

# Orwak 5031 Stainless Offshore Waste Compactor

Handling of solid waste and recyclables is increasingly important for the offshore and marine industry.

Orwak has been a major manufacturer of **Waste Compactors and Balers** installed worldwide since 1971. Our offshore compactors have a design that is based on the IMO Marpol 73/78 regulations. These machines compact waste into bags that are then incinerated or recycled ashore.

Our concept is to have a small footprint machine that is ejecting **bags of waste that are light and effortless to handle** and, at the same time, has a capacity appropriate for most offshore and marine applications.

Stainless steel and use of highly reliable electrical components will help minimize maintenance for the life of the machine.



Model 5031SS2X3

Our offshore compactors are rated for use outdoors in various marine environments. The electrical components on the explosion proof rated models are designed and manufactured according to the ATEX standards for explosion proof electrical equipment. However, there is no ATEX approval issued for the complete machine.

## The classic compactor for offshore applications

The Orwak 5031 compacts paper, cardboard, clothes, polystyrene and disposable polyurethane packages, tin cans, rags, gloves etc into bags that can be incinerated onboard or sent ashore. The compactor bag is fitted on the outside of a bottomless drum, which ingeniously prevents ripping of the bag. The full bag is ejected semi-automatically leaving it on the base, easily removable using the optional bag lifter.

These offshore models are to a high degree made of AISI 316L stainless steel. The hydraulic components are on certain versions, however, of regular steel and epoxy painted. See technical specifications for details.

There are two explosion proof ratings, plus one non-explosion proof, to cover the most common offshore applications. In addition to these models, we make pneumatic-hydraulic compactors having no electrical components and, if explosion proof is no requirement, a number of other ones for marine applications.

### Accessories

**Stainless Steel Tray** #486 88 10-00 that collects and drains liquid escaping the garbage while compacting and the hydraulic oil if a leakage will occur.

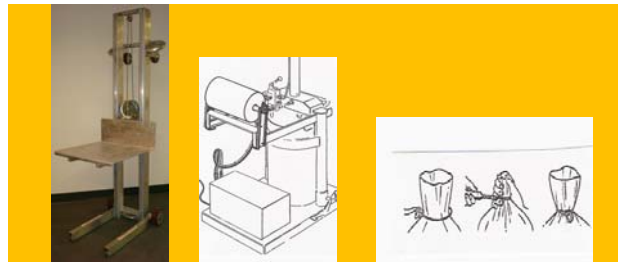
**Bag Lifter** #486 82 10-10

Made of aluminum and equipped with rear pneumatic wheels suitable for use on a steel grate floor.

**Bag Dispenser** #486 84 10-00

Stainless steel AISI316L

**Bag Tying Tool** with 500 wires #486 86 10-00



Technical Data	5031SS1X0	5031SS1X2	5031SS2X3
Machine Size W x D x H	34" x 39¾ x 6'4"	34" x 39¾ x 6'4"	34" x 39¾ x 6'4"
- metric	863x1010x1910 mm	863x1010x1910 mm	863x1010x1910 mm
Req. Ceiling Height when unloading <sup>1)</sup>	8'8" / 2630 mm	8'8" / 2630 mm	8'8" / 2630 mm
Machine Weight	800# / 365 kg	800# / 365 kg	800# / 365 kg
Drum Size W x D x H	20" x 20" x 32"	20" x 20" x 32"	20" x 20" x 32"
- metric	500x500x800 mm	500x500x800 mm	500x500x800 mm
Bag Weight -dry waste	~65# / 30 kg	~65# / 30 kg	~65# / 30 kg
- semi wet waste	~130# / 60 kg	~130# / 60 kg	~130# / 60 kg
Waste Volume Capacity per day	>1100#/ 500 kg	>1100#/ 500 kg	>1100#/ 500 kg
Compaction Force	6600#/3000kg/17p.s.i.	6600#/3000kg/17p.s.i.	6600#/3000kg/17p.s.i.
Cycle Time	~35 sec.	~35 sec.	~35 sec.
Noise Level	< 62 dB (A)	< 62 dB A	< 62 dB A
Power Requirement	480V/3/60hz 0.9kW	480V/3/60hz 0.9kW	480V/3/60hz 0.9kW
Explosion Proof Class	None	EEx de IIc T4	EEx de IIc T4 Class 1 Division 2 Groups C and D
Enclosure type	NEMA 3	NEMA 4X	NEMA 4X/7
Stainless Steel: <sup>2)</sup>			
- Frame	AISI 316/316L	AISI 316/316L	AISI 316/316L
- Hydraulic Cylinders	No	No	AISI 316/316L
- Hydraulic Valves	No	No	No

<sup>1)</sup> lower models are available

<sup>2)</sup> this is only a guide line

All data are subject to change

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