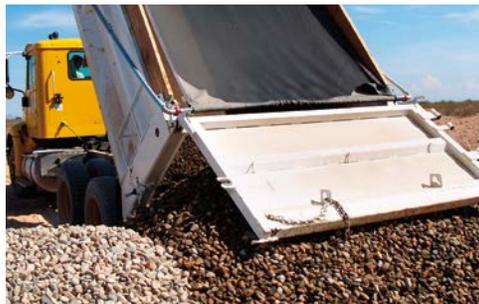


# WK-103C

3 line system



# High Performance hydraulic systems



## Gear Pump With Tipping Valve On Cylinder

- High efficiency bi-directional gear pump
- 35 gallon hydraulic oil reservoir with mounting brackets and fasteners
- Pneumatic tipping valve control on cylinder
- 27 GPM with up to 3000 psi hydraulic system
- For intermittent and continuous operation of dump trucks

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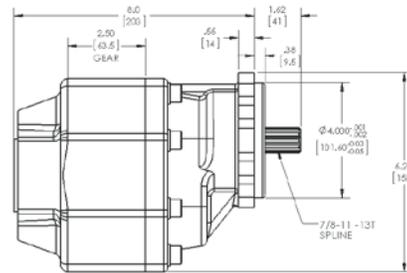
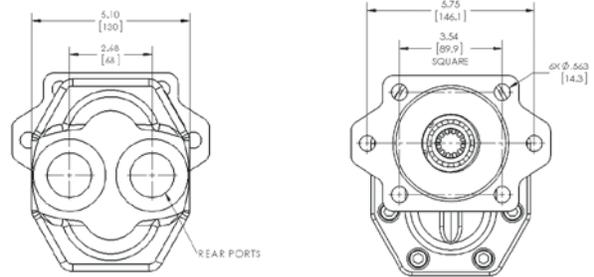
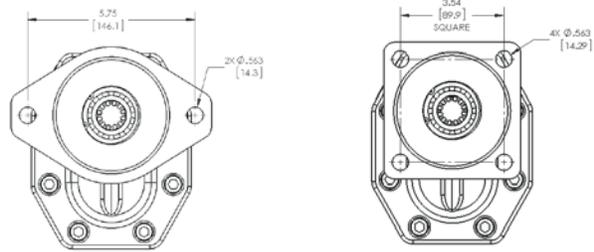
# Hydraulic Pump

GP350 series



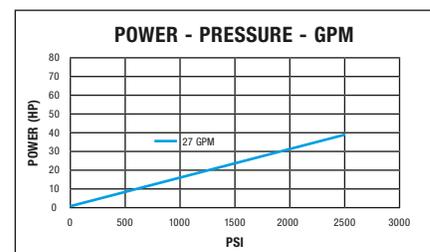
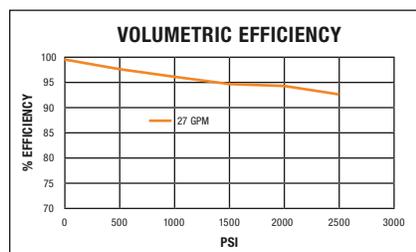
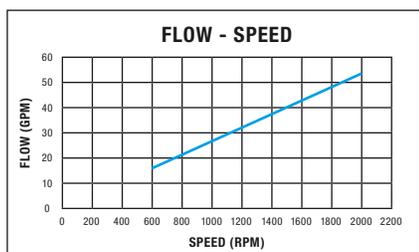
## High Performance P350 Pump Replacements

- High grade cast iron pump body
- Two-piece design
- High performance 97% efficiency rating
- Lightweight design
- Multiple configuration
- SAE "B" 4 bolt and 2/4 bolt
- Max. continuous pressure 3000 psi
- High pressure front seal
- 35 lbs.



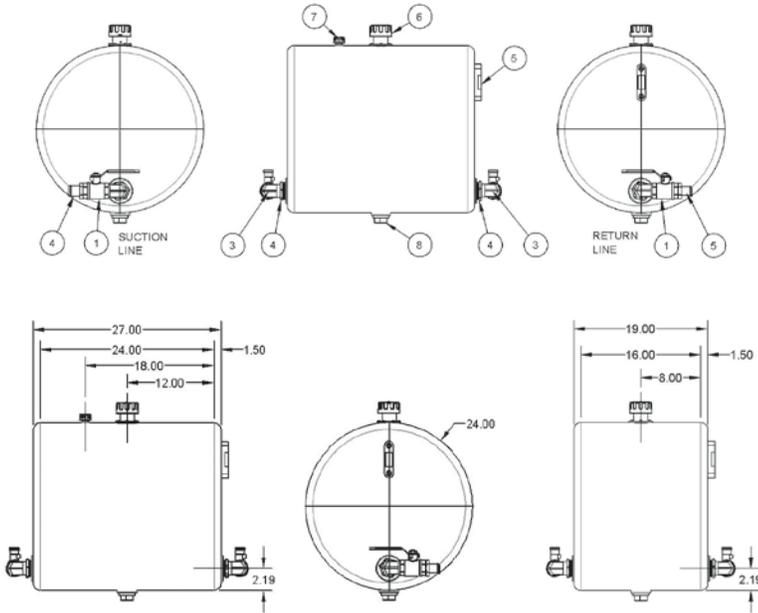
## Bushing Pump Bi-Rotational with Rear Ports

