

S0300-BV-CAT-020

EQUIPMENT DECONTAMINATION SYSTEM

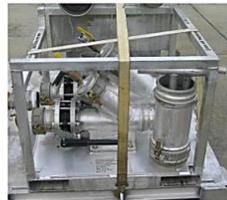
System - P19200



Equipment Decon Van VA2119



Hose Cleaning Manifold Pallet HC0001



Hose Cleaning Pig Launcher Pallet HC0002



Pig Catcher HC0004



14' X 14' X 18" Containment Pool CP3025



30' X 70' X 18" Cleaning Pool CP0831



5' X 5' X 12" Containment Pool CP3000



Hot Water Pressure Washer WA0830



3" Diesel Diaphragm Pump PU2108

Equipment Decontamination System P19200

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The Equipment Decontamination System P19200 contains the necessary components to clean the response equipment at an oil spill site. The Equipment Decon Van contains a cleaning pool, hot water pressure washer, a storage/shipping container, and ancillary equipment to support the system while operating in the field. Oil spill response equipment requires extensive cleaning prior to demobilization and return to the warehouses. Without proper cleaning equipment, this task is difficult, time consuming, and costly. The Equipment Decon Van provides the full array of cleanup tools and materials necessary for efficient cleaning and demobilization of equipment. A major spill response operation may require several Equipment Decon Vans to expedite the cleaning process.

System Components for P19200

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
VA2119	VAN, EQUIPMENT DECON	BL	1		Y
CP0831	POOL, CLEANING, 30' X 70' X 18"	Contents	1		
CP3000	CONTAINMENT POOL, MCHRY, 5' X 5' X 12"	Contents	1		
CP3020	CONTAINMENT POOL, 6' X 4' X 12"	ALTN		*	
CP3025	CONTAINMENT POOL, 14' X 14' X 18"	Contents	1		
HC0001	HOSE CLEANING MANIFOLD PALLET, 43" X 42" X 22"	Contents	1		
HC0002	HOSE CLEANING PIG LAUNCHER PALLET, 32" X 32" X 26"	Contents	1		
HC0004	PIG CATCHER	Contents	1		
PU2108	PUMP, DIAPHRAGM, 3", DIESEL	Contents	1		
WA0830	PRESSURE WASHER, HOT WATER, MODEL KD 420ES	Contents	1		

Baseline verified on 5/18/2020, * Not shown in catalog.

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ESSM - VA2119 VAN, EQUIPMENT DECON



Equipment Decon Van VA2119

The Equipment Decon Van VA2119 is a modified 20' x 8' x 8' shipping container used to store and ship the oil spill response equipment cleaning system. The main components of the cleaning system are a hot water pressure washer, cleaning solvents, sorbents, brushes, hand tools, and cleaning pools.

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	20 ft, 0 in		
Width	8 ft, 0 in		
Height	8 ft, 0 in		
Cube	1280 cu ft		
Footprint	160 sq ft		
Weight	15690 lb		

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ESSM - CP0831 POOL, CLEANING, 30' X 70' X 18"



30' X 70' X18" Cleaning Pool CP0831
(Shipping Configuration)



30' X 70' X18" Cleaning Pool CP0831
(Operational Configuration)

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The Cleaning Pool CP0831 is a rubber container in which pollution equipment can be cleaned after use on oil spills. The pool is large enough to hold two skimmers for cleaning. The pool contains the oil and chemicals from the equipment until it can be pumped out and transported to a disposal site.

Specifications

Type	Description	Qty
Manufacturer	Basic Concepts	
Model	BCI-CUR-A1-187X	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	5 ft, 2 in	70 ft, 0 in	
Width	3 ft, 10 in	30 ft, 0 in	
Height	2 ft, 8 in	1 ft, 6 in	
Cube	53 cu ft	3150 cu ft	
Footprint	20 sq ft	2100 sq ft	
Weight	1010 lb	1010 lb	

References

Ref No	Reference
1	None

**ESSM - CP3000
CONTAINMENT POOL, MCHRY, 5' X 5' X 12"**



5' x 5' x 12" Machinery Containment Pool CP3000
(Shipping Configuration)



5' x 5' x 12" Machinery Containment Pool CP3000
(Operational Configuration)

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The Machinery Containment Pool CP3000 is a 5' x 5' x 12" urethane berm. It is used to provide a means of catching and containing any oil, fuel, or contaminants leaking or spilled from the component that it is supporting.

Specifications

Type	Description	Qty
Manufacturer	Basic Concepts	
Model	1003-00221-201A	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	1 ft, 8 in	5 ft, 0 in	
Width	1 ft, 8 in	5 ft, 0 in	
Height	0 ft, 10 in	1 ft, 0 in	
Cube	3 cu ft	25 cu ft	
Footprint	3 sq ft	25 sq ft	
Weight	40 lb	40 lb	

References

Ref No	Reference
1	None

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ESSM - CP3025 CONTAINMENT POOL, 14' X 14' X 18"



14' X 14' X 18' Containment Pool CP3025
(Shipping Configuration)



14' X 14' X 18' Containment Pool CP3025
(Operational Configuration)

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The Containment Pool CP3025 is a 14' x 14' x 18" urethane berm. It is used to catch and contain any oil, fuel, or contaminants leaked, spilled or cleaned from the component that it is supporting.

