



DUMP

PRODUCT OVERVIEW



POWER TAKE-OFFS AND HYDRAULIC COMPONENTS



Muncie Power Products, Inc. is a proud manufacturer of power take-offs and fluid power components for applications within the dump industry. Since the company was founded in 1935, Muncie Power Products has taken great pride in providing unparalleled service to each and every customer. In collaboration with other companies within the Interpump Group, Muncie Power Products has the ability to provide access to nearly every major component in a hydraulic system with the dependability you've come to expect from Muncie Power Products.

At Muncie Power Products, it's about more than building hydraulic components; it's about building trust.

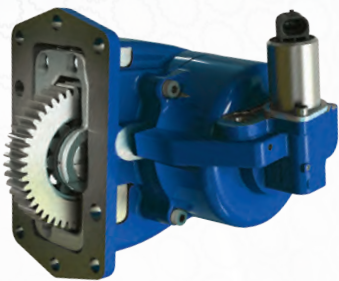


**WE BUILD
TRUST.**



YARD DUMP

F20 SERIES



- Designed for the Ford Super Duty trucks F-250–F-600, with the Ford 10R140 transmission
- Features patent-pending noise abatement technology
- Solenoid activated

MAX TORQUE
INTERMITTENT: 261 lbs.ft. (353 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 50 HP (37 kW)

APPROX. WEIGHT 29 lbs. (13.2 Kg.)

TRANSMISSION: FORD 10R140

FR6Q SERIES



- Fits Ford Super Duty trucks with Ford 6R140 transmission, primarily F-350-550 (may also be used on F-650/F-750)
- Noise abatement mechanism eliminates virtually all gear rattle noise

MAX TORQUE
INTERMITTENT: 200 lbs.ft. (271 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 39 HP (29 kW)

APPROX. WEIGHT 35 lbs. (15.9 Kg.)

TRANSMISSION: FORD 6R140

TG SERIES



- Versatile PTO with 10 speed ratios for all popular transmissions
- Lightweight, reduced noise and superior heat dissipation

MAX TORQUE
INTERMITTENT: 285 lbs.ft. (386 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 54 HP (40 kW)

APPROX. WEIGHT 22 lbs. (10.0 Kg.)

TRANSMISSIONS: AISIN, ALLISON, EATON FULLER, MACK

CS6/8 SERIES

- Designed for Allison 1000 and 2000 Series automatic transmissions as well as many current manual transmissions offering direct-mount pump options
- Patented, Muncie Power drag break prevents shaft rotation in “off” mode
- Direct-mount flanges with ability to rotate allow the pump to be positioned for maximum clearance

| | |
|--|----------------------------|
| MAX TORQUE INTERMITTENT: | 300 lbs.ft. (407 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 57 HP (43 kW) |
| APPROX. WEIGHT | 47-49 lbs. (21.3-22.2 Kg.) |



TRANSMISSIONS: AISIN, ALLISON, EATON FULLER, MACK

8405/6A SERIES

- 8-bolt mount for Eaton and Mack transmissions
- Robust design provides a rigid structure for high vibration environments

| | |
|--|----------------------|
| MAX TORQUE INTERMITTENT: | 225 lbs.ft. (312 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 44 HP (33 kW) |
| APPROX. WEIGHT | 37 lbs. (16.8 Kg.) |



TRANSMISSIONS: EATON FULLER, MACK

F SERIES

- 12 pump sizes available to fit a wide variety of applications
- Pressure-balanced bushing blocks and sleeve bearings provide long life and high performance

| | |
|---------------------------------|---------------------------------|
| MAX OP. PRESSURE | 3,625-2,250 PSI (250-155 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 1.07-8.70 GPM (4.0-33.0 LPM) |
| DISPLACEMENT | 0.24-2.01 cu.in. (3.9-32.9 cc.) |
| APPROX. WEIGHT | 7.51-10.01 lbs. (3.4-4.5 Kg.) |



K SERIES

- All cast iron construction with 4 ports and roller bearing design
- Designed to meet the application needs of either a pump or a motor

| | |
|---------------------------------|----------------------------------|
| MAX OP. PRESSURE | 3,000-2,500 PSI (207-172 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 4.2-17.1 GPM (15-64 LPM) |
| DISPLACEMENT | 0.98-3.94 cu.in. (16.1-64.6 cc.) |
| APPROX. WEIGHT | 26.5-34.1 lbs. (12.1-15.5 Kg.) |



* Flow rates are theoretical.

S SERIES HOIST



- Designed specifically for use on small single- or tandem-axle dump trucks
- 2- or 3-line system options available

| | |
|---------------------------------|---------------------------------|
| MAX OP. PRESSURE | 3,000-2,500 PSI (207-172 BAR)** |
| FLOW RATE (@ 1,000 RPM)* | 6.4-17.16 GPM (24.2-65.0 LPM) |
| DISPLACEMENT | 1.47-3.94 cu.in. (24-65 cc.) |
| APPROX. WEIGHT | 32-38 lbs. (14.8-17.2 Kg.) |

* Flow rates are theoretical. ** Flow rate per outlet.

