

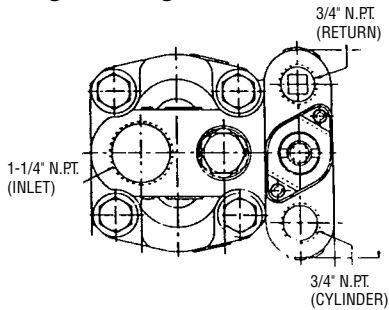


# S SERIES DUMP PUMP INSTALLATION INSTRUCTIONS

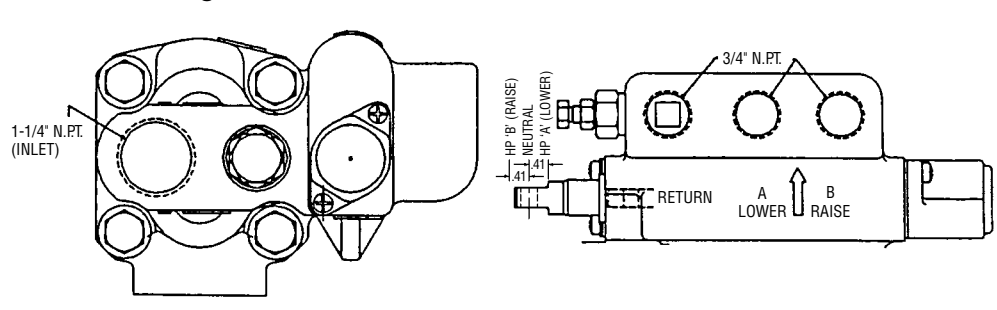
Never work on a raised dump bed without proper body props and supports.  
Product designed for dump body applications only.

## PLUMBING INSTRUCTIONS

### Single Acting



### Double Acting



Do not use Teflon Tape as a thread sealant.

Always use suction hose (SAE-100R4) on pump inlet.

Hook-up to a separate reservoir sleeve No. AA-1257 in inlet port. Always route return line so it is below the oil level at all times.

Cylinders used as reservoirs have the return port plugged and **NO** sleeve.

**SPECIAL NOTE:** For long term product life and improved pump performance always use a system hook-up that includes the use of a separate reservoir and the conversion sleeve. This product is recommended on dump body applications only. Other applications, or operation for extended running times will result in excessive heat build up and subsequent damage.

## PRESSURE RELIEF ADJUSTMENT

Note: Units built Nov. 02 and later have a screw adjustable main relief valve and does not use shims.

| PUMP PRESSURE SPECIFICATIONS |      |      |      |
|------------------------------|------|------|------|
| Model (GPM)                  | 6    | 11   | 15   |
| Max. PSI*                    | 3000 | 3000 | 2500 |

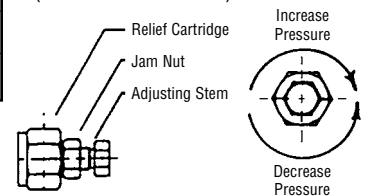
Always use a pressure gauge to set accurately.

\*To achieve 3000 PSI, use high pressure cartridge No. PS-1231VH.

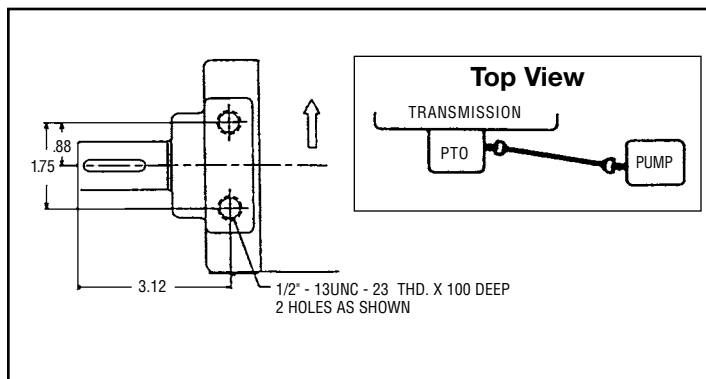
| MAIN R.V. SHIM PRESSURE CHART |             |             |             |
|-------------------------------|-------------|-------------|-------------|
| Thickness                     | .005        | .015        | .062        |
| Pressure                      | 30 PSI      | 150 PSI     | 625 PSI     |
| Part No.                      | PS-1231-13V | PS-1231-14V | PS-1231-15V |

Main relief pre-set at 2000 PSI  $\pm$  5%. Add or remove appropriate shims under R.V. cap for desired setting. Max adjustment pressure is 2650 psi (Screw Adjust)

### Workport Relief Valve Adjustment (Pre-set at 1000 PSI)



## MOUNTING INSTRUCTIONS



### Remote Mount

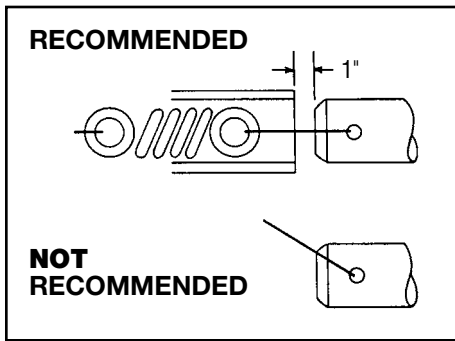
The rotating shaft between PTO and pump should be shielded with appropriate guard.

