

Pump Selection Guide

Goulds Pumps presents this *Pump Selection Guide* to assist users in making an easy initial selection of the best pump for a particular service. To do this, simply refer to the selection chart on page 3 where the full line of Goulds, Vogel and Richter pumps are listed by pump type.

For more details about your selection, refer to the page indicated.

Contact your nearest Goulds, Vogel or Richter sales office or representative for a complete data package on any pump(s) in which you are interested. They will also furnish you with any information you require to assure proper pump selection for optimum reliability and performance.

Goulds Pumps...Serving The World's Industries



Chemical

The family of chemical process pumps include both ANSI and ISO models. Unique non-metallic pumps offer distinct advantages when handling severe corrosives. Magnetic drive pumps are designed for services where leakage cannot be

tolerated. Our complete understanding of chemical processing and related industries gives us a clear advantage in finding solutions to these particular pumping problems.



Pulp And Paper

Goulds leadership in the pulp and paper industry has been largely due to the success of our comprehensive range of pumps that stand up to the harsh operating requirements of this industry. The Model 3175 has been prized for performance since its introduction in 1968. Goulds latest

3180/3185 paper stock/process pump line extends the offering farther for users with a preference for a metric pump. Other superior pumps include the 3500 medium consistency stock pump and a complete line of double suction and LoPulse fan pumps.



Mining And Minerals

Goulds and Allis Chalmers dominance in the mining industry dates back to the latter 1800s. Designed for the most severe applications, our pumps can be found in coal, aluminum, copper, clay, phosphate, potash, soda ash, salt, and gold mines throughout the world.

The widest range of corrosion and abrasion resistant slurry pumps in the industry is offered, including vertical, horizontal and submersible designs for cyclone feed, tailings disposal, mine dewatering, clarifier underflow, and sump services.



Power Generation

Goulds offers a wide variety of pumps designed specifically for uses within this industry. The Model 3600, the most modern axially split multi-stage pump in the world, is ideally suited for boiler feed service. The 3310H segmented multi-stage pump is proven in over 1200 installations worldwide.

Vertical turbine and double suction pumps can handle the most demanding condensate or circulating water needs. Sumps can be cleared with Goulds line of vertical or submersible sump pumps. Also available are pumps for slurry, ash handling and other tough applications.



Oil Refining And Gas Processing

The Model 3700 API process pump has set performance standards and contributed to Goulds leadership in this industry. For in-line services, Goulds offers the 3910 API pump. Vertical turbine pumps are available in any configuration including can pumps for low NPSH,

fire pumps and submersibles. Design and manufacturing capabilities include standard commercial grades, ASME Section VIII, and API-610 (8th Edition) for total line capability.



Primary Metals

The wide range of products makes Goulds the ideal choice for the demanding services of this industry. Vertical and submersible abrasives handling, slurry pumps for scale pits, chemical pumps for pickle liquor and leaching solutions,

vertical turbines and double suction pumps for cooling tower and dewatering applications. Also, pumps for waste acid, scrubber service, and quench.



Water And Wastewater

Goulds and Allis Chalmers offers the most comprehensive line of double suction, end suction, multi-stage, non-clog and vertical turbine pumps for water supply, booster, low lift, and high lift. For non-clog solids handling,

a range of horizontal, vertical sump and submersible pumps has helped professional engineers solve pollution problems around the world.



Food And Beverage

Adhering to strict process requirements is only one of the reasons for Goulds entry into the forefront of these industries. Goulds pumps handle a wide variety of grain processing,

water, wastes, corrosives, and erosives. Breweries, bottling companies, canneries and a multitude of food and liquid industries rely on Goulds for successful operations.

Pump Selection Chart

Goulds makes the widest range of pumps in the industry — pumps to handle virtually any service. This selection chart is designed to help you find and specify the best pump for your service.

