

ELASTEC PACS1000

Trailer Mounted Vacuum System



Oil Spill Equipment | Floating Barriers | Incinerators



PACS (Portable Air Conveyance System) is ideal for picking up viscous oil and debris on land or from water surfaces. It is also very effective for beach cleaning operations that require long suction hoses and large solids handling abilities. PACS 1000 is designed for removing liquids, solids, and sludge from land or water, it is suitable for use in remote areas and costs less than vacuum trucks.

- Designed for removing liquids, solids & sludge.
- Trailer mounted unit, DOT approved for highway towing.
 - Trailer lights
 - Reflectors
 - Safety chains & hooks
- Less costly, more portable than vacuum trucks.
- Easy operation (user friendly controls located in easy-access locations) & low maintenance.
- Choice of vacuum pumps or blowers. (230 to 770 cfm). Air or water cooled.
- Engine options up to 48 hp.

Common Scenarios

- | | | |
|---------------------------------|----------------------|----------------|
| • Mines | • Hydro-excavation | • Airports |
| • Tank Cleaning (non-hazardous) | • Remediation | • Railroads |
| • Road Spills (ATEX unit) | • Oil Spill Response | • Animal Farms |
| • Power Stations | • General Cleaning | |
| • Loading bays | • Utility | |

Specifications

Model	1200 SKID	1200-230	1000-339	1000-332 (ATEX)	1000-424	1000-498	1000-770
Tank Capacity	1,200 gal / 4,540 litres		1,000 gal / 3,785 litres				
Chassis	Skid	Trailer					
Vacuum Tank Elevate	N/A		Included				
Engine	25hp / 18kW Diesel	20hp / 15kW Gas	17hp / 13kW Diesel	25hp / 18kW Diesel*	25hp / 18kW Diesel		34hp / 25kW 48 hp / 35kW Diesel
Vacuum Pump Type	Air Cooled Blower	Air Cooled Vane	Air Cooled Blower	Air Cooled Vane**	Water Cooled Vane	Air Cooled Blower	
Airflow (pulling vacuum)	770 cfm @ 15 Hg	164 cfm @ 20 Hg	331 cfm @ 16 Hg	332 cfm @ 18 Hg	324 cfm @ 18 Hg	487 cfm @ 16 Hg	770 cfm @ 15 Hg
Airflow (free air)	920 cfm	230 cfm	435 cfm	360 cfm	425 cfm	629 cfm	920 cfm
Vacuum Clutch	Yes	No	Yes				
Pressurize Tank Facility	No	Yes	No	Yes		No	
Rear Door	60 inch 1.52m				36 inch 0.91m	36 inch / 0.91m 60 inch / 1.52m	
High Pressure Water System	Optional	N/A		Optional			
E150 Transfer Pump Option	Optional	N/A		Optional			
Drum Skimmer Option	Optional	N/A		Optional			
Dry Particulate Filter Option	Optional				N/A		Optional
ShovelHead Skimmer Option	Optional						

