

End-Dump Trailer Wet Kit 2000 psi Relief



Fluidpro[®]
FLUID POWER EQUIPMENT

Division of

KANAMAK HYDRAULICS INC.

END DUMP TRAILER WET KIT
2000 Psi Relief

Steel tank standard
Aluminum tank optional

50 gal tank above frame
tank with mounting kit



Suction hose



PTO with Air Shift



Direct mount pump



PTO & Hoist Dual
Air Control

Pressure hose



Wing Nut Quick Coupler

WET LINE KIT-BASIC END DUMP SPECIFICATIONS:

Pressure: 2000 Psi Max
Flow: 32 gpm @ 1000 engine rpm
Reservoir: 50 gallon useable
Installation brackets
Rubber isolation mounts
Filler/breather with filter
Pump: Heavy gear pump with integral relief
Air cylinder for Hoist Raise or Lower remote control functions
PTO: Air shift, 8 bolt mount for bottom hole on Eaton/Fuller transmission
Direct mount for pump. (No drive-line)
Air Control: PTO control mounts on pedestal in cab
Feathering dump control
Automatic PTO kick-out when hoist is lowered.
Relief Valve: Preset at 2000 psi to protect pump and your warranty
Hoses: 1 1/2" x 9ft suction hose with spiral wire to prevent collapse.
1" x 16ft pressure, rated at 3000 psi
Quick Couplers: 1" female Wing Nut style

OPTIONS:

Filter: 10 Micron, remote mount with 3rd line
Hot-shift PTO's for automatic transmissions or shift on-the-go
Side mount reservoirs
Aluminum reservoirs
Hi/Low pump for combination 3000 or 2000 psi operating pressure
Double pumps
Bulk head plate with Pogo Stick for hose anchor
Our Engineering dept will be glad to custom design for your needs

RECOMMENDATIONS:

Use AW46 Hydraulic Oil or equivalent with rust and oxidation inhibitors and anti-wear additives.
Shim PTO on installation to recommended backlash. See manual



A WORD ABOUT WET KITS:

There are two major issues that define which wet-kit you need.

1. The pressure.
2. The reservoir size.

Most end-dumps with telescoping, single acting (power up, gravity down) cylinders, are only rated for 2000 psi. Since the design safety factors are minimal, these cylinders are very unforgiving if you exceed the rated pressure.

Belt trailers, shuffle-floors and chain trailers on the other hand usually require 3000 psi or more to get the load started.

You can't mix these applications. The 3000 psi will damage your end-dump cylinder and a 2000 psi end-dump pump will not operate a high-pressure trailer and turning up the pressure will destroy it.

Regarding reservoirs. Traditionally an end dump uses a 50 or 70 gallon tank, and a belt trailer uses a 15-30 gallon tank. So a belt trailer, even though it has more than enough pressure, usually won't carry enough oil to get your end-dump in the air.

Having said all that, WE DO HAVE COMBINATION KITS. You can have the best of both worlds and run your end-dump or a belt trailer from the same truck. It just takes the large reservoir, a high pressure pump and valving to reduce the pressure for the end-dump cylinder.

THINKING OUTSIDE THE BOX

If you need to pull a hydraulically operated trailer with multiple trucks, or you lease a specialty trailer for a short time, we also have wet kits with gas or diesel engines powering them that you mount on the trailer, usually located underneath and behind the landing gear.

OUR ADVANTAGE

We have been doing this for about 31 years. Our knowledge and experience can help you get that new truck to work quickly. Our in-house Engineering Department will make sure it works correctly on the first load. We know that down-time is not an option in your business.

IMPORTANT:

Write your transmission model number here: _____
and if you already have a PTO write it here: _____
we need these to do the calculations for your system.



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