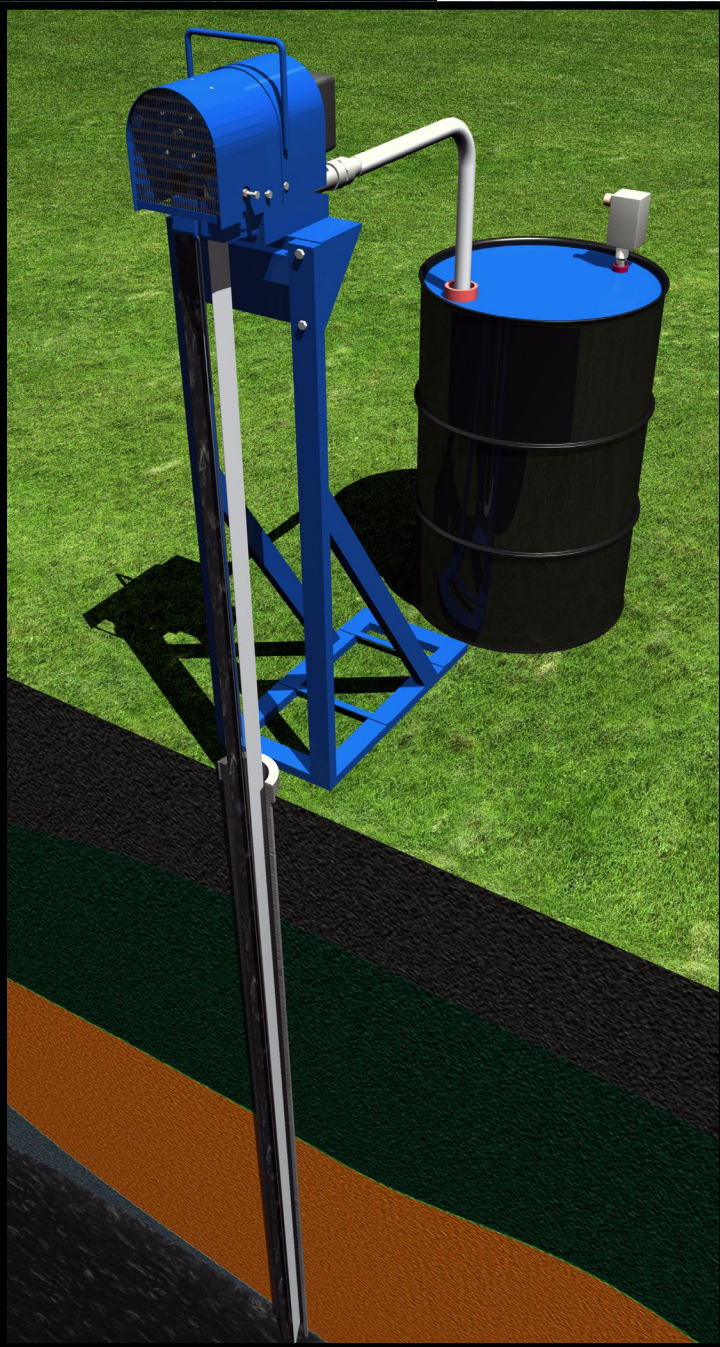


WELL OIL SKIMMER

PetroXtractor®



Oil Skimming for Wells and Other Small Openings

- Ideal for removal of floating oil and other hydrocarbon liquids from existing recovery or monitoring wells
- Can be installed in well casings as small as 2 in. ID
- Elevates skimmed oil 100 feet or more for easy discharge into 55 gallon drum
- Removes up to 12 gph of oil from water
- Solar power option available
- Can recover everything from coal tar to kerosene

General Description

The Abanaki PetroXtractor® is a dependable and cost effective means of removing oil, fuel, and other floating hydrocarbons from water where access to the fluid surface is limited. It provides efficient remediation of groundwater contaminated by oil, using existing recovery and monitoring wells. Often, the PetroXtractor® working alone will reduce oil or fuel content to an acceptable EPA level. Models are available for two inch, four inch, and six inch ID well casings, with removal rates up to 12 gph. Depths of 100 feet or more can be accommodated without the use of pumps.

The PetroXtractor® is an oil skimmer that makes use of the differences in specific gravity and surface tension between oil and water. These physical characteristics allow the unit's continuous belt to attract floating oil in the well.