Driveline angles should not exceed 12°. Maximum speed for solid shafting is 1000 RPM. Consult driveline manufacturer for specifications. Pump and PTO shafts must be parallel within 1.5°.

### Direct Mount

Always apply anti-seize grease to shaft splines before installing into PTO. Reapply annually or sooner for severe use.

## PULL OUT CABLES (NEUTRAL SAFETY STOP)



This clevis hole is part of a neutral stop device and is provided for those applications using a "pull-out" cable. This device allows the cable to move the spool from the raise position to the neutral position, only. As shock loading is possible, it is essential that a spring be incorporated in the pull-out cable hook-up. Failure to do so could result in breakage of the neutral stop device and could lead to injury. We recommend that the cable be fully enclosed and directly in line with the valve spool. Use spring part No. PS-1233V.

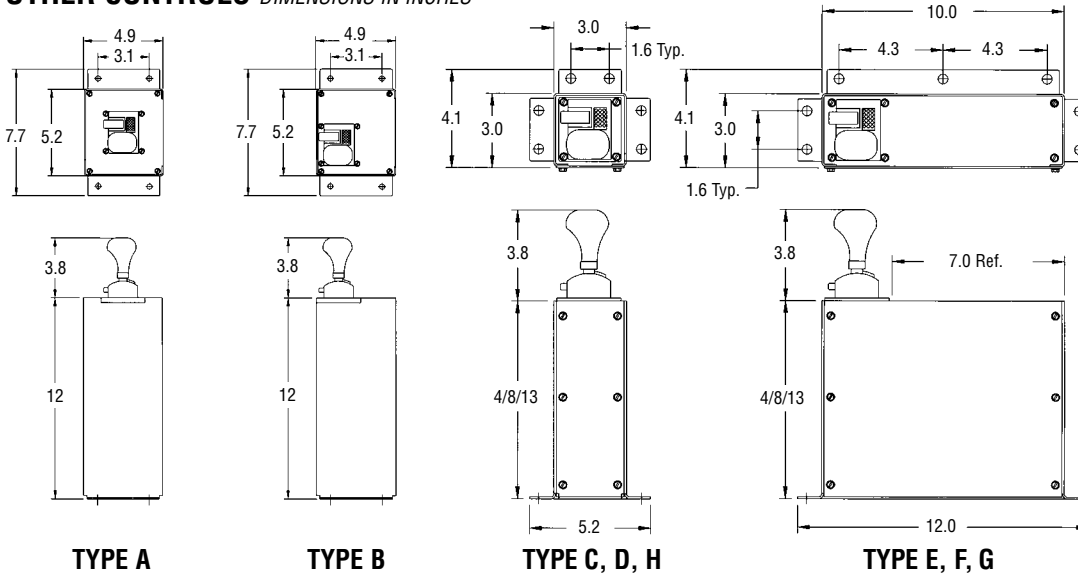
**NOTE:** Never use a pull-out cable on an air shift pump as exact spool position cannot be adequately controlled. Instead use 1436A-1 safety limit dump valve on raise side of air cylinder.

## LEVER CONTROLS

If valve is to be shifted by lever and rod linkage type control, the installer is responsible for fitting the lever with a neutral locking device to prevent the accidental shifting of the valve spool. Muncie offers a complete line of in-cab consoles and controls as listed below.

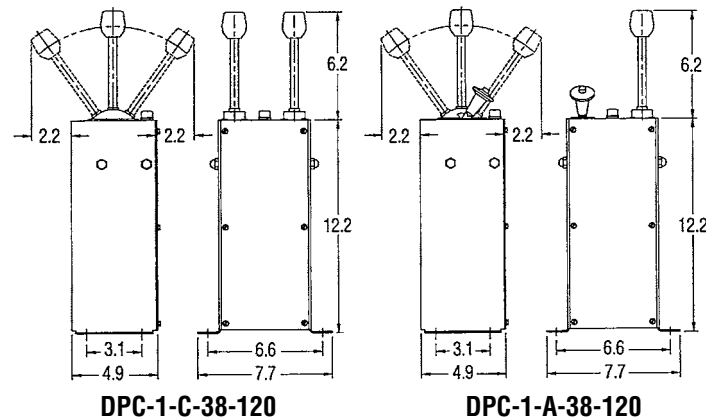
Lever control rods must be attached to the spool on the front side of pump. Lever control rods cannot be attached to the spool on the rear side due to the neutral safety stop components.

## OTHER CONTROLS DIMENSIONS IN INCHES



### ASC1-\*\*

Consoles offer within the industry the largest variety of dump body feathering controls (six models w/wo automatic PTO kick out and various detent positions) with multiple console choices for customizing with user accessories. See Muncie brochure number MP04-01 for complete details.



**DPC-1-C** Cable controlled console offers the feel of a lever while providing the installation convenience and features of heavy duty, vinyl coated cables. Center detent position helps prevent inadvertent engagement. Powder coat finish for easy maintenance and durability. Face plate uses state-of-the-art fiber optic backlighting.

**DPC-1-A** Control console offers the convenience of an air shifted PTO with a cable shifted pump. Similar features as described for the DPC-1-C above.



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