

Goulds Pumps

Ag-Flo

Close-Coupled/Frame Mounted/ SAE Centrifugal Pumps





Goulds Pumps is a brand of ITT Corporation.

www.goulds.com

Engineered for life

Goulds Pumps Ag-Flo Series builds on over 150 years of hydraulic and manufacturing expertise to produce the finest pump in the industry. Our line of cast iron close coupled and SAE drive centrifugal pumps are offered with a variety of options to make them suited to almost any irrigation application.

Hydraulic Capabilities

- Flows to 4500 GPM
- Heads to 400 feet
- Temperatures to 250°F
- Pump can withstand pressures to 200 PSI

Typical Applications

- Center pivot irrigation
- Flood irrigation
- Drip irrigation
- Spray irrigation
- General turf irrigation

Features and Benefits

The Ag-Flo has many features that make it suitable for virtually any application:

- Heavy casing wall increases the life of pump components by resisting corrosion and abrasion from sand, silt and other aggressive conditions.
- Bronze wear rings can be removed and replaced to maintain pump efficiency without changing the casing or seal housing.
- Mechanical seal and packing options are available to suit a wide variety of applications.
- SAE option allows liquid ends to be mounted to gas or diesel engines for application where electricity is not readily available.
- Available in cast iron / bronze fitted or all iron.







Product Description

Casing

- Casings with suctions 3" and smaller can be rotated every 90°, casings 4" and larger can be rotated every 45°.
- Thick wall provides maximum abrasion resistance and prevents failure in the event of pressure pulsations.
- Dual volute on larger sizes equalizes axial thrust loads to promote long bearing and shaft life.
- Heavy duty design allows for vertical (suction down) mounting.



Internals

- Shaft sealing can be accomplished with a rotating mechanical seal or optional packed box design.
- PrimeSafe[™] option prevents against dry running utilizing a grease-filled gland.
- Available with silicon bronze or cast iron impellers.
- Replaceable wear rings and shaft sleeve affords extended operation of the pump.

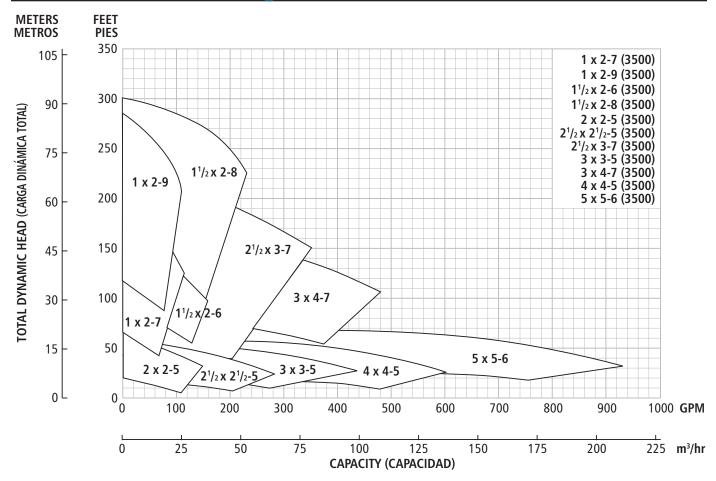
Drivers

- Available as close-coupled, frame mounted or SAE drive.
- Close-coupled pumps can be mounted with either TEFC or ODP motors.
- SAE drive pumps have optional splined shaft.