PART NUMBER	DESCRIPTION	SHAFT	MOUNTING	GEAR	INLET & PRESSURE PORTS
CHGP350A346VCEB25-25	Bi-Rotational Bushing Pump	7/8" 13 Tooth	2/4 Bolt "B" Flange	2.5" (6.2 cu in)	1-1/4" NPT
CHGP350A342VCEB25-25	Bi-Rotational Bushing Pump	7/8" 13 Tooth	4 Bolt "B" Flange	2.5" (6.2 cu in)	1-1/4" NPT
CHGP350A397VCEB25-25	Bi-Rotational Bushing Pump	7/8" 13 Tooth	2 Bolt "B" Flange	2.5" (6.2 cu in)	1-1/4" NPT

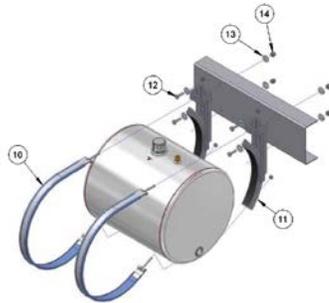


# Hydraulic Reservoir

## Assembly (Saddle Mount)



ITEM	DESCRIPTION	QTY
1	1-1/2" NPT X 1-1/2" Hose Adapter	1
2	1-1/2" Ball Valve	1
3	1-1/2" Elbow	1
4	2" x 1-1/2" NPT Reducer	1
5	Oil Level Indicator	1
6	Breather/Filler	1
7	Filter	1
8	Pipe Plug 2.00 NPTF	2
9	1-1/2" NPT X 1-1/4" Hose Adapter	1
10	Straps	2
11	J-Bracket	2
12	Bolt, 1/2-13 UNC X 2-1/2 LG.	4
13	Flatwasher, Ø 1/2"	8
14	Lock Nut, 1/2-13	4



- Aluminum construction
- Steel finish: black powder coated
- Aluminum finish: bright polished
- Three heavy duty NPT bottom ports with built in diffusers
- Filler/breather assembly – including 40 micron filter/breather cap (chain mounted) with nylon strainer basket and bayonet closure
- Includes mounting kit with J-brackets and stainless steel straps
- Sight/temperature gauge standard
- Return line pressure gauge
- Return filter 10 micron/25 psi bypass
- 1-1/4" NPT return filter ports

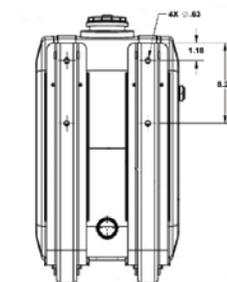
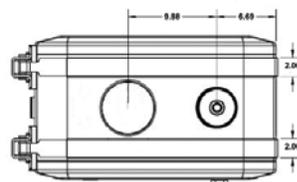
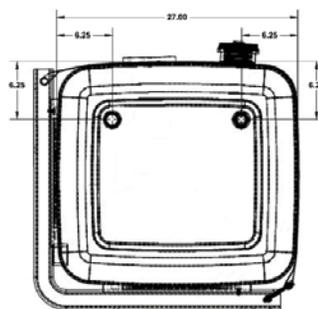
PART NUMBER	DESCRIPTION	MATERIAL	CYLINDER OIL EXTEND CAPACITY	THREE BOTTOM PORTS
HRA-2-35-RSMA-2ST	35 Gallon Round Saddle Mount	Aluminum	28 gallon	2" NPT
HRA-2-35-RSMA-2ST-SS	35 Gallon Round Saddle Mount w/ Stainless Straps	Aluminum	28 gallon	2" NPT



