

# Truck Mount Central Hydraulic Systems

MEDIUM TO HEAVY DUTY APPLICATIONS



# The Power to Do More

## IN MEDIUM TO HEAVY DUTY TRUCKS

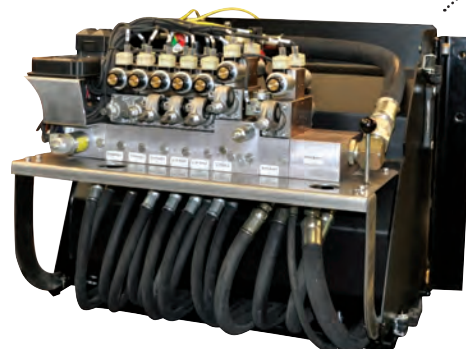
### Pre-Wet Systems

- **Tailgate units up to 150 gallons**  
Higher capacity means more time on the road.
- **High density polyethylene with UV protection**  
Strength and durability needed for long life against harsh salt exposure.
- **System flexibility**  
Electronic manual, electric closed loop, hydraulic closed loop and hydraulic series loop options..



### Auger/Spinner Motors

- **Industry proven spool valve design**  
Smooth and efficient performance over the complete speed range of the motor.
- **Hydrodynamic bearing**  
High overhung load capacity with infinite bearing life when ratings are not exceeded.
- **Optional Electronic sensors**  
Reliable feedback for closed loop spreader applications.



### VT35 Valve/tank Assembly

- **Total component protection**  
Valve, filter, filler/breather, sensors and fittings all under one easy to remove cover.
- **Tri-point tank mounting**  
Prevent tank cracks and weld failure caused by truck frame chassis flex.
- **Gasketless passive seal technology**  
Prevents harmful salt spray while preventing damaging moisture.

As the leader in truck mount central hydraulic systems, FORCE America is again Setting the NEW Standard. Medium to heavy duty systems begin with a highly efficient load sense piston pump. The flow-on-demand system eliminates excess horsepower draw. The VT35 valve/tank assembly has no equal for ease of installation and maintenance, with superior protection of all valve and tanks components. CommandAll® Controllers with microprocessor based spreader control technology record and retrieve data with real-time or passive data transfer systems. Wrapping up the complete solution, FORCE America offers a complete line of anti-icing systems. Look to the leader, FORCE America for your next medium to heavy duty central hydraulic system requirement.

## CommandAll® Controllers

### - Five spreader control modules available

Spreader granular and liquid material, manually or ground speed based with north open and closed loop controllers.

### - Proportional hoist with center inlock

Feather the hoist to desired speed while avoiding accidental activation.

### - Up to four dual axis valve controls

Putting the operator in control of all snow and ice control functions.

### - Remote mount displays

Heads-up display for safe visual indication with optional audible alarms

## High-Pressure Filters

### - Multi-layered microglass media

Exceptional filtration performance

### - Severe duty applications

High dirt holding capacity with high intrinsic stability for cyclical loads.

### - Pressures to 6000 PSI

Handles high pressure and pressure spikes with unmatched safety factor.

## Variable Piston Pumps

### - Direct mount capable

Mounts directly to most auxiliary transmissions including Allison MD3060.

### - Flows to 55 GPM

Simultaneous function operation achieved with properly sized pump.

### - High response compensator

Immediate pump response with input signal for precise movement and control.

## Return Filters

### - Multi-layered microglass media

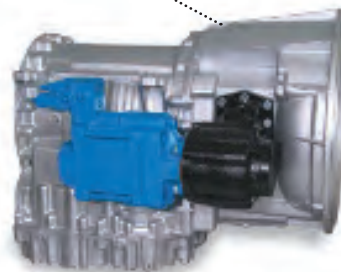
Exceptional filtration performance

### - 5-micron microglass filtration

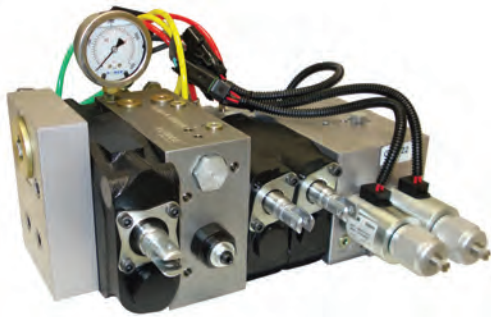
Exceeds manufacturers recommended filtration requirements for extended fluid service intervals.

### - Element pressure rating to 232 PSI

Handle high peak flows, like telescopic hoist without media failure.



cables  
move  
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venting



### Add-A-Stack® 4020 Manual, Pneumatic, or Hydraulic Actuated Valve

- **Stackable high and low flow sections**  
Up to 13 sections accommodating 40 gpm telescopic hoists to 3 gpm spreader functions
- **Five different valve operators available**  
Valve can be controlled by cable, electric on/off, electro-proportional and pneumatic or hydraulic pilot operated remote
- **Stackable Spin-A-Veyer® Valve Section**  
Provides unequalled meter-ability for spreader functions
- **Gear pump or load sensing versions available**  
Adaptable to open center or closed center systems



### Add-A-Fold® Electric Actuated Valve

- **Manifold mounted valve sections**  
Unsurpassed serviceability with bolt-on style valve sections
- **Modular sub-base design**  
Provides unlimited configuration of valve sizes, including optional pressure compensation and work port reliefs
- **Optional ancillary manifolds**  
Spin-A-Veyer valve, cylinder port reliefs, and zero leak 3 and 4-way elements
- **Gear pump or load sensing versions available**  
Adaptable to open center or closed center systems

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#### Sales and Service Centers

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