Pump Category	Goulds Model	Pump Type	Chemical	Pulp & Paper	Mining & Minerals	Power Generation	Oil Refining & Gas Processing	Primary Metals	Water & Wastewater	Food & Beverage	Nature of Pumpage			Refer to Page		
											Corrosive	High Temperature 500°F (260°C) and Greater	Solids			
													Abrasive		Non-Abrasive	Fibrous/Stringy
PumpSmart	Process Pumping System													2		
PRO Service	Repair & Service of all Rotating Equipment Types and Manufacture													4		
Paper Stock/Process	3175	Paper Stock/Process												5		
	3180/3185	Paper Stock/Process												5		
	3181/3186	High Temperature												5		
Chemical Process	3500	Heavy Duty Paper Stock												5		
	3171	Vertical Sump & Process												5		
	CV 3171	Non-Clog Vertical Sump Process												5		
	NM 3171	FRP Vert. Sump/Process												5		
	3196	ANSI Chemical Process												6		
	LF 3196	Low Flow ANSI Process												6		
	HT 3196	ANSI High Temperature Process												6		
	CV 3196	Non-Clog Process												6		
	3796	Self-Priming Process												6		
	3996	ANSI In-Line Process												6		
	3296	ANSI Metallic Sealless Process												7		
	NM 3196	ANSI FRP Process												7		
	3298/SP 3298	ANSI Tefzel® Lined Sealless												7		
	3200	Light Duty Sealless												7		
	3198	ANSI PFA Teflon® Lined Process												7		
	V 3298	Tefzel® Lined Sealless												7		
	3299	ANSI PFA Teflon® Lined Sealless												7		
	IC	ISO Chemical Process												8		
	ICB	Close-coupled ISO Process												8		
	ICP	High Temperature ISO Process												8		
	ICM	ISO Metallic Magnetic Drive												8		
	SCK	ISO Heavy Duty Lined Process												8		
	MPB/F	Peripheral with Magnetic Drive												8		
	MDK	ISO Lined/Medium Duty Sealless												8		
	MNK	ISO Lined/Heavy Duty Sealless												9		
	ICMP	High Temp. ISO Magnetic Drive												9		
	MNK-X/SCK-X	Lined Vortex												9		
	MNK-S/SCK-S	Lined Self Priming Heavy Duty												9		
API Process	3700/3710	API-610 Process												10		
	3910	API-610 In-Line												10		
	3620	High Temp. Double Suct.												10		
	3640	High Temp. Two-Stage												10		
	CPR	API Process												10		
Abrasive Slurry/Solids Handling	JC	Medium Duty Abrasive Slurry												11		
	SRL	Rubber-Lined Abrasive Slurry												11		
	5000/RX	Side Suction Abrasive Slurry												11		
	Slurry Pro	Heavy Duty Abrasive Slurry												11		
	5500	Severe Duty Abrasive Slurry												11		
HS	Non-Clog Solids Handling												11			
Multi-Stage & Double Suction	3316	Two-Stage												12		
	3310H	High Pressure Multi-Stage												12		
	3600	Heavy Duty Multi-Stage												12		
	3335	Diffuser Type Multi-Stage												12		
	3935													12		
	3408	Single-Stage, Double Suction												13		
	3409													13		
	3410													13		
	3420													13		
	3498													13		
MP	Multi-Stage												13			
P	Multi Stage												13			
Double Suction	3415	Single-Stage, Double Suction												13		
	Sump/ Abrasives/ Solids Handling	Whirl-Flo	Vortex												14	
		Prime Line	Industrial Self-Priming												14	
		Trash Hog	Solids Handling, Self Priming												14	
		VHS	Vertical Cantilever												14	
		5100													14	
		5150													14	
		VJC	Submersible												14	
		HSU													14	
		HSUA													14	
HSUL														14		
JCU													14			
General Service/ Vertical Turbine	AF	Axial Flow												15		
	VIT & VIC	Vertical Turbine/Can Type												15		
	VMF/VAF	Mixed Flow/Axial Flow												15		
	VMP	Vertical Marine												15		
	VIS	Vertical Submersible												15		

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 Ideally Suited for Service Indicated