# Hydraulic Reservoir

## Assembly (Side Mount)

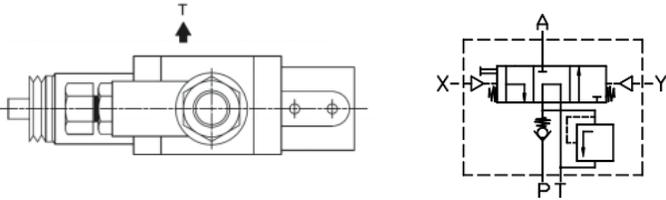
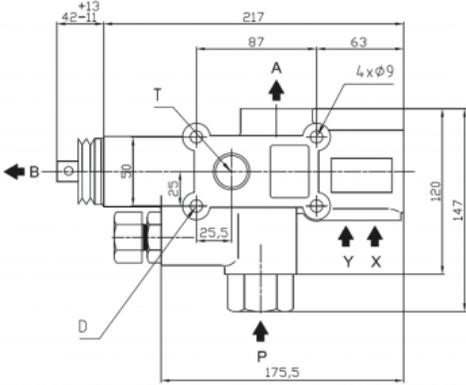
- Steel or aluminum construction
- Steel finish: black powder coated
- Aluminum finish: bright polished
- 1-1/2" BSP suction port
- 1" BSP return port (plugged)
- Filler/breather assembly – including 40 micron filter/breather cap with strainer basket
- Includes mounting kit with J-brackets and stainless steel straps
- Oil level sight gauge standard



PART NUMBER	DESCRIPTION	MATERIAL	CYLINDER OIL EXTEND CAPACITY
HRA-1-35-SMA-SS	35 Gallon Side Mount w/ Stainless Straps	Aluminum	28 gallon
HRA-1-35-SMS-SS	35 Gallon Side Mount w/ Stainless Straps	Steel	28 gallon

# Tipping Valve

Cylinder Mounted



- High grade cast iron valve body
- Lightweight design with small envelope
- Pressure relief valve
- Cylinder mounted SAE CODE 61
- High pressures up to 3000 psi
- Pneumatic control valve with push-on hose connectors

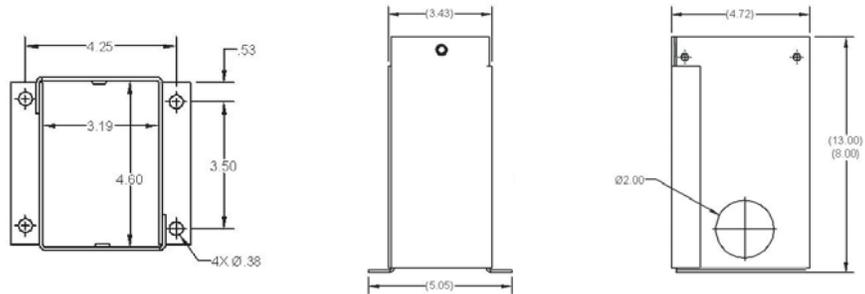
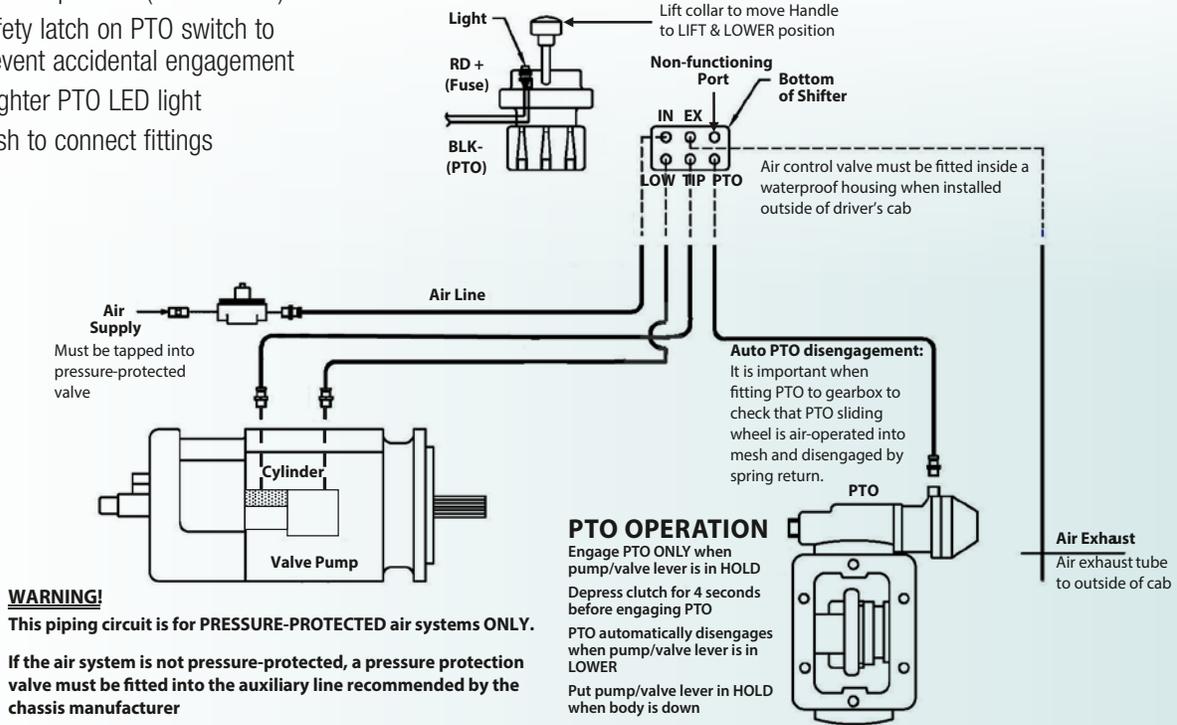
PART NUMBER	DESCRIPTION	MAX. OPERATING PRESSURE	FLOW RATE	CYLINDER PORT
TVC-1-45	Tipping Valve Cylinder Mounted	3000 PSI	45 GPM	1" SAE CODE 61