Specifications

Type	Description	Qty
Manufacturer	Basic Concepts	
Model	BCI-CUR-A1-037X	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	3 ft, 1 in	14 ft, 0 in	
Width	2 ft, 8 in	14 ft, 0 in	
Height	0 ft, 8 in	1 ft, 6 in	
Cube	6 cu ft	294 cu ft	
Footprint	9 sq ft	196 sq ft	
Weight	165 lb	165 lb	

References

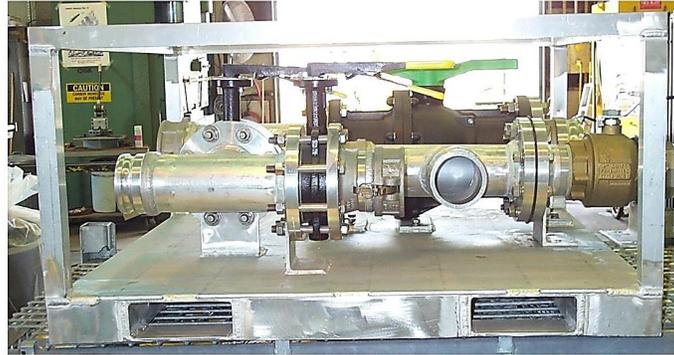
Ref No	Reference
1	None

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ESSM - HC0001 HOSE CLEANING MANIFOLD PALLET, 43" X 42" X 22"



Hose Cleaning Manifold Pallet HC0001

The Hose Cleaning Manifold Pallet HC0001 is connected in-line with oil contaminated hoses, a cleaning tank filled with approved cleaning solvent, and a pump (used to circulate cleaning fluid). The manifold comes with a 4-inch and a 6-inch adapter manifold for the cleaning of either 4- or 6-inch hoses. Either of these adapter manifolds can be fitted with other adapters of different sizes to clean other hoses of different sizes. Once connected, the circulation pump is started and circulates the cleaning fluids through the hose until the hoses are clean. Diesel fuel is circulated through the hose first to break down the crude oil. After the hoses are flushed with diesel fuel they are then flushed with an approved cleaning solvent such as Citrikleen until the desired state of cleanliness is achieved.

Specifications			
Type	Description		Qty
Manufacturer	ESSM Facility		
Model	HC0001		
Physical Characteristics			
Type	Descriptions		
	Shipping		
Length	3 ft, 6 in		
Width	3 ft, 8 in		
Height	2 ft, 0 in		
Cube	26 cu ft		

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Physical Characteristics

Type	Descriptions		
Footprint	13 sq ft		
Weight	385 lb		

References

Ref No	Reference
1	None

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ESSM - HC0002 HOSE CLEANING PIG LAUNCHER PALLET, 32" X 32" X 26"



Hose Cleaning Pig Launcher Pallet HC0002

The Hose Cleaning Pig Launcher Pallet HC0002 contains a 4-inch and a 6-inch manifold assembly that, when connected to the proper sized hose, launches either a 4- or 6-inch cleaning pig. The pig launcher can be used to clear the hose of crude oil after a transfer or to clear the hose after cleaning.

Specifications

Type	Description	Qty
Manufacturer	ESSM Facility	
Model	HC0002	

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	2 ft, 8 in		
Width	2 ft, 8 in		
Height	2 ft, 3 in		
Cube	16 cu ft		
Footprint	8 sq ft		
Weight	210 lb		

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References

Ref No	Reference
1	None

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ESSM - HC0004 PIG CATCHER



Hose Cleaning Pig Catcher HC0004

The Hose Cleaning Pig Catcher HC0004 contains a 4-inch and 6-inch manifold assembly that when connected to the proper sized hose catches either a 4- or 6-inch cleaning pig. The pig catcher can be used to clear the hose of crude oil after a transfer or to clear the hose after cleaning.