V050 SERIES



- Small size, lightweight valve with versatile design configurations
- Available with 7, standard back-cap options and 5, standard control options

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|--------------------------|---------------------|
| FLOW RATE | |
| Nominal: | 13 GPM (50 LPM) |
| Maximum: | 16 GPM (60 LPM) |
| MAX PRESSURE | |
| 1-3 Sections: | 5,440 PSI (375 BAR) |
| 4-6 Sections: | 5,075 PSI (350 BAR) |
| 7-10 Sections: | 4,710 PSI (325 BAR) |
| MAX BACK PRESSURE | 365 PSI (25 BAR) |

V080 SERIES



- Constructed with high-grade iron castings and nickel-plated spools for use in high-pressure applications
- Load checks and inlet relief valve are standard

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| FLOW RATE | |
| Nominal: | 21 GPM (80 LPM) |
| Maximum: | 30 GPM (114 LPM) |
| MAX PRESSURE | |
| 1-3 Sections: | 5,075 PSI (350 BAR) |
| 4-6 Sections: | 4,650 PSI (320 BAR) |
| 7-10 Sections: | 4,350 PSI (300 BAR) |
| MAX BACK PRESSURE | 365 PSI (25 BAR) |

METAL ROUND



- Designed for hard working, continuous-duty applications
- Available in aluminum for lighter weight or steel for higher heat applications
- Offered in a wide variety of sizes

| | |
|-----------------------|----------------------------------|
| VOLUMES | |
| Aluminum (5 sizes): | 25-100 gal. (94.6-1,432.9 L) |
| Steel (5 sizes): | 25-100 gal. (94.6-1,432.9 L) |
| DIMENSIONS | |
| Aluminum: | 24 in. dia. x 15 in.-51 in. Long |
| Steel: | 24 in. dia. x 15 in.-51 in. Long |
| APPROX. WEIGHT | |
| Aluminum: | 73-180 lbs. (33.1-81.7 Kg.) |
| Steel: | 101-226 lbs. (45.8-102.5 Kg.) |

STEEL BOX

- Offered in a large variety of sizes from compact to mid-size
- Features multiple return ports, optional tank-top filter and sensors
- Designed for continuous-duty applications that generate significant amounts of heat

| | |
|--|-----------------------------|
| VOLUMES Available (7 sizes): | 7-40 gal. (26.5-151.4 L) |
| DIMENSIONS | Varies |
| APPROX. WEIGHT | 40-126 lbs. (18.1-57.2 Kg.) |



PIN-PIN

- One of the lightest cylinders on the market, which translates to greater payloads, less oil consumption and faster dumping
- A self-bleeding design for easier installation
- Single head nut with no further adjustments needed
- Chrome-plated final stage to extend product life
- Low maintenance requirements offer many years of top performance without additional expenses

| | |
|------------------------------------|---|
| MAX PRESSURE | 2,900 PSI (200 BAR) |
| NOMINAL BORE | 5 in. Model: 2 Sizes 6 in. Model: 7 Sizes 7 in. Model: 14 Sizes 8 in. Model: 14 Sizes 9 in. Model: 1 Size |
| STROKE | 84-285 in. (2,182-5,613 mm) |
| MAX LIFTING CAPACITY RANGE* | 22.6-87.0 ton (201-773 kN) |



DC POWER PACKS

Designed for reliable, quality performance, Muncie Power Products' DC power packs feature motors available in 12 VDC and 24 VDC. Used for numerous applications including dump bodies, snow plows, single-acting cylinders and liftgates, Muncie Power's DC power packs are available with custom or standard circuits.



HYPRESS R17



- Specification: SAE 100R17
- Special Features/Approvals: ABS Approval; MSHA Approval Outer Cover
- Fittings: One-piece G Series

| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 3,045 PSI (210 BAR) in all sizes (Isobaric hose line) |
| REINFORCEMENT TYPE | 1 High-tensile Steel Wire Braid in sizes -04 through -08 (¼"-½") 2 High-tensile Steel Wire Braids in sizes -10 through -16 (⅝"-1") |
| OPERATING TEMPS | -40°F to +248°F (-40°C to +120°C) Continuous |
| AVAILABLE SIZES | -04 through -16 (¼"-1") |

HY-VACUUM R4



- Specification: SAE 100R4
- Special Features/Approvals: for use in inlet and suction applications where vacuum is present

| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 58-305 PSI (4-21 BAR) |
| REINFORCEMENT TYPE | 2 Textile Braids + 1 Steel Helical Wire |
| OPERATING TEMPS | -40°F to +212°F (-40°C to +100°C) Continuous; |
| AVAILABLE SIZES | -12 through -48 (¾"-3") |

HYDRAULIC OIL FILTERS

Reduce contamination related failures and equipment downtime with Muncie Power Products' hydraulic filters, available in both nominal and absolute filtration.





