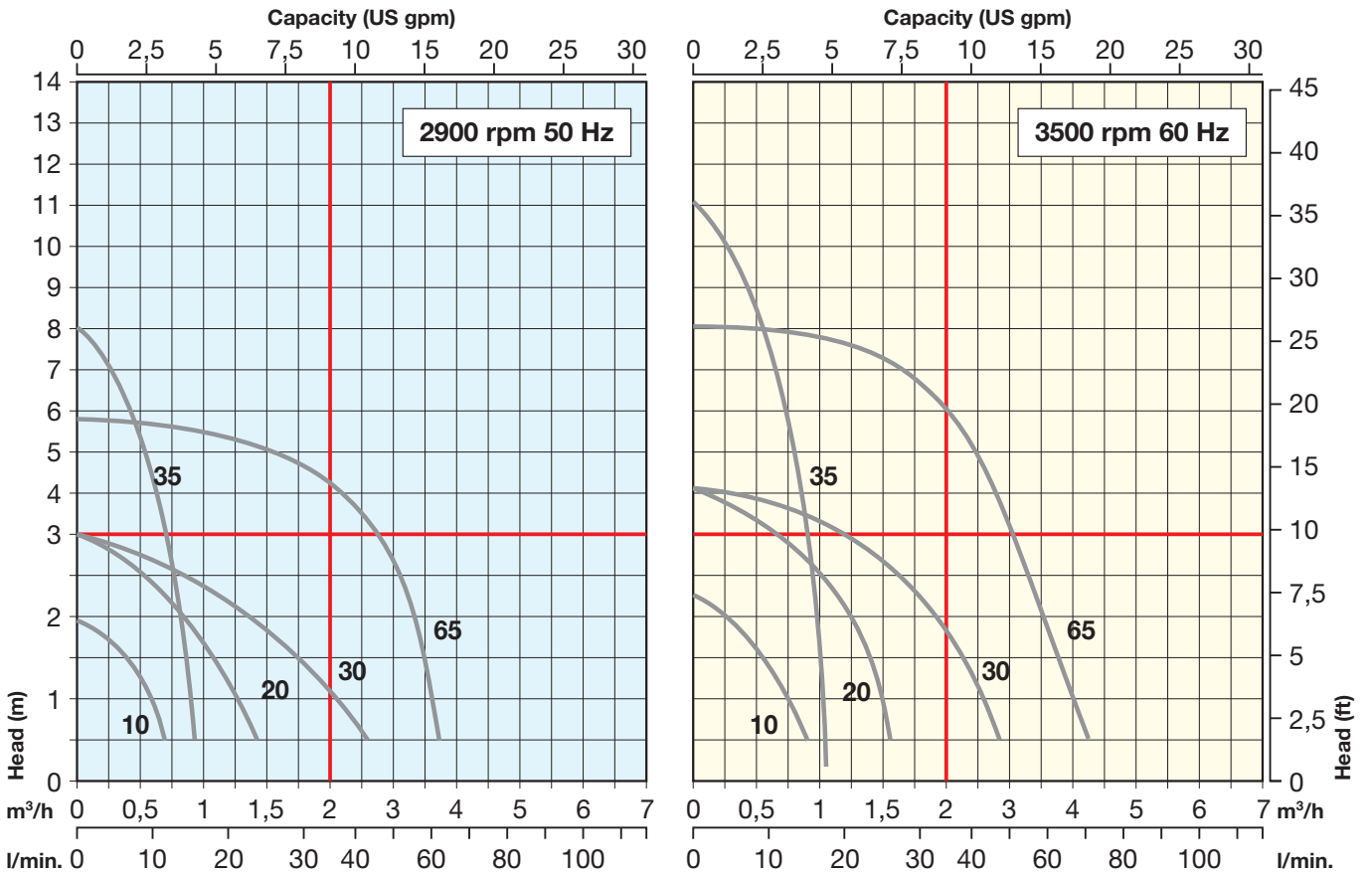
CONSTRUCTION

- The drive magnet assembly hauls ferrite magnets, revolves outside the rear casing and drives the impeller magnetically.
- The volute casing is a monolithic injection moulded part made of glass reinforced polypropylene with encapsulated front spindle bearing; the connections can be either hosed or screwed.
- The rear casing is made by the same process and the thermoplastic material of the front casing and hosts the rear spindle's bearing.
- The coupled volute casing and rear casing realise the leakage proof casing of the pump.
- The polypropylene impeller features built in ceramic spindle and ferrite magnets.

TMB models	10	20 - 30 - 35 - 65
Execution	WR	WR
Internal structure	N ₁	N ₁
Volute casing	GFR - PP	GFR - PP
Rear casing		
Centrifugal impeller		
Guide bushing	-	GFR/PTFE
Spindle	CER	CER
Thrust bush	GFR/PTFE	CER
OR gasket	FKM	FKM
Screws	Stainless steel	Stainless steel



GENERAL PERFORMANCE CURVE



Curves referred to: water et 20 °C - viscosity 1 °E

