

EASY TO OPERATE  
HIGH PERFORMANCE  
**DURABILITY**  
INDUSTRIOUS

NEED ASSISTANCE  
**IN CHOOSING**  
THE RIGHT EQUIPMENT?

CONTACT US TODAY  
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Printed in Canada February 2017

Supervac is a subsidiary of **HONCO** GROUP



**Juggler**



**LIQUID & SOLID  
SEPARATION** SYSTEM  
SEPTIC APPLICATION

### WORKS SMARTER!

The Juggler™ is a unique, patented pumping and liquid-solid separating system that services grease traps and septic tanks, with no chemicals. This unit returns a liquid that is 98% free of solids, without affecting the bacterial flora.

### WORLD-CLASS QUALITY & MANUFACTURING.

Supervac, a leader in mobile vacuum system extends its time-tried and proven world class level of quality, customer-dealer support, and after sales commitment to Juggler™. We look forward to sharing the same with you, our new customer.

### ENVIRO-PROFICIENCY.

The Juggler's™ "smart control system" is designed to mirror the varied vacuum demands of the pumping event. Our frugal energy management means - no more smoke - much less noise - reduction in pump and engine wear and, of course, substantial fuel savings.

**SUPERNATANT WHERE IT BELONGS.**

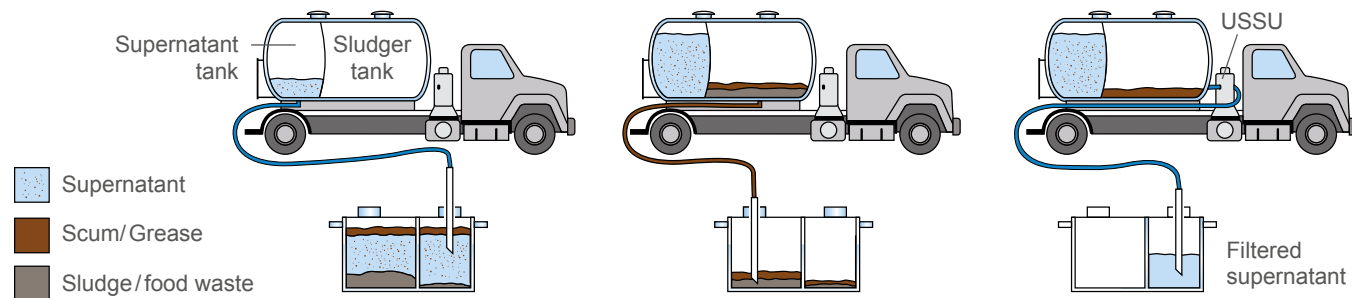
Juggler™ leaves beneficial supernatant behind at the site where it belongs! Operators benefit from 300% more “revenue stops” per trip, and the bonus of slashed disposal costs on a “fee per gallon” basis. Operational costs can be reduced by up to 80%!

**EASY COME, EASY GO.**