DUMP BODY

TITAN® MC1 SERIES

- A medium-duty, clutch shift power take-off replacing the CS24/25 and HS24 Series
- The Titan MC1 power take-off has raised the bar on the life expectancy and durability of truck-mounted PTOs

| | |
|--|----------------------|
| MAX TORQUE INTER/CONTINUOUS: | 415 lbs.ft. (563 Nm) |
| MAX HP (@ 1,000 RPM) INTER/CONTINUOUS: | 79 HP (59 kW) |
| APPROX. WEIGHT | 47.2 lbs. (21.4 Kg.) |



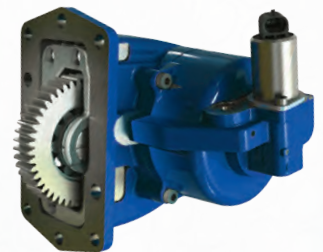
TRANSMISSION:

ALLISON

F20 SERIES

- 10-bolt clutch shift PTO
- Designed for the Ford Super Duty trucks F-250–F-600, with the Ford 10R140 transmission
- Features patent-pending noise abatement technology
- Solenoid activated

| | |
|--|----------------------|
| MAX TORQUE INTERMITTENT: | 261 lbs.ft. (353 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 50 HP (37 kW) |
| APPROX. WEIGHT | 29 lbs. (13.2 Kg.) |



TRANSMISSIONS:

FORD 10R140

FR6Q SERIES

- Fits Ford Super Duty trucks with Ford 6R140 transmission, primarily F-350-550 (may also be used on F-650/F-750)
- Noise abatement mechanism eliminates virtually all gear rattle noise

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|--|----------------------|
| MAX TORQUE INTERMITTENT: | 200 lbs.ft. (271 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 39 HP (29 kW) |
| APPROX. WEIGHT | 35 lbs. (15.9 Kg.) |



TRANSMISSION:

FORD 6R140



TG SERIES

- Versatile PTO with 10 speed ratios for all popular transmissions
- Lightweight, reduced noise and superior heat dissipation

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|--|----------------------|
| MAX TORQUE INTERMITTENT: | 285 lbs.ft. (386 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 54 HP (40 kW) |
| APPROX. WEIGHT | 22 lbs. (10.0 Kg.) |

TRANSMISSIONS: AISIN, ALLISON, EATON FULLER, MACK



CS6/8 SERIES

- Designed for Allison 1000 and 2000 Series automatic transmissions as well as many current manual transmissions offering direct-mount pump options
- Patented, Muncie Power drag break prevents shaft rotation in "off" mode
- Direct-mount flanges with ability to rotate allow the pump to be positioned for maximum clearance

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| MAX TORQUE INTERMITTENT: | 300 lbs.ft. (407 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 57 HP (43 kW) |
| APPROX. WEIGHT | 47-49 lbs. (21.3-22.2 Kg.) |

TRANSMISSIONS: AISIN, ALLISON, EATON FULLER, MACK



8405/6A SERIES

- 8-bolt mount for Eaton and Mack transmissions
- Robust design provides a rigid structure for high vibration environments

| | |
|--|----------------------|
| MAX TORQUE INTERMITTENT: | 225 lbs.ft. (312 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 44 HP (33 kW) |
| APPROX. WEIGHT | 37 lbs. (16.8 Kg.) |

TRANSMISSIONS: EATON FULLER, MACK



RS6S-P89M SERIES DETROIT

- Designed to fit the Detroit DT-12 transmissions in Freightliner, Paccar or Western Star Class 8 Cascadia trucks

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|--|----------------------|
| MAX TORQUE INTERMITTENT: | 317 lbs.ft. (430 Nm) |
| MAX HP (@ 1,000 RPM) INTERMITTENT: | 60 HP (45 kW) |
| APPROX. WEIGHT | 23 lbs. (10.4 Kg.) |

TRANSMISSION: DETROIT DIESEL DT-12

F SERIES

- 12 pump sizes available to fit a wide variety of applications
- Pressure-balanced bushing blocks and sleeve bearings provide long life and high performance

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|---------------------------------|---------------------------------|
| MAX OP. PRESSURE | 3,625-2,250 PSI (250-155 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 1.07-8.70 GPM (4.0-33.0 LPM) |
| DISPLACEMENT | 0.24-2.01 cu.in. (3.9-32.9 cc.) |
| APPROX. WEIGHT | 7.51-10.01 lbs. (3.4-4.5 Kg.) |



E SERIES DUMP

- Standard equipment for tandem, tri-axle dumps and dump trailers with high- volume cylinders
- EH model available for larger ports
- 2- or 3-line system options available

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|--|--|
| MAX OP. PRESSURE E and EH Series: | 2,500 PSI (173 BAR) |
| FLOW RATE (@ 1,000 RPM)* E Series: EH Series: | 22-5-27.6 GPM (85.2-104.5 LPM) 21.4-28.6 GPM (81.0-108.3 LPM) |
| DISPLACEMENT E Series: EH Series: | 5.20-6.37 cu.in. (85.2-104.4 cc.) 4.95-6.60 cu.in. (81.1-106.0 cc.) |
| APPROX. WEIGHT E Series: EH Series: | 67-69 lbs. (30.4-31.3 Kg.) 68-70 lbs. (30.8-31.7 Kg.) |



S SERIES HOIST

- Designed specifically for use on small single- or tandem-axle dump trucks
- 2- or 3-line system options available

| | |
|---------------------------------|---------------------------------|
| MAX OP. PRESSURE | 3,000-2,500 PSI (207-172 BAR)** |
| FLOW RATE (@ 1,000 RPM)* | 6.4-17.16 GPM (24.2-65.0 LPM) |
| DISPLACEMENT | 1.47-3.94 cu.in. (24-65 cc.) |
| APPROX. WEIGHT | 32-38 lbs. (14.8-17.2 Kg.) |



* Flow rates are theoretical. **Requires high pressure relief PSI – 12231VH for settings above 2,500 PSI.

