

POSITIVE DISPLACEMENT ROTARY GEAR PUMP

PA200C

2" Ductile Iron 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 PA200C is a 2" port positive displacement rotary gear pump with a ductile iron housing and nitrile gears. It moves petroleum products, adhesives, sealants and industrial fluids at up to 69 GPM and 100 PSI, and is fully rebuildable in the field with standard hand tools.

Ductile iron is the economical choice wherever the fluid is not corrosive. For chemical or food-grade duty, see the stainless PA200S — or the full stainless vs. ductile iron comparison. For background on the pumping principle, see what a rotary gear pump is.

TYPICAL APPLICATIONS

Petroleum & fuel transfer

Adhesives & sealants

Explosives & mining

Paints & coatings

Lubricants & waste oil

Chemical transfer

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

Ductile Iron

Economical, non-corrosive duty

GEARS (STD)

Nitrile

Petroleum & industrial

GEAR OPTIONS

Viton®

For aggressive chemicals

PORTS

2" NPT

Threaded ANSI flange

ROTATION

Bi-Directional

CW / CCW line clearing

MATERIALS OF CONSTRUCTION

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

CONNECTIONS, WEIGHTS & SHIPPING

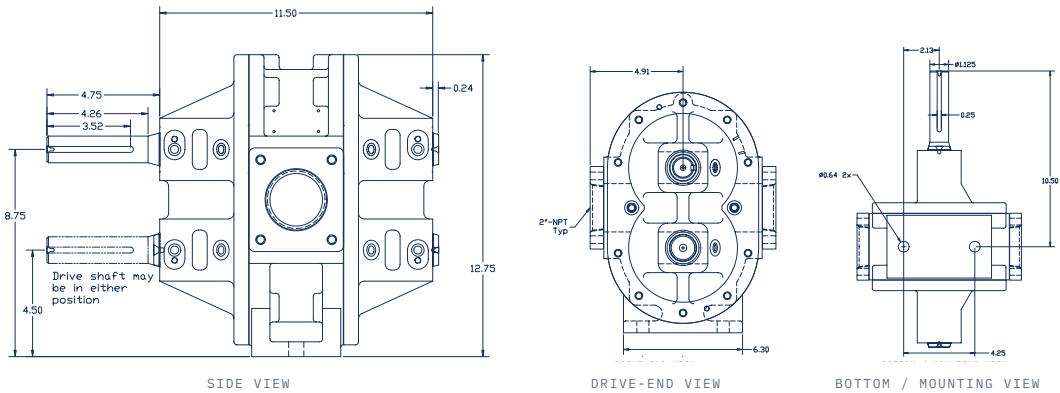
Net weight	114 lbs
Port connection	2" NPT
Shaft diameter	Ø1.125"
Shaft keyway	0.25" x 3.52"
Shaft protrusion	4.75"
Mounting holes	2 x Ø0.64" thru

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
PK200C — 2" Ductile Iron 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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