



CANADYNE TECHNOLOGIES PRODUCTS



- BOOM REEL 7272H
- MULTI SKIMMER 1218/1
- POWER PACK DH10Y-2
- AIRBOOM MP 12/18, 22
- AIRBOOM SC 12/18, 22
- PORTA TANK

Azienda certificata secondo la norma EN ISO 9001/2000 per le attività di progettazione ed installazione di barriere di contenimento a protezione di coste ed installazioni industriali. Progettazione e realizzazione di imbarcazioni speciali per bonifiche ambientali.



BOOM REEL 7272H

OVERALL LENGTH	2490 mm
WIDHT	1830 mm
HEIGHT	2240 mm
WEIGHT (empty)	386 Kg
SPOOL DIAMETER	1830 mm
SPOOL LENGHT	1830 mm
SPOOL CONSTRUCTION	19 in. (480 mm) diameter core rolled from 0.25 in. (6.4 mm) marine grade aluminum plate. Seam is fully welded. End flanges manufactured from solid sheet of 0.19 in. (4.8 mm) thick marine grade aluminum plate reinforced with radial aluminum ribs. 1.25 in. (31.8 mm) dia. aluminum pipe welded around flange perimeter as a safety feature and to eliminate sharp edges.
FRAME CONSTRUCTION	4 in. (102 mm) x 4 in. (102 mm) x 0.25 in. (6.4 mm) wall aluminum box section tube fully welded to form an A-frame. Lifting eyes located at top of A-frame. Forklift pockets located in base.
DIRECTIONAL CONTROL	Spring loaded (no detent) lever to control the direction of rotation. If the lever is released, valve returns to "off" position and reel stops rotating immediately. Forward and Reverse.
SPEED CONTROL	Variable flow control valve to allow fine control of reel rotational speed.
HYDRAULIC MOTOR	High torque, low speed
REDUCTION GEAR	Planetary gear drive
HYDRAULIC SUPPLY	7 US gpm @ 2500 psi max. 26.5 l/min @ 17240 kPa max.
LINE PULL	3300 lbs at core at max. pressure 1 500 kg at core at max. pressure
ROTATIONAL SPEED	to 15 rpm at maximum hydraulic flow
EMERGENCY OPERATION	A bypass valve in the hydraulic circuit allows reel to be rotated without hydraulic power

CANADYNE BOOM REEL:

The Canadyne **BOOM REEL** is used for the storage, transportation and deployment of reelable booms. Hydraulic drive permits deployment and recovery of oil booms without intense manual labor.

APPLICATION GUIDE:

Use the rugged and durable BoomReel for reliable storage and deployment of a wide variety of Canadyne oil containment booms. Can be mounted on docks, or vessels—easily transportable. Can run off ship or existing hydraulics, or auxiliary power unit. Greatly reduces time and labor required for deployment and recovery of oil booms.

FEATURES AND BENEFITS:

- Custom built, available in a wide range of sizes.
- Rugged, welded marine grade aluminum construction.
- Heavy duty hydraulic drive system.
- Controls (reel speed and direction, emergency bypass) can be reel mounted, or located on separate power unit.
- Solid end flanges for safe operation.
- Available with diesel, gasoline or electric power packs.
- Convenient forklift pockets and lifting eyes.



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MULTI SKIMMER 1218/1



SKIMMER TYPE	Brush (Drum or Disk interchangeable, not included)
RECOVERY RATE	> 12 m3/hr (Brush) > 7 m3/hr (Drum) > 10 m3/hr (Disk)
FREE WATER RECOVERY	less than 2%
VISCOSITY RANGE	variable
LENGHT, WIDTH, HEIGHT	0.87 m (34"), 1.02 m (40"), 0.46 m (18")
WEIGHT (HEAD ONLY)	41 kg (90 lbs)
CONSTRUCTION FINISH	All welded marine grade aluminum and SS, Powder coated orange
BRUSH DIAMETER, LENGHT	0.30 m (12") x 0.46 m (18")
NUMBER OF BANKS	1 brush (interchangeable with disk or drum)
BANK ATTACHMENT	Spring Loaded Stainless steel quick release knob
OIL FLOW	No sharp 90 degree transitions, or requirement for cleanout port
HANDLESS	4, Side mounted
DRIVE, POWER	Hydraulic Motor (onboard), Diesel driven hydraulic
FITTINGS	Brass quick disconnects each hose end
HYDRAULIC HOSES	12.5 mm x 15 m (½"x50') twin wire c/w caps and plugs
QUANTITY	2 sets (1 for motor, 1 for transfer pump)
TRANSFER PUMP UNIT	2" Centrifugal onboard, external pumps available
PUMP DRIVE	Hydraulic
PUMP CONNECTION	Detachable, Via Camlock
TRANSFER HOSE(S)	2" (50 mm) x 10 m (33') discharge hose c/w
MONO TYPE, MODEL	Diesel, Yanmar
HORSEPOWER	7 HP
START	Electric
PUMP	Hydraulic, Direct Coupled
GAUGES	Hydraulic Pressure, Oil Level and Temperature
HYDRAULIC TANK	20 lt (6 gallon)
CONTROLS	Dual (Speed/Direction), for brush bank and transfer pump
WEIGHT, DIMENSIONS	85 kg (185 lbs.) 40" L x 34" W x 36" H
FRAME	Square aluminum tubing
CART	Heavy duty tires, SS shaft, roller bearing
COLOUR, FINISH	Orange, Powder coated finish