P SERIES



- Offers high-speed capabilities up to 2,400 RPM
- Bi-rotational operation with 4 standard sizes

| | |
|---------------------------------|-------------------------------|
| MAX OP. PRESSURE | 5,075 PSI (350 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 3.17-8.70 GPM (12.0-32.9 LPM) |
| DISPLACEMENT | 0.73-2.01 cu.in. (12-33 cc.) |
| APPROX. WEIGHT | 23.2 lbs. (10.5 Kg.) |

Q SERIES



- Offers high-operating pressures and speeds up to 1,800 RPM
- Bi-rotational operation with 5 standard sizes

| | |
|---------------------------------|-------------------------------|
| MAX OP. PRESSURE | Up to 5,075 PSI (350 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 5.01-15.8 GPM (19.0-59.8 LPM) |
| DISPLACEMENT | 1.16-3.66 cu.in. (19-60 cc.) |
| APPROX. WEIGHT | 23.2 lbs. (10.5 Kg.) |

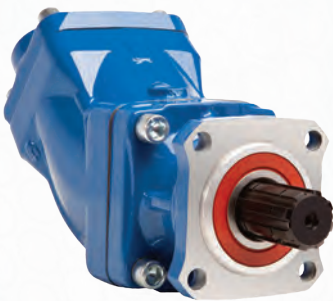
R SERIES



- Provides high-flow capabilities with speeds up to 1,600 RPM
- Bi-rotational operation with 4 standard sizes for the R Series and 2 standard sizes for the tandem

| | |
|---------------------------------|---|
| MAX OP. PRESSURE | R Series: 4,350 PSI (300 BAR) R Series Tandem: 4,350 PSI (300 BAR) |
| FLOW RATE (@ 1,000 RPM)* | R Series: 18.5-26.4 GPM (70.0-99.9 LPM) R Series Tandem: 10.8-13.4 GPM (40.9-50.7 LPM)** |
| DISPLACEMENT | R Series: 4.27-6.10 cu.in. (70-100 cc.) R Series Tandem: 2.50-3.11 cu.in. (41-51 cc.) |
| APPROX. WEIGHT | R Series: 38.6 lbs. (75 Kg.) R Series Tandem: 39.0 lbs. (17.7 Kg.) |

T SERIES



- A bent-axis piston pump with speed capabilities of up to 2,100 RPM
- Double shaft seals with 4 standard sizes

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|---------------------------------|--------------------------------|
| MAX OP. PRESSURE | 6,525-5,075 PSI (450-350 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 12.4-28.5 GPM (46.9-107.9 LPM) |
| DISPLACEMENT | 2.87-6.59 cu.in. (47-108 cc.) |
| APPROX. WEIGHT | 23.1-29.8 lbs. (10.5-13.5 Kg.) |

* Flow rates are theoretical. ** Flow rate per outlet.

ASC2 SERIES

- LED PTO indicator light for easy dash mounting
- Push-to-connect air fittings allow easy installation for the air controller (standard in valve and air installation kit)
- Consoles have a black powder coat finish
- Some models of consoles provide a large mounting surface for extra switches, lights, valves and more
- Symmetrical design of consoles on most models provides for installation on either side of the driver's seat with options for angle mount on the floor or dash

AIR VALVES

Automatic
Manual Kick Out,
Lower Position

PTO PUMP CONTROL

Available (6 styles):

Auto KO, Center Detent
Man KO, Center Detent
Auto KO, Center & Lower Detent
Man KO, Center & Lower Detent
Auto KO, 3 Pos. Detent
Man KO, 3 Pos. Detent

CONSOLES

Width x Length x Height
Available (6 styles):

3 in. x 3 in. x 4 in. Square
3 in. x 3 in. x 8 in. Square
3 in. x 3 in. x 13 in. Square
3 in. x 10 in. x 4 in. Rectangular
3 in. x 10 in. x 8 in. Rectangular
3 in. x 10 in. x 13 in. Rectangular
5 in. x 5 in. x 12 in. Sq.,
Cent. Faceplate
5 in. x 5 in. x 12 in. Sq.,
Offset Faceplate
Angle Mount
No Console (Dash Mount)



V130 SERIES

- Internal, oil-core design allows for higher flow rates and low pressure drops in a compact package
- Tight tolerances and precision machining keep internal, spool leakages low

FLOW RATE

Nominal: 34 GPM (130 LPM)
Maximum: 55 GPM (208 LPM)

MAX PRESSURE

1-3 Sections: 5,440 PSI (375 BAR)
4-6 Sections: 5,075 PSI (350 BAR)
7-10 Sections: 4,710 PSI (325 BAR)

MAX BACK PRESSURE

365 PSI (25 BAR)





METAL UPRIGHT

- Designed for hard working, continuous-duty applications
- Available in aluminum for lighter weight or steel for higher heat applications
- Easy installation and accessibility

VOLUMES

Aluminum (3 sizes): 50-100 gal. (189.3-1,432.9 L)
 Steel (4 sizes): 50-100 gal. (189.3-1,432.9 L)

DIMENSIONS

Aluminum: Varies
 Steel: Varies

APPROX. WEIGHT

Aluminum: 77-130 lbs. (34.9-59.0 Kg.)
 Steel: 150-248 lbs. (68.0-128.8 Kg.)



