



High Flow
CRUDE OIL
PIPELINE
INJECTION
PUMPS

HEAVY DUTY
TWIN GEAR
PUMP

EXPERIENCE

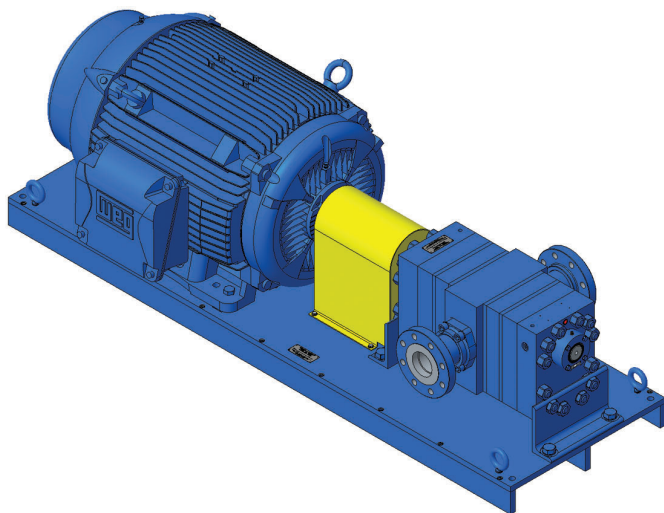
RELIABILITY

SAFETY



FEATURES & BENEFITS

- Discharge pressures up to 1440 PSI
- Very smooth pulse free flow
- Easily varied flow output
- No elastomers or stators
- Competitively priced
- Short lead times
- Small Footprint



For more than eight decades, Northern has set the standard for reliability in gear pump manufacturing. We take pride in delivering results for our customers that no other pump company can match.

With the capability to generate discharge pressures up to 1,440 PSI and offer a broad turndown ratio, Northern pumps are the trusted choice for crude oil injection in pipeline applications. From discharging out of a LACT unit to boosting systems that can no longer keep up with rising line pressures, Northern pumps deliver consistent, flawless performance.

At just 30% of the size of a progressive cavity pump, Northern pumps are far easier to install, operate, and maintain—without the headaches of elastomer stators that swell or seize.

Smaller. Stronger. Smarter. That's Northern.



**HIGH FLOW
CRUDE OIL
PIPELINE
INJECTION
PUMPS**

**EXPERIENCE
RELIABILITY
SAFETY**

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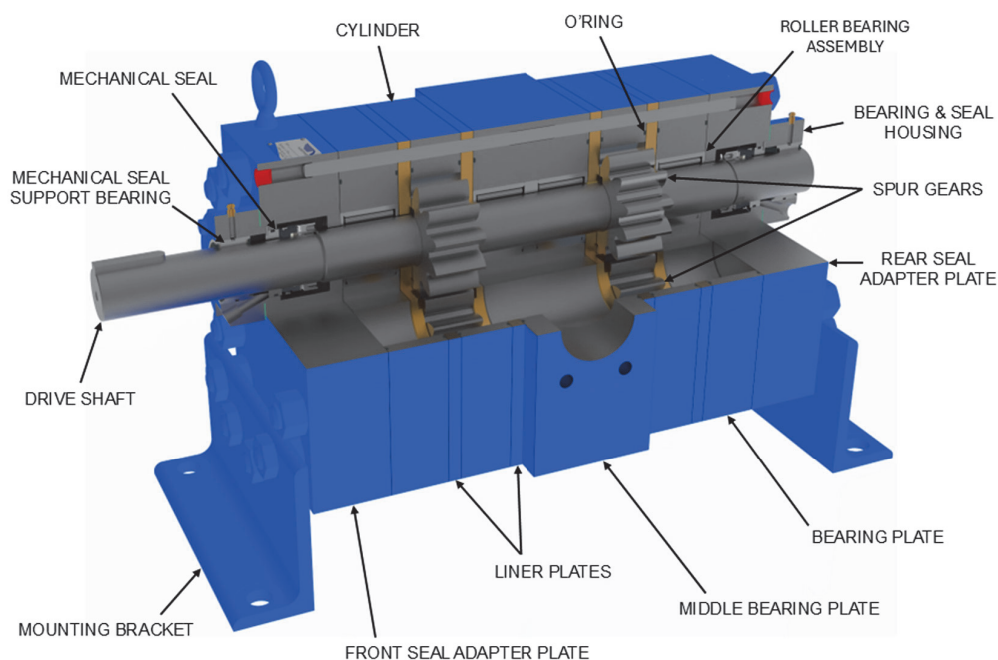
Specifications:

Flow: Up to 390 GPM / 13371 BPD

Pressure: Up to 1440 PSI

Pressure Differential	Flow Rates									
	4902-10		4902-15		4902-20		4902-25		4902-30	
PSI	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD	GPM	BPD
200	127	4354	193	6617	259	8880	324	11109	390	13371
400	120	4114	184	6309	248	8503	313	10731	377	12926
600	112	3840	175	6000	238	8160	301	10320	-	-
800	105	3600	166	5691	228	7817	-	-	-	-
1000	97	3326	157	5383	-	-	-	-	-	-
Max Δ Pressure	1440 PSI		1165 PSI		875 PSI		700 PSI		580 PSI	

**Flow calculations are at 1750 RPM, assuming 4 cP crude oil.*



HIGH PRESSURE
DIFFERENTIAL

RUGGED
DESIGN

PRECISION
MANUFACTURING

Materials of Construction:

Gears: Hardened and Ground 8620 Alloy Steel

Shafts: Hardened and Ground 8620 Alloy Steel

Bearings: AISI 52100 Roller Bearings

Coated Liner Plates

Shaft Seal: Type 8B-1 or 8-1 Mechanical Seal

Inlet/Outlet Connections: SAE J518 Code 61
NPT, Flanged or Other adapters available

Northern is 100% US manufactured which provides for quick deliveries and easy serviceability.

Contact us with your application today!



Made in the USA





NORTHERN PUMP

Manufacturing the Highest Quality Pumps for over 85 years



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