# Hoist Control

## Pneumatic



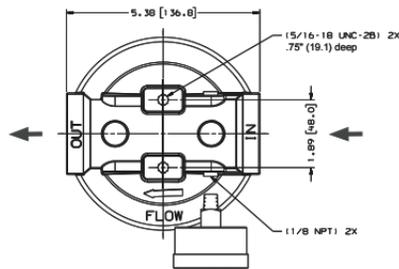
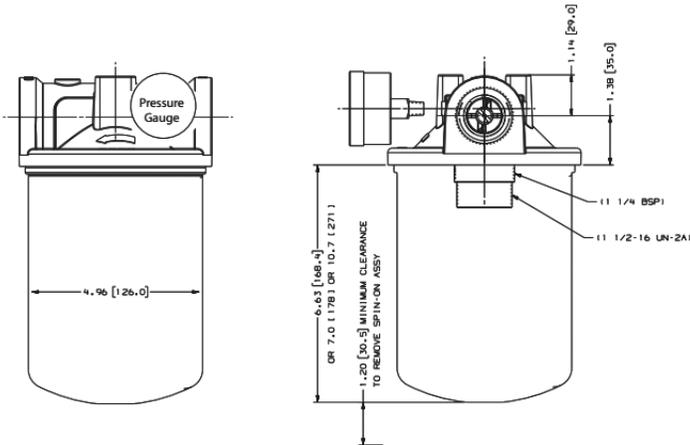
- Controlled lowering
- Automatic disengagement of PTO in lower position (PTO Kickout)
- Safety latch on PTO switch to prevent accidental engagement
- Brighter PTO LED light
- Push to connect fittings



PART NUMBER	DESCRIPTION	PTO KICKOUT	DEAD MAN HANDLE (Spring to Neutral)	CONTROL TOWER
HCP-1-295	Metering Hoist Control	Yes	No	No
HCP-1-295M	Metering Hoist Control	No	No	No
HCP-1-295DMH	Metering Hoist Control	Yes	Yes	No
HT-8	Hoist Control Tower	No	No	8"
HT-13	Hoist Control Tower	No	No	13"

# Hydraulic Reservoir

## Assembly (Round Saddle Mount)



- Low pressure spin-on filter
- 10 micron filter element
- Beta Rating to  $\beta_{<4(c)} = 1000$
- 150 psi working pressure and 250 psi burst pressure
- Die cast aluminum head and steel body
- Operating temperature -22°F to 225°F
- Color coded pressure gauge

PART NUMBER	DESCRIPTION	BYPASS RATING	FLOW	PORTS
IRF-1-25-A	In-line Filter	25 psi	60 gallon	1-1/4" NPT

# Hydraulic Cylinders

## 1500 Series

Trunnion Mounting



## 2000 Series

Trunnion Eye Mounting



## 2500/2600 Series

Pin Eye Mounting



## 3000 Series

Trunnion Pin Ported



## 4000 Series

Pin-to-Pin Mounting



## Rod Cylinder



Custom Hoists produces the widest range of telescoping and rod cylinders in the industry designed to work in tune with our wet kits and pumps. We offer European and traditional head nut designs in a wide range of sizes and mounting configurations to fit your needs. Contact us today to learn how we can provide full system hydraulic solutions for all your lifting needs.



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