**ATEX Approved



Weights and Dimensions

Model	Empty Weight	Gross Weight	Dimensions (LxWxH*)
PACS1200 Skid	5,965 lb 2,705 kg	N/A N/A	193.5 x 84 x 79.4 inch 491 x 213 x 201 cm
PACS1200-230	5,180 lb 2,349 kg	16,000 lb 7,257 kg	210.5 x 86.5 x 98.6 inch 533 x 220 x 250 cm
PACS1000-339	5,320 lb 2,413 kg	16,000 lb 7,257 kg	197 x 86.5 x 99.5 inch 500 x 220 x 253 cm
PACS1000-332 ATEX	N/A N/A	16,000 lb 7,257 kg	219 x 86.5 x 99.5 inch 556 x 220 x 253 cm
PACS1000-424 WC	5,930 lb 2,689 kg	16,000lb 7,257 kg	219 x 86.5 x 99.5 inch 556 x 220 x 253 cm
PACS1000-498	5,840 lb 2,649 kg	16,000 lb 7,257 kg	197 x 86.5 x 99.5 inch 500 x 220 x 253 cm
PACS1000-770-34-60	5,780 lb 2,622 kg	16,000 lb 7,257 kg	206.5 x 86.5 x 99.5 inch 524 x 220 x 253 cm
PACS1000-770-34-36	5,780 lb 2,622 kg	16,000 lb 7,257 kg	219 x 86.5 x 99.5 inch 556 x 220 x 253 cm
PACS1000-770-34-36 with Final Filter	5,896 lb 2,674 kg	16,000 lb 7,257 kg	219 x 86.5 x 99.5 inch 556 x 220 x 253 cm
PACS1200-770-34-60 without axles	N/A N/A	N/A N/A	193.4 x 86.5 x 85.5 inch 491 x 220 x 217 cm
PACS1000-770-45-36 with Final Filter	6,590 lb 2,989 kg	16,000 lb 7,257 kg	219 x 86.5 x 99.5 inch 556 x 220 x 253 cm
PACS1000-770-34-60 with Final Filter	5,896 lb 2,674 kg	16,000 lb 7,257 kg	206.5 x 86.5 x 99.5 inch 524 x 220 x 253 cm
PACS1200-770-34-60 Skid with Final Filter	6,080 lb 2,758 kg	N/A N/A	193.5 x 84 x 79.4 inch 491 x 213 x 201 cm



Available Options

Transfer Pumps

PACS units fitted with auxiliary hydraulic circuit are capable of running a transfer pumps. E150 centrifugal pump requires as a minimum the 25hp / 18kW engine. The ES400 Helical screw pump requires the 48 hp / 36kW diesel. These pumps can be used as submersibles for direct pumping.

Oil Skimmers

PACS units fitted with auxiliary hydraulic circuit are capable of running an Elastec Drum Skimmer such as the TDS118 or TDS136. Skimmed oil is sucked into the debris tank. Alternatively we can supply a simple floating suction head (ShovelHead skimmer).

Rear Door

The PACS unit can be configured with a 36 inch or fully opening rear door.

Vacuum Pumps (blowers) and Engine Combinations

We offer a wide range of vacuum pumps (blowers) combined with different engines (diesel or gasoline.)

High Pressure Water Pump

This feature can be added to most PACS units. The high pressure cold water pump is driven hydraulically from the integral power unit. Water is supplied from a saddle tank mounted on top of the debris tank.

Dry Particulate Filter (PACS1000-770 Model Only)

Washable polyester filter media rated at 98% efficiency on 10 microns. Molded urethane end caps. Carbon steel core with two support straps. Epoxy coated aluminum back-up wire.

Water Injection Collar

An in-line camlock attachment featuring a water hose connection to reduce dust and dry particulate intake.



Features and Benefits

- Auxiliary hydraulic power
- Fits in standard high cube container
- More maneuverable than vacuum trucks
- High air flow conveys material through long hoses
- Vacuum tank positioned over axles for balance
- Heavy duty steel chassis
- 16,000 lb Gross Vehicle Weight tandem axle trailer
- 7-leaf suspension spring
- Low tongue weight
- 12 ply, load range "F" tires rated at 4,045 lb each
- Hydraulic surge brakes - all four wheels
- 1/4 inch / 6 mm steel tank
- Work lights
- Solid welded full length fenders
10 gauge carbon steel
- Twin shut-off valves with cyclonic separator
- Hydraulic tank tilt (to 55°)
- Heavy-duty suction wand with assortment
of hoses and couplers
- Hitch with 8-inch vertical adjustment
- Tongue extends 15 inches
- DOT approved safety chains and hooks
- Stabilizer jacks for rear of trailer
- Sand blasted and epoxy painted
- 6 inch / 150 mm discharge valve
- Hoses stationed on built-in rack



All photos in this document feature the ELASTEC PACS1000-770 model with available options.

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty. Elastec holds the right to modify product specifications without notice.



926 County Road 1350 N
Carmi, Illinois 62821, USA
+1 (618) 382-2525

www.elastec.com elastec@elastec.com

BVS-008
3/1/17