Specifications		
Type	Description	Qty
Manufacturer	ESSM Facility	
Model	HC0004	

Physical Characteristics			
Type	Descriptions		
	Shipping		
Length	2 ft, 7 in		
Width	2 ft, 11 in		
Height	2 ft, 3 in		
Cube	17 cu ft		
Footprint	8 sq ft		
Weight	265 lb		

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References

Ref No	Reference
1	None

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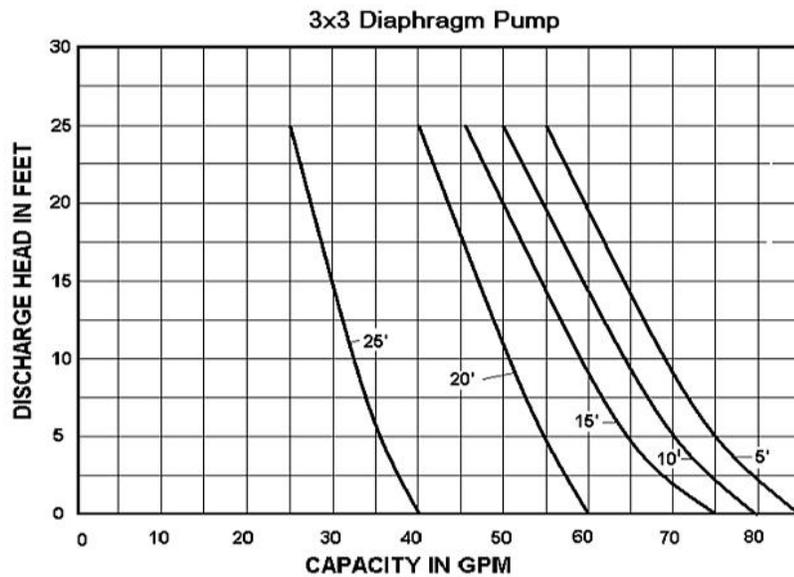
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ESSM - PU2108 PUMP, DIAPHRAGM, 3", DIESEL



3" Diesel Diaphragm Pump PU2108



3" Diesel Diaphragm Pump PU2108 Performance Curve

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The 3" Pump PU2108 is a self-priming, diesel-driven, diaphragm pump that is designed to pump water and transfer viscous materials. The pump will pump water at a maximum rate of 100 gpm with a maximum discharge pressure of 10 psig. Maximum practical suction lift is 26 feet above the water surface. The pump is skid-mounted with two carrying handles that double as a protective roll cage. The pump is powered by a 1-cylinder, 4.2 hp, air-cooled, 4-cycle, diesel engine. The engine has a recoil starter and direct fuel injection with a variable speed control and is designed to operate off of its own integral fuel system.

Specifications

Type	Description	Qty
Pump		
Manufacturer	C H & E Mfg. Co.	
Model	5500	
Type	Diaphragm	
Max. capacity	100 gpm @ 10 psig	
Engine		
Manufacturer	Yanmar Diesel Engine Co.	
Model	L40AE	
Cylinders	1	
Bore/stroke	68 mm/55 mm	
Displacement	199 cm ³	
Compression ratio	20 : 1	
Rpm	3600	
Horsepower	4.2	
Fuel	Diesel	
Fuel source	Integral fuel tank	
Fuel consumption	0.5 gph	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	3 ft, 5 in	3 ft, 5 in	
Width	2 ft, 11 in	2 ft, 11 in	
Height	2 ft, 5 in	2 ft, 5 in	
Cube	25 cu ft	25 cu ft	
Footprint	10 sq ft	10 sq ft	
Weight	245 lb	245 lb	

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References

Ref No	Reference
1	Yanmar Service Manual for Model L-A Series Engine
2	Yanmar Operations Manual, Model L-A Series Engine
3	Yanmar Diesel Engine Parts Catalog, Pub. No. 00Y00R3981

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ESSM - WA0830 PRESSURE WASHER, HOT WATER, MODEL KD 420ES



Hot Water Pressure Washer Model KD420ES WA0830

The Hot Water Pressure Washer Model KD420ES WA0830 is a high pressure hot water unit used to clean off oil, salt spray, and dirt by spraying a chemical cleaner on the equipment.

Specifications

Type	Description	Qty
Manufacturer	Water Cannon	
Model	18L34	
Diesel Engine		
Manufacturer	Kohler	
Cooled	Air	
Cycle	4	
Cylinders	1	
Starter	Electric	
Horsepower	14	
Rpm	3600	
Pump		
Manufacturer	Beckett	

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Specifications

Type	Description	Qty
Model	ADC	
Type	Oil burner	
Discharge capacity	0.75 - 2.50 gph	
Operating pressure	3200	
Maximum fluid temperature	165°	
BTU/hour	105,000 - 350,000	
Fuel type	No. 1 or No. 2 diesel or kerosene	
Burner Motor		
Horsepower	1/6	
Volts	13.5 Vdc	
High pressure hose	50'	
Gun	Insulated shutoff	
Nozzle (4 ea)	0°, 15°, 25°, 40°	
Chemical control	Down stream	

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	4 ft, 0 in		
Width	2 ft, 8 in		
Height	4 ft, 0 in		
Cube	43 cu ft		
Footprint	11 sq ft		
Weight	485 lb		

References

Ref No	Reference
1	Pressure Washer Operations Manual
2	ADC 12Vdc Oil Burner Manual
3	Kohler Operation manual KD440
4	General Pump Specifications and Parts