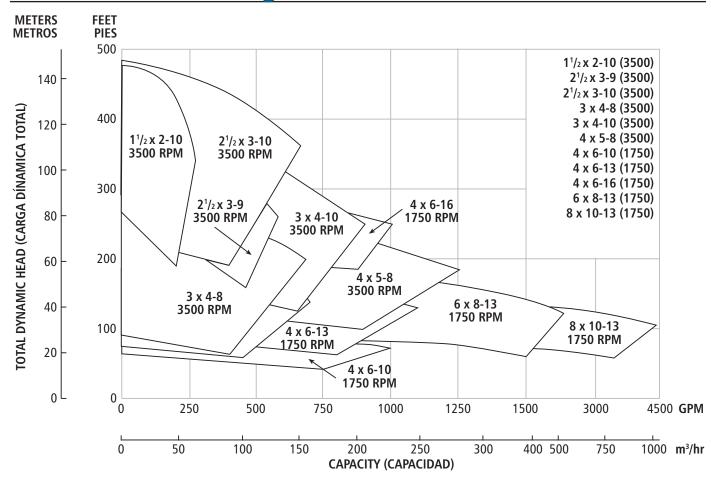




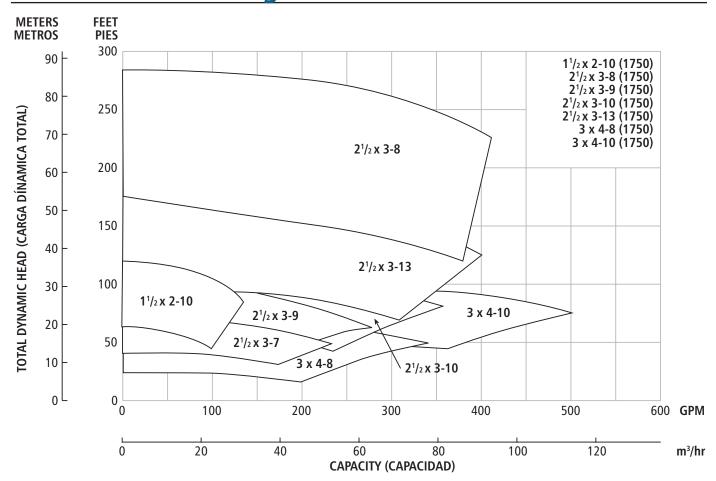
Performance Coverage Curves



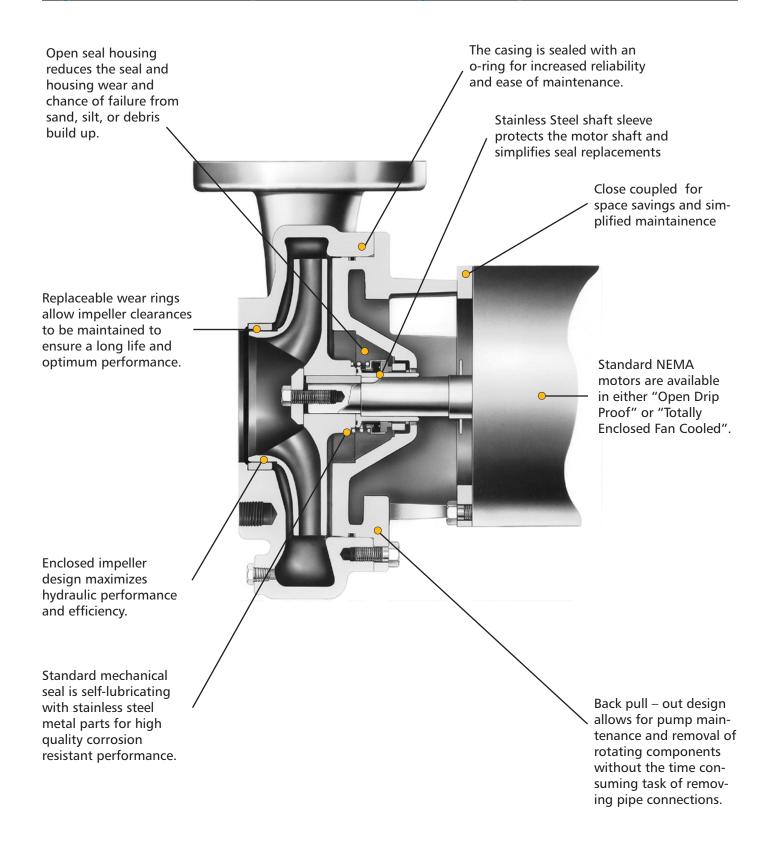
Performance Coverage Curves



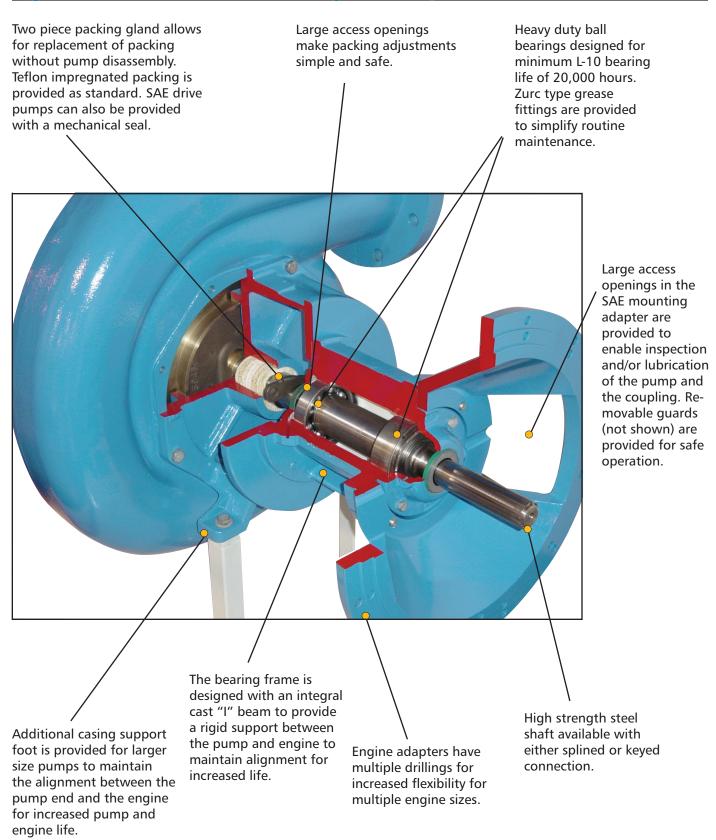
Performance Coverage Curves



Ag-Flo Close-Coupled Centrifugal Pumps



Ag-Flo SAE Drive Centrifugal Pumps



Ag-Flo Materials of Construction

Component	All Iron (FE)		Bronze-Fitted (FE)	
	Material	Spec	Material	Spec
Casing	Cast Iron	ASTM 148 CL30	Cast Iron	ASTM 148 CL30
Impeller	Cast Iron	ASTM 148 CL20	Silicon Bronze	ASTM B584 C87500
Wear Ring	Cast Iron	ASTM 148 CL20	Bizmuth Brass	NA
Seal Housing / Adaptor	Cast Iron	ASTM 148 CL30	Cast Iron	ASTM 148 CL30
Shaft Sleeve	Stainless Steel	AISI Type 300	Stainless Steel	AISI Type 300
Impeller Key	Carbon Steel	A108	Carbon Steel	A108
Impeller Bolt / Nut	Stainless Steel	AISI Type 300	Stainless Steel	AISI Type 300
Impeller Washer	Stainless Steel	AISI Type 300	Stainless Steel	AISI Type 300
Mechanical Seal	316 SS Metal Parts / Carbon Rotating Face / Ceramic Stationary			

Other Irrigation Products (from full line brochure)









Other Irrigation Products



Turbine

AquaForce



Aquavar CPC





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