

POSITIVE DISPLACEMENT ROTARY GEAR PUMP

PA200S

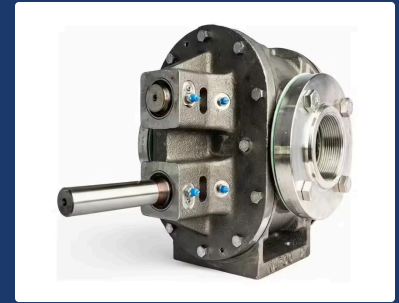
2" Stainless Steel Rotary Gear Pump

SELF-PRIMING

BI-DIRECTIONAL

FIELD SERVICEABLE

MADE IN USA



2"

PORT SIZE, NPT

69 GPM

MAX FLOW @ 190 RPM

100 PSI

MAX PRESSURE

190 RPM

MAX SPEED

114 lbs

NET WEIGHT

OVERVIEW

The PA200S is a 2" port positive displacement rotary gear pump with a stainless steel housing and nitrile gears. It handles chemical transfer, corrosive fluids and food-grade duty at up to 69 GPM and 100 PSI, and is fully rebuildable in the field with standard hand tools.

The 2" platform suits lower-volume metering and transfer where the 3" PA300S would be oversized. For background on the pumping principle, see what a rotary gear pump is.

TYPICAL APPLICATIONS

Chemical transfer

Corrosive fluids

Food & beverage

Flavourings & syrups

Bulk emulsion

Adhesives & sealants

Industrial fluid transfer

PERFORMANCE – WATER @ 190 RPM

SG 1.0 • AMBIENT

RPM	PSI	GPM	FLOW	BRAKE HP
190	10	69		0.6
190	30	65		1.8
190	50	64		3.2
190	70	62		4
190	100	60		5.7

Higher-viscosity fluids may require lower RPM. Flow bars are scaled to the 69 GPM maximum.

CONFIGURATION

HOUSING

Stainless Steel

Corrosion resistant

GEARS (STD)

Nitrile

Chemical & food-grade

GEAR OPTIONS

Viton®

For aggressive chemicals

PORTS

2" NPT

Threaded ANSI flange

ROTATION

Bi-Directional

CW / CCW line clearing

MATERIALS OF CONSTRUCTION

Housing	Stainless Steel
Shaft	Stainless Steel
Gears (standard)	Nitrile
Gears (optional)	Viton®
Port gaskets	Asbestos-free paper
High pressure seals	Viton®
Low pressure seals	Viton®
Bearings	Roller

CONNECTIONS, WEIGHTS & SHIPPING

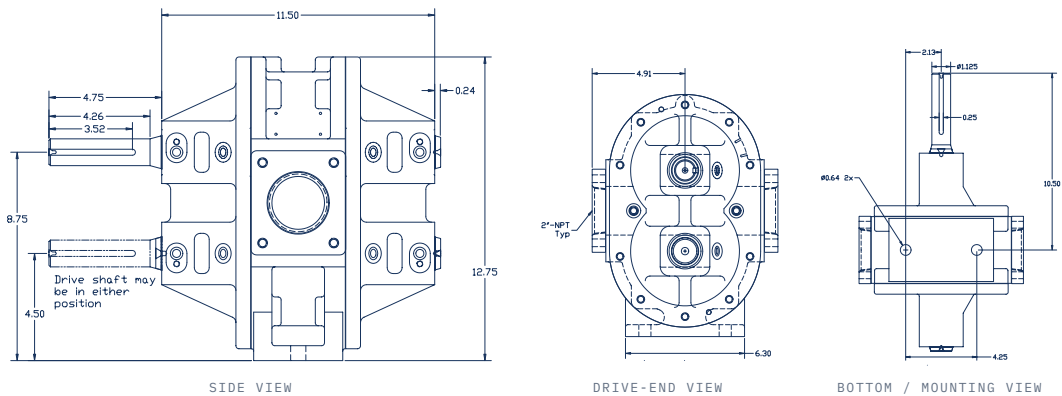
Net weight	114 lbs
Port connection	2" NPT
Shaft diameter	Ø1.125"
Shaft keyway	0.25"
Mounting holes	2 x Ø0.64" thru

SEAL & GASKET PART NUMBERS

PM036	High pressure seal — 4 req.
PM037	Low pressure seal — 4 req.
PM007G01	Centercase gasket — 0.016"
PM007G02	Centercase gasket — 0.008"
PM038	Roller bearing — 4 req.

REFERENCE DRAWINGS

INCHES · NOT FOR FABRICATION



Drive shaft may be fitted in either position.



REBUILD, DON'T REPLACE
PK200S — 2" Stainless Steel Repair Kit

Drive and idler gear assemblies, all high- and low-pressure seals, all bearings, and a full gasket set — everything needed to restore the pump to original factory specification.

REBUILD TIME	COST VS. NEW PUMP
2-4 hours, hand tools	30-50% less

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