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CANADYNE MULTI SKIMMER:

The Canadyne **MULTI SKIMMER** is a high efficiency, oleophilic skimmer for the removal of oil that is floating on water.

APPLICATION GUIDE:

Use anywhere oil is to be removed from the surface of water. Oleophilic technology will remove approx. 98% pure oil. Small units ideal for plant use (separating ponds, API separators) with larger units ideal for oil spill response operations. Use for a wide range of oil viscosities, from light oils to heavy crudes.

FEATURES AND BENEFITS:

- Disk skimming module (large photo above) standard with optional interchangeable brush and drum modules.
- Modular design minimizes cost and allows for optimum skimming of a variety of products.
- Stand alone or on-board pump (detachable) for effective pumping of viscous fluids and maximum versatility.
- Rugged all aluminum construction, powder coated for hi visibility.
- Various sizes and capacities available.
- Hydraulically driven with choice of diesel, gasoline or electric power packs.

CANADYNE TECHNOLOGIES PRODUCTS



POWER PACK DH10Y-2



LENGHT	50 inches (1270 mm) including handles
WIDTH	38 inches (965 mm) to outside of wheels
HEIGHT	44 inches (1117 mm) to top of valve handles 34 inches (864 mm) to top of frame
MOTOR DRIVE	Yanmar 10 HP, air-cooled, electric/recoil start
PUMP	Direct coupled gear pump (3600 psi, 250 bar max pressure). Factory setting 1500 psi (100 bar) at approximately 6 gpm (27 l/min) flow
CONTROLS	Dual circuit, to drive two pieces of equipment simultaneously i.e. skimmer and transfer pump
OUTPOT & CONTROLS	Engine speed and stop control, twin speed controls, twin forward and reverse controls
INSTRUMENTS	Hydraulic system pressure, fuel level gauge, hydraulic oil temperature, level indicator 10
HYDRAULIC TANK	gallons (45 litre) capacity, fitted with return oil filter, level gauge and oil temperature gauge.
CONSTRUCTION	Welded aluminium, wheel mounted with handles for easy transport.
PAINT	All fabricated components will be powder coated International Orange except for working surfaces and gauges.

CANADYNE POWER PACK:

The Canadyne **POWER PACK** (4.8 hp diesel, single control shown above) is a self-contained hydraulic power unit used to drive Canadyne skimmers, boom reels and other spill response equipment.

APPLICATION GUIDE:

Canadyne PowerPacks are used to power hydraulically operated spill response equipment. PowerPacks are designed to be multi-purpose and have the flexibility for use with skimmers, reels, and other equipment

FEATURES AND BENEFITS:

- Available in wide range of power options - diesel, electric, gas.
- Various sizes available to power all types of equipment.
- Single or dual controls. Quick connection fittings.
- Rugged, welded aluminum construction.
- Heavy duty rubber tires and folding handles for ease of movement and compact storage.
- Fabricated components powder coated international orange.
- Optional PVC cover for protection from the elements.

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AIRBOOM MP 12/18, 22



BOOM HEIGHT	762 mm
DIAMETER	305 mm
DRAFT	457 mm
STANDARD LENGTH	25 m
FABRIC WEIGHT	22 oz/yd ²
FABRIC	PVC coated Polyester
COLOUR	Orange standard, others available
BOOM WEIGHT	2.8 kg/m
BUOYANCY/WEIGHT RATIO	Ratio 25.8:1
INTERNAL AIR CHAMBERS	5 m
SEPARATION OF CHAMBERS	Internal bulkheads
INFLATION VALVE	Monsun Inflation/Deflation
END CONNECTORS	ASTM F962-99 extruded marine grade aluminum connector
CONNECTOR ATTACHMENT	Boltless, even stress distribution
TOGGLE PINS	3/8" (9.5 mm) stainless steel, spring loaded with lanyard
BALLAST	Grade 30, hot galvanized steel chain
BALLAST SIZE	7.1 mm
BALLAST WEIGHT	1.0 kg/m
BOOM TENSILE STRENGTH	10,960 kg
CHAIN POCKET	Fully enclosed, single layer
DRAIN HOLES	every 3 m

CANADYNE AIR BOOM MP:

The Canadyne **AIR BOOM MP** is an inflatable boom suitable for a wide range of marine environments. Storage on boom reels allows for easy deployment, retrieval and transportation.

APPLICATION GUIDE:

AirBoom MP (Multi-Point inflatable) is an ideal choice for areas where conditions (frequent use, limited manpower, etc.) dictate the use of a reelable boom. Perfect for storage on elevated docks at marine terminals or as a readily transportable response package when stored on trailer mounted boom reels. Can be inflated with high volume, low pressure backpack inflators, or integrated reel mounted hydraulic blower.

FEATURES AND BENEFITS:

- Simple and reliable design.
- High flow check valves for rapid inflation and deflation.
- Wide range of sizes and fabric choices to suit any application or budget.
- Multi-chamber design for utmost reliability.
- Ultra compact storage on boom reels or folded onto storage pallets.
- ASTM or Universal Slide style marine grade aluminum boom connectors to mate with existing equipment inventories.
- Contact us for detailed specifications and competitive pricing

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AIRBOOM SC 12/18, 22



BOOM HEIGHT	762 mm
DIAMETER	305 mm
DRAFT	457 mm
STANDARD LENGHT	25 m
FABRIC WEIGHT	22 oz/yd ²
FABRIC	PVC coated Polyester
COLOUR	Orange standard, others available
BOOM WEIGHT	2.7 kg/m
BUOYANCY/WEIGHT RATIO	Ratio 27.2:1
SEPARATION OF CHAMBERS	Single Chamber
INFLATION VALVE	Monsun Inflation/Deflation
END CONNECTORS	ASTM F962-99 extruded marine grade aluminum connector
CONNECTOR ATTACHMENT	Boltless, even stress distribution
TOOGLE PINS	3/8" (9.5 mm) stainless steel, spring loaded with lanyard
BALLAST	Grade 30, hot galvanized steel chain
BALLAST SIZE	7.1 mm
BALLAST WEIGHT	1.0 kg/m
BOOM TENSILE STRENGTH	11,050 kg
CHAIN POCKET	Fully enclosed, single layer
DRAIN HOLES	every 3 m

CANADYNE AIR BOOM SC:

Canadyne **AIR BOOM SC** is an economical inflatable boom suitable for a wide range of marine environments. The entire boom chamber is inflated quickly and easily from either end. Storage on boom reels allows for easy deployment, retrieval and transportation.

APPLICATION GUIDE:

AirBoom SC (Single Chamber) is an excellent option for areas where conditions (frequent use, limited manpower, etc.) dictate the use of a reelable boom. Perfect for storage on elevated docks at marine terminals or as a readily transportable response package when stored on trailer mounted boom reels. Can be inflated with high volume, low pressure backpack inflators, or integrated reel mounted hydraulic blower.

FEATURES AND BENEFITS:

- Economical, simple design.
- High flow check valves for rapid inflation and deflation.
- Wide range of sizes and fabric choices to suit any application or budget.
- Single Chamber design for fast, simple, effective deployment.
- Ultra compact storage on boom reels or folded onto storage pallets.
- ASTM or Universal Slide style marine grade aluminum boom connectors to mate with existing equipment inventories.

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PORTA TANK



MODEL	PT1000	PT1500	PT2000
LENGTH	8' (2.43 m)	10' (3.1 m)	12'
WIDTH	8' (2.43 m)	10' (3.1 m)	12'
HEIGHT	2.5' (0.76 m)	2.5' (0.76 m)	2.5'
STORAGE CAPACITY, L	4500	6800	9000
STORAGE CAPACITY, USG	1200	1800	2400
STORAGE CAPACITY,	1000	1500	2000
IMPERIAL GALLONS PVC	22 oz/yd ²	22 oz/yd ²	22 oz/yd ²
FABRIC	Standard	Standard	Standard
STANDARD COLORS	Orange	Orange	Orange

- Fabric upgrade to 28 oz PVC, or chemical resistant XR5 coated fabric
- PVC fabric ground sheet for rough surfaces
- PVC fabric carry bag

CANADYNE PORTA TANK:

The Canadyne PORTA TANK is a temporary storage tank which can be used for storage of hazardous materials or liquids. It is light-weight, easily transportable to site, and can be assembled rapidly without tools.

APPLICATION GUIDE:

- Use for temporary storage of liquids.
- Ideal for decanting of water during skimming operations.
- Suitable for decontamination of equipment, personnel and animals.

FEATURES AND BENEFITS:

- Strong, lightweight aluminum pipe frame with cast aluminum corner fittings. Corrosion resistant.
- High strength PVC coated liner. All seams RF welded.
- Rapid setup by one person. No tools required.
- Standard size 96" x 96" x 30" (2.44 x 2.44 x 0.76m) to hold 1000 imperial gallons (1200 US gallons, 4500 litres).
- Other sizes and accessories available on request.

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