METAL ROUND

- Designed for hard working, continuous-duty applications
- Available in aluminum for lighter weight or steel for higher heat applications
- Offered in a wide variety of sizes

VOLUMES

Aluminum (5 sizes): 25-100 gal. (94.6-1,432.9 L)
 Steel (5 sizes): 25-100 gal. (94.6-1,432.9 L)

DIMENSIONS

Aluminum: 24 in. dia. x 15 in.-51 in. Long
 Steel: 24 in. dia. x 15 in.-51 in. Long

APPROX. WEIGHT

Aluminum: 73-180 lbs. (33.1-81.7 Kg.)
 Steel: 101-226 lbs. (45.8-102.5 Kg.)



POLYETHYLENE BOX

- Requires only 2, metal straps and saddles for easy installation on the chassis frame rail
- Preferred in intermittent-duty applications where heat buildup is not an issue, but accessibility is required

VOLUMES

Available (3 sizes): 35-50 gal. (135.6-189.3 L)

DIMENSIONS

Varies

APPROX. WEIGHT

27-55 lbs. (12.3-35.0 Kg.)

POLYETHYLENE UPRIGHT

- Upright design reduces weight, eliminates risk of contamination from corrosion, improves longevity and makes for quickest and easiest installation
- Lightweight for short-duty applications where heat buildup is not an issue

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|--|----------------------------|
| VOLUMES Available (2 sizes): | 50-75 gal. (189.3-283.9 L) |
| DIMENSIONS | Varies |
| APPROX. WEIGHT | 67 lbs. (30.4 Kg.) |



PIN-PIN

- One of the lightest cylinders on the market, which translates to greater payloads, less oil consumption and faster dumping
- A self-bleeding design for easier installation
- Single head nut with no further adjustments needed
- Chrome-plated final stage to extend product life
- Low maintenance requirements offer many years of top performance without additional expenses

| | |
|------------------------------------|---|
| MAX PRESSURE | 2,900 PSI (200 BAR) |
| NOMINAL BORE | 5 in. Model: 2 Sizes 6 in. Model: 7 Sizes 7 in. Model: 14 Sizes 8 in. Model: 14 Sizes 9 in. Model: 1 Size |
| STROKE | 84-285 in. (2,182-5,613 mm) |
| MAX LIFTING CAPACITY RANGE* | 22.6-87.0 ton (201-773 kN) |



TRUNNION

- Mounting style allows for increased capacity in the dump body through a significant reduction or elimination of the dog house
- Available in both 3- and 4-stage versions
- Strict-machining tolerances, solid stop contact faces and larger overlap between stages make Muncie Power's trunnion mount cylinders some of the strongest and most stable cylinders on the market

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| MAX PRESSURE* | 2,900 or 3,200 PSI (200 or 220 BAR) |
| NOMINAL BORE | 3.5 in. Model: 2 Sizes 4.5 in. Model: 3 Sizes 5.5 in. Model: 3 Sizes 6.5 in. Model: 4 Sizes 7.5 in. Model: 2 Sizes |
| STROKE | 82-194 in. (2,082-4,928 mm) |
| MAX LIFTING CAPACITY** | 10.9-50.0 ton (97-445 kN) |



HYPRESS R17



- Specification: SAE 100R17
- Special Features/Approvals: ABS Approval; MSHA Approval Outer Cover
- Fittings: One-piece G Series

| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 3,045 PSI (210 BAR) in all sizes (Isobaric hose line) |
| REINFORCEMENT TYPE | 1 High-tensile Steel Wire Braid in sizes -04 through -08 (¼"-½") 2 High-tensile Steel Wire Braids in sizes -10 through -16 (⅝"-1") |
| OPERATING TEMPS | -40°F to +248°F (-40°C to +120°C) Continuous |
| AVAILABLE SIZES | -04 through -16 (¼"-1") |

HY-VACUUM R4



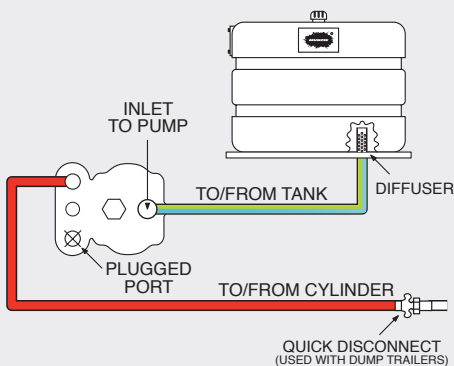
- Specification: SAE 100R4
- Special Features/Approvals: for use in inlet and suction applications where vacuum is present

| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 58-305 PSI (4-21 BAR) |
| REINFORCEMENT TYPE | 2 Textile Braids + 1 Steel Helical Wire |
| OPERATING TEMPS | -40°F to +212°F (-40°C to +100°C) Continuous; |
| AVAILABLE SIZES | -12 through -48 (¾"-3") |

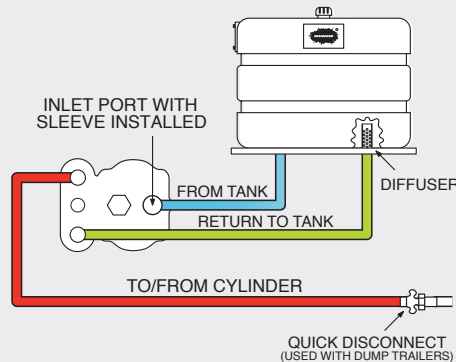
3-LINE SYSTEMS

Many dump bodies function quite adequately with a 2-line system if not left operating too long in neutral. When left operating too long in neutral however, the most common dump pump failure occurs from high temperatures as a result. A 3-line system helps prevent this failure with a separate line to return hydraulic oil from the cylinder directly to the reservoir instead of forcing its way back through the inlet line.