The PetroXtractor Advantages

- Allows existing monitoring wells to be used as recovery wells
- Portable — can be easily hand-carried from well to well
- A single unit separates oil and elevates it up to 100 feet without a pump
- Maintains skimming efficiency with fluctuating water level
- Tail pulley is tethered to the frame to prevent accidental loss of belt and tail pulley in the well casing
- Easy mounting, fast cleaning with minimal maintenance
- Belt materials to fit any application
- Many options available to customize unit for your application



ABANAKI® OIL SKIMMERS

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After picking up the oil, the belt travels over the head pulley on the drive unit and through tandem wiper blades. The oil is then scraped off both sides of the belt and discharged through a 1-1/4" ID hose. The unique bearingless design of the tail pulley (immersed in the well water) with its tethered frame allows it to perform three important functions: it keeps proper tension on the belt, prevents accidental loss down the well, and keeps the belt centered in the casing.

The PetroXtractor® can be installed in existing wells by mounting it on a flat surface above the well. Skimmer operation consists of merely lowering the belt and tail pulley into the casing until the pulley is fully immersed, placing the discharge hose in a container, and switching the unit on.

Where To Use The PetroXtractor

The PetroXtractor is designed for those applications that have a limited access area and a deep drop between the mounting surface and the surface of the liquid. The unit can be used anywhere electric power, compressed air, or 12VDC is available. Vapor tight enclosures, explosion proof, or pneumatic motors are available for areas where combustible fumes may be present.



PetroXtractor in optional Poly-Shelter

Key Features of the PetroXtractor

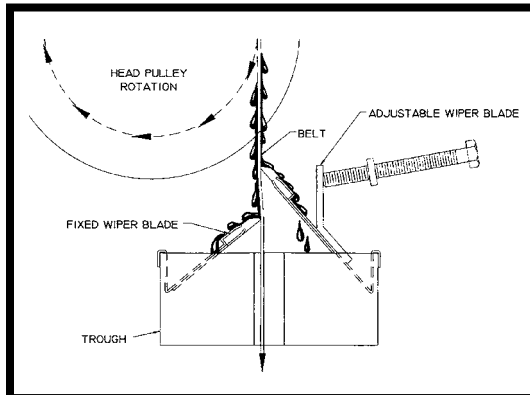
- Small mounting and operating area
- Chip resistant finish
- Customized belt lengths and materials
- Easily mounted on flat surface
- Belt and wipers impervious to oils and fuels
- Weighted and tethered tail pulley
- Fast cleaning with minimal maintenance
- Can be customized to application needs
- Solar powered units available

Rugged Construction for Harsh Conditions

The PetroXtractor will provide many years of trouble-free service. A tough power train keeps the PetroXtractor running under the most severe conditions.



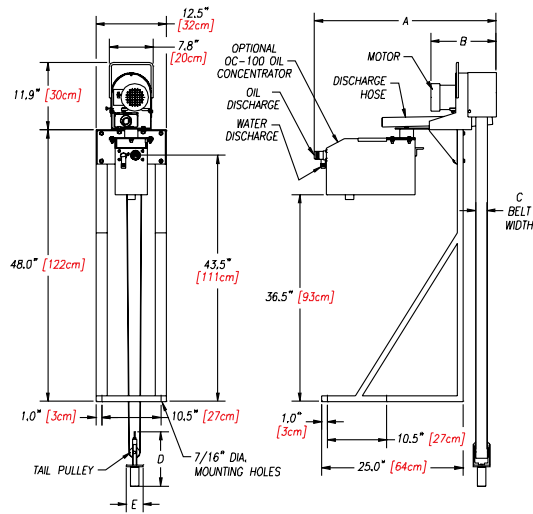
Tail Pulley Detail



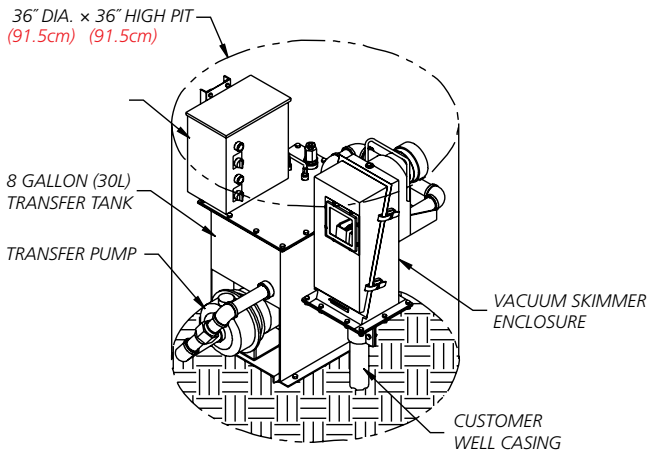
Wiper Blade Detail

WELL OIL SKIMMER PetroXtractor®

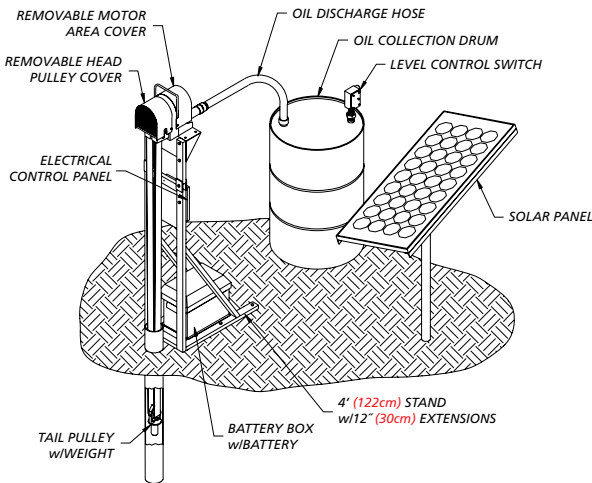
Unit	SPXA	SPXB	SPXC
A	29-3/4"	30-3/4"	32-3/4"
B	10-7/8"	11-7/8"	13-7/8"
C	1"	2"	4"
D	5"	6"	4"
E	1-3/4"	3"	5-1/4"



Installation Dimensions



Optional Below Grade Mounting Kit



Optional Solar Unit Power

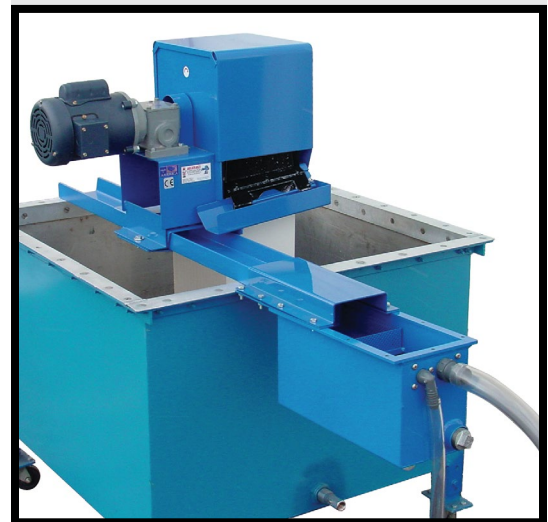
Applications

- Groundwater monitoring wells
- Recovery wells
- Leaky underground tanks
- Limited access areas
- Below grade vaults/manholes
- Explosive environments
- Recovering DNAPL or LNAPL
- Remote locations--solar power

Abanaki's Oil Concentrators®

The Oil Concentrator® is an option available on all ABANAKI oil skimmers. Under most operating conditions ABANAKI oil skimmers will pick up oil with less than 5% water. But as surface oil is reduced to a thin layer (1/16 to 1/8 inch thick), more water or coolant may also be picked up along with the oil. When used in tandem with the oil skimmer, an Oil Concentrator will solve this problem, and provides virtually complete oil/water separation, saving money and improving the efficiency of the skimmer.

Based on the principle of gravity separation, the Oil Concentrator uses no electricity, timers, sensors, pumps, or other moving parts. The Oil Concentrator sits behind the skimmer and receives its discharged oil. The unit comes complete with a mounting bracket, removable sludge screen and a drain plug to ease clean up. For higher viscosity oils or low temperature applications, a thermostatically controlled heater is available as an option.



Optional equipment shown in some views.

WELL OIL SKIMMER

PetroXtractor®

Abanaki has thousands of skimmers installed worldwide at leading companies such as...

American Cyanamid
Armstrong World Industries
Bethlehem Steel
Boeing
Bureau of Reclamation
Caterpillar
Chevron
Clean Harbors
Corning
Dow Chemical
Eaton
Flying J
Ford Motor
General Electric
IT Corp.
Henry Filters

Industrial Environmental Products
John Deere
Kaiser Aluminum
Kemron Environmental
McLaren Hart
Monroe Auto Equipment
New York Power Authority
Nissan Motor
Outboard Marine
TRW
United Airlines
US Gypsum
US Repeating Arms
USS Great Lakes Fleet
U.S. Army Corp. of Engrs.
Westinghouse Electric

Other Oil Skimming Products From Abanaki

Model 8²

For Most Applications
Single 8-inch wide belt (20.3 cm)
Any length belt
Capacity: 40 GPH (151.4 LPH)

Model MB²

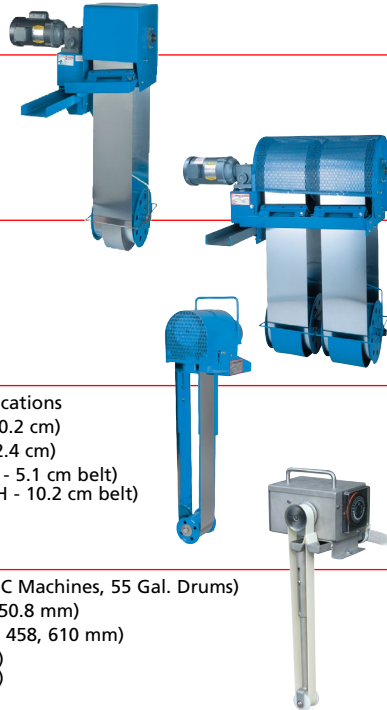
For High Volume
Two to five 8-inch belts (20.3 cm)
Any length belts
Capacity: to 200 GPH (757.1 LPH)

Tote-It² Portable

Portable for Moderate Capacity Applications
Single belt: 2-inch or 4-inch (5.1 or 10.2 cm)
Belt length: 1'-6" to 5'-0" (45.2 to 152.4 cm)
Capacity: 6 GPH - 2" belt (15.1 LPH - 5.1 cm belt)
12 GPH - 4" belt (22.7 LPH - 10.2 cm belt)

Mighty Mini²

Small Applications (Parts Washers, CNC Machines, 55 Gal. Drums)
Single belt: 1-inch or 2-inch (25.4 or 50.8 mm)
Belt length: 6", 12", 18", 24" (153, 305, 458, 610 mm)
Capacity: 1 GPH - 1" belt (3.81 LPH)
2 GPH - 2" belt (5.71 LPH)



Specifications

Oil Removal Rate	Model PX-A: 3 gph (11 lph) with 1 in.(2.5 cm) wide belt Model PX-B: 6 gph (23 lph) with 2 in.(5 cm) wide belt Model PX-C: 12 gph (45 lph) with 4 in.(10 cm) wide belt (Removal rate is based on 30 weight oil or gasoline in water.)
Motor	Fractional hp TEFC, 115VAC, single phase, 60 Hz gear motor, including 8 foot cord with electrical plug Optional: 50 Hz; 3-phase; explosion proof; 12VDC or pneumatic
Belt Width (Specify)	PX-A (1 in. (2.5 cm) for 2 in. (5 cm) ID casing PX-B (2 in. (5 cm)) for 4 in. (10 cm) ID casing PX-C (4 in. (10 cm)) for 6 in. (15 cm) ID casing
Belt Material	Specify specially engineered polymer or LFO (Fuzzy) Poly. When in doubt, consult factory for advice on the best belt for your application.
Wiper Material	UHC or Ceramic
Mounting Method	Flat base mount with oil discharge through a 1-1/4 in. (3.1cm) ID hose
Mounting Area	See installation drawing or ask factory rep for more info.
Weights¹	Complete assembly without tail pulley or belt: Model PX-A: 30 lbs. (13.6 Kg.) Model PX-B: 31 lbs. (14 Kg.) Model PX-C: 38 lbs. (17 Kg.) PX-A Tail pulley: 2 lbs. (1.3 Kg.) PX-B Tail Pulley: 3 lbs. (2.7 Kg.) PX-C Tail Pulley: 4.5 lbs. (4.1 Kg.)
Options (Specify)	<ul style="list-style-type: none">• Above-ground mounting stand• Stainless steel construction• Solar power available• On-Off float switches to fit 3/4 in.(1.8 cm) bung of discharge drum. (Available in standard or explosion proof.)• Oil Concentrator² for virtually water-free oil discharge. (Available in standard or explosion proof.)• Reinforced poly-shelters for protection of skimmer• 24 hour timer to start/stop PetroXtractor at specified intervals (standard or explosion proof)• Vapor tight enclosures• Below grade transfer package• Heaters for cold climates or thick product• Stabilizer rods for DNAPL or heavy product.• For unique applications consult factory rep to customize.
Specification Notes:	<ol style="list-style-type: none">1. The PetroXtractor is UPS shippable.2. Consult factory for recommendations covering operating conditions not listed here.3. Must provide own wiring on explosion proof units.

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