2-LINE INSTALLATION

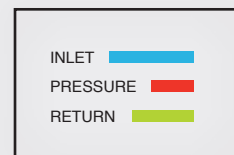


3-LINE INSTALLATION



WHY CHOOSE A 3-LINE INSTALLATION?

- Allows faster down cycles
- Provides an easier method of filtering the hydraulic oil
- Ultimately runs cooler



IF OIL SPRAY FORMS AROUND THE BREATHER CAP ON A 3-LINE SYSTEM, THE TANK LINES MAY BE REVERSED.



DUMP TRAILER

TG SERIES

- Versatile PTO with 10 speed ratios for all popular transmissions
- Lightweight, reduced noise and superior heat dissipation

MAX TORQUE
INTERMITTENT: 285 lbs.ft. (386 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 54 HP (40 kW)

APPROX. WEIGHT 22 lbs. (10.0 Kg.)



TRANSMISSIONS: AISIN, ALLISON, EATON FULLER, MACK

CS6/8 SERIES

- Designed for Allison 1000 and 2000 Series automatic transmissions as well as many current manual transmissions offering direct-mount pump options
- Patented, Muncie Power drag break prevents shaft rotation in "off" mode
- Direct-mount flanges with ability to rotate allow the pump to be positioned for maximum clearance

MAX TORQUE
INTERMITTENT: 300 lbs.ft. (407 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 57 HP (43 kW)

APPROX. WEIGHT 47-49 lbs. (21.3-22.2 Kg.)



TRANSMISSIONS: AISIN, ALLISON, EATON FULLER, MACK

82 SERIES



- 8-bolt mount for Eaton and Mack transmissions
- Cast iron housing, lever or air shift and, optional single- or dual-pump mounts
- Designed for use with high-torque mechanical equipment

MAX TORQUE
INTERMITTENT: 500 lbs.ft. (678 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 95 HP (71 kW)

APPROX. WEIGHT 85 lbs. (38.6 Kg.)

TRANSMISSIONS: ALLISON, EATON FULLER, MACK

8405/6A SERIES



- 8-bolt mount for Eaton and Mack transmissions
- Robust design provides a rigid structure for high vibration environments

MAX TORQUE
INTERMITTENT: 225 lbs.ft. (312 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 44 HP (33 kW)

APPROX. WEIGHT 37 lbs. (16.8 Kg.)

TRANSMISSIONS: EATON FULLER, MACK

RS6S-P89M SERIES DETROIT



- Designed to fit the Detroit DT12 transmissions in Freightliner, Paccar or Western Star Class 8 Cascadia trucks

MAX TORQUE
INTERMITTENT: 317 lbs.ft. (430 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 60 HP (45 kW)

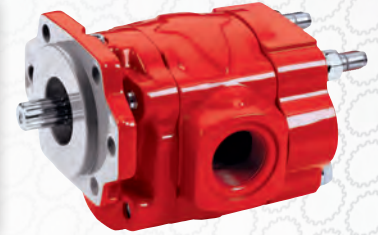
APPROX. WEIGHT 23 lbs. (10.4 Kg.)

TRANSMISSION: DETROIT DIESEL DT-12

L SERIES

- All cast iron construction with 4 ports and roller bearing design
- Bi-rotational feature helps reduce inventory requirements

| | |
|---------------------------------|-----------------------------------|
| MAX OP. PRESSURE | 3,000-2,500 PSI (207-172 BAR) |
| FLOW RATE (@ 1,000 RPM)* | 13.8-30.3 GPM (53-114 LPM) |
| DISPLACEMENT | 3.18-7.01 cu.in. (52.1-114.9 cc.) |
| APPROX. WEIGHT | 30.9-51.0 lbs. (18.1-23.2 Kg.) |



E SERIES DUMP

- Standard equipment for tandem, tri-axle dumps and dump trailers with high- volume cylinders
- EH model available for larger ports
- 2- or 3-line system options available

| | |
|--|--|
| MAX OP. PRESSURE E and EH Series: | 2,500 PSI (173 BAR) |
| FLOW RATE (@ 1,000 RPM)* E Series: EH Series: | 22-5-27.6 GPM (85.2-104.5 LPM) 21.4-28.6 GPM (81.0-108.3 LPM) |
| DISPLACEMENT E Series: EH Series: | 5.20-6.37 cu.in. (85.2-104.4 cc.) 4.95-6.60 cu.in. (81.1-106.0 cc.) |
| APPROX. WEIGHT E Series: EH Series: | 67-69 lbs. (30.4-31.3 Kg.) 68-70 lbs. (30.8-31.7 Kg.) |



* Flow rates are theoretical. ** Requires high pressure relief PSI - 1231VH for settings above 2,500 PSI.

ASC2 SERIES

- LED PTO indicator light for easy dash mounting
- Push-to-connect air fittings allow easy installation for the air controller (standard in valve and air installation kit)
- Consoles have a black powder coat finish
- Some models of consoles provide a large mounting surface for extra switches, lights, valves and more
- Symmetrical design of consoles on most models provides for installation on either side of the driver's seat with options for angle mount on the floor or dash

| | |
|---|---|
| AIR VALVES | Automatic Manual Kick Out, Lower Position |
| PTO PUMP CONTROL Available (6 styles): | Auto KO, Center Detent Man KO, Center Detent Auto KO, Center & Lower Detent Man KO, Center & Lower Detent Auto KO, 3 Pos. Detent Man KO, 3 Pos. Detent |
| CONSOLES Width x Length x Height Available (6 styles): | 3 in. x 3 in. x 4 in. Square 3 in. x 3 in. x 8 in. Square 3 in. x 3 in. x 13 in. Square 3 in. x 10 in. x 4 in. Rectangular 3 in. x 10 in. x 8 in. Rectangular 3 in. x 10 in. x 13 in. Rectangular 5 in. x 5 in. x 12 in. Sq., Cent. Faceplate 5 in. x 5 in. x 12 in. Sq., Offset Faceplate Angle Mount No Console (Dash Mount) |





V130 SERIES

- Internal, oil-core design allows for higher flow rates and low pressure drops in a compact package
- Tight tolerances and precision machining keep internal, spool leakages low

FLOW RATE

| | |
|----------|------------------|
| Nominal: | 34 GPM (130 LPM) |
| Maximum: | 55 GPM (208 LPM) |

MAX PRESSURE

| | |
|----------------|---------------------|
| 1-3 Sections: | 5,440 PSI (375 BAR) |
| 4-6 Sections: | 5,075 PSI (350 BAR) |
| 7-10 Sections: | 4,710 PSI (325 BAR) |

MAX BACK PRESSURE

365 PSI (25 BAR)



METAL UPRIGHT

- Designed for hard working, continuous-duty applications
- Available in aluminum for lighter weight or steel for higher heat applications
- Easy installation and accessibility

VOLUMES

| | |
|---------------------|-------------------------------|
| Aluminum (3 sizes): | 50-100 gal. (189.3-1,432.9 L) |
| Steel (4 sizes): | 50-100 gal. (189.3-1,432.9 L) |

DIMENSIONS

| | |
|-----------|--------|
| Aluminum: | Varies |
| Steel: | Varies |

APPROX. WEIGHT

| | |
|-----------|-------------------------------|
| Aluminum: | 77-130 lbs. (34.9-59.0 Kg.) |
| Steel: | 150-248 lbs. (68.0-128.8 Kg.) |



METAL ROUND

- Designed for hard working, continuous-duty applications
- Available in aluminum for lighter weight or steel for higher heat applications
- Offered in a wide variety of sizes

VOLUMES

| | |
|---------------------|------------------------------|
| Aluminum (5 sizes): | 25-100 gal. (94.6-1,432.9 L) |
| Steel (5 sizes): | 25-100 gal. (94.6-1,432.9 L) |

DIMENSIONS

| | |
|-----------|----------------------------------|
| Aluminum: | 24 in. dia. x 15 in.-51 in. Long |
| Steel: | 24 in. dia. x 15 in.-51 in. Long |

APPROX. WEIGHT

| | |
|-----------|-------------------------------|
| Aluminum: | 73-180 lbs. (33.1-81.7 Kg.) |
| Steel: | 101-226 lbs. (45.8-102.5 Kg.) |

POLYETHYLENE BOX

- Requires only 2, metal straps and saddles for easy installation on the chassis frame rail
- Preferred in intermittent-duty applications where heat buildup is not an issue, but accessibility is required

| | |
|--|----------------------------|
| VOLUMES Available (3 sizes): | 35-50 gal. (135.6-189.3 L) |
| DIMENSIONS | Varies |
| APPROX. WEIGHT | 27-55 lbs. (12.3-35.0 Kg.) |



POLYETHYLENE UPRIGHT

- Upright design reduces weight, eliminates risk of contamination from corrosion, improves longevity and makes for quickest and easiest installation
- Lightweight for short-duty applications where heat buildup is not an issue

| | |
|--|----------------------------|
| VOLUMES Available (2 sizes): | 50-75 gal. (189.3-283.9 L) |
| DIMENSIONS | Varies |
| APPROX. WEIGHT | 67 lbs. (30.4 Kg.) |



PIN-PIN

- One of the lightest cylinders on the market, which translates to greater payloads, less oil consumption and faster dumping
- A self-bleeding design for easier installation
- Single head nut with no further adjustments needed
- Chrome-plated final stage to extend product life
- Low maintenance requirements offer many years of top performance without additional expenses

| | |
|------------------------------------|---|
| MAX PRESSURE | 2,900 PSI (200 BAR) |
| NOMINAL BORE | 5 in. Model: 2 Sizes 6 in. Model: 7 Sizes 7 in. Model: 14 Sizes 8 in. Model: 14 Sizes 9 in. Model: 1 Size |
| STROKE | 84-285 in. (2,182-5,613 mm) |
| MAX LIFTING CAPACITY RANGE* | 22.6-87.0 ton (201-773 kN) |



HYPRESS R17

- Specification: SAE 100R17
- Special Features/Approvals: ABS Approval; MSHA Approval Outer Cover
- Fittings: One-piece G Series



| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 3,045 PSI (210 BAR) in all sizes (Isobaric hose line) |
| REINFORCEMENT TYPE | 1 High-tensile Steel Wire Braid in sizes -04 through -08 (¼"-½") 2 High-tensile Steel Wire Braids in sizes -10 through -16 (⅝"-1") |
| OPERATING TEMPS | -40°F to +248°F (-40°C to +120°C) Continuous |
| AVAILABLE SIZES | -04 through -16 (¼"-1") |

HY-VACUUM R4

- Specification: SAE 100R4
- Special Features/Approvals: for use in inlet and suction applications where vacuum is present



| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 58-305 PSI (4-21 BAR) |
| REINFORCEMENT TYPE | 2 Textile Braids + 1 Steel Helical Wire |
| OPERATING TEMPS | -40°F to +212°F (-40°C to +100°C) Continuous; |
| AVAILABLE SIZES | -12 through -48 (¾"-3") |

WALKING FLOOR

TG SERIES

- Versatile PTO with 10 speed ratios for all popular transmissions
- Lightweight, reduced noise and superior heat dissipation

MAX TORQUE
INTERMITTENT: 285 lbs.ft. (386 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 54 HP (40 kW)

APPROX. WEIGHT 22 lbs. (10.0 Kg.)

TRANSMISSIONS:

AISIN, ALLISON, EATON FULLER, MACK



CS6/8 SERIES

- Designed for Allison 1000 and 2000 Series automatic transmissions as well as many current manual transmissions offering direct-mount pump options
- Patented, Muncie Power drag break prevents shaft rotation in "off" mode
- Direct-mount flanges with ability to rotate allow the pump to be positioned for maximum clearance

MAX TORQUE
INTERMITTENT: 300 lbs.ft. (407 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 57 HP (43 kW)

APPROX. WEIGHT 47-49 lbs. (21.3-22.2 Kg.)

TRANSMISSIONS:

AISIN, ALLISON, EATON FULLER, MACK



82 SERIES

- 8-bolt mount for Eaton and Mack transmissions
- Cast iron housing, lever or air shift and, optional single- or dual-pump mounts
- Designed for use with high-torque mechanical equipment

MAX TORQUE
INTERMITTENT: 500 lbs.ft. (678 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 95 HP (71 kW)

APPROX. WEIGHT 85 lbs. (38.6 Kg.)

TRANSMISSIONS:

ALLISON, EATON FULLER, MACK



8405/6A SERIES



- 8-bolt mount for Eaton and Mack transmissions
- Robust design provides a rigid structure for high vibration environments

MAX TORQUE
INTERMITTENT: 225 lbs.ft. (312 Nm)

MAX HP (@ 1,000 RPM)
INTERMITTENT: 44 HP (33 kW)

APPROX. WEIGHT 37 lbs. (16.8 Kg.)

TRANSMISSIONS: EATON FULLER, MACK

COMBO KIT II SERIES



- Heavy-duty gear pump rated for long or continuous-duty cycles
- High-capacity directional valve provides faster cycle times for dump applications
- Dual-position pressure relief valve system provides protection for both applications
- Reservoir-mounted directional valve simplifies installation

HYDRAULIC OIL FILTERS

Reduce contamination related failures and equipment downtime with Muncie Power Products' hydraulic filters, available in both nominal and absolute filtration.



HYPRESS R17

- Specification: SAE 100R17
- Special Features/Approvals: ABS Approval; MSHA Approval Outer Cover
- Fittings: One-piece G Series

| | |
|-----------------------------|---|
| MAX WORKING PRESSURE | 3,045 PSI (210 BAR) in all sizes (Isobaric hose line) |
| REINFORCEMENT TYPE | 1 High-tensile Steel Wire Braid in sizes -04 through -08 (¼"-½") 2 High-tensile Steel Wire Braids in sizes -10 through -16 (¾"-1") |
| OPERATING TEMPS | -40°F to +248°F (-40°C to +120°C) Continuous |
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- Specification: SAE 100R4
- Special Features/Approvals: for use in inlet and suction applications where vacuum is present

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| MAX WORKING PRESSURE | 58-305 PSI (4-21 BAR) |
| REINFORCEMENT TYPE | 2 Textile Braids + 1 Steel Helical Wire |
| OPERATING TEMPS | -40°F to +212°F (-40°C to +100°C) Continuous |
| AVAILABLE SIZES | -12 through -48 (¾"-3") |





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Understanding Reference Manuals: Available reference manuals from Muncie Power Products include the *Understanding Truck Mounted Hydraulic Systems* and *Understanding Power Take-off Systems*. In *Understanding Truck Mounted Hydraulic Systems* you'll learn what components make up a truck mounted hydraulic system, how a truck mounted or mobile hydraulic system works and why truck mounted hydraulic systems sometimes fail to perform as expected. Its companion manual – *Understanding Power Take-off Systems* – focuses specifically on PTOs, defining a power take-off, its different aspects and types and how to install and select the appropriate PTO.



QR Catalog: The *Muncie Power Products PTO Quick Reference Catalog* makes spec'ing out a power take-off for your transmission quick and simple. Serving as a resource tool for the most appropriate PTO specs, the catalog is available upon request through Muncie Power's customer service team or online via its M-Power Specification Software. **Check online for the most up-to-date information, as the catalog is continually updated.**



Literature: Muncie Power Products offers a variety of literature available for free via online download or by request through its customer service team. Depending on the product, available literature can include a marketing brochure, spec brochure, data sheet, installation instructions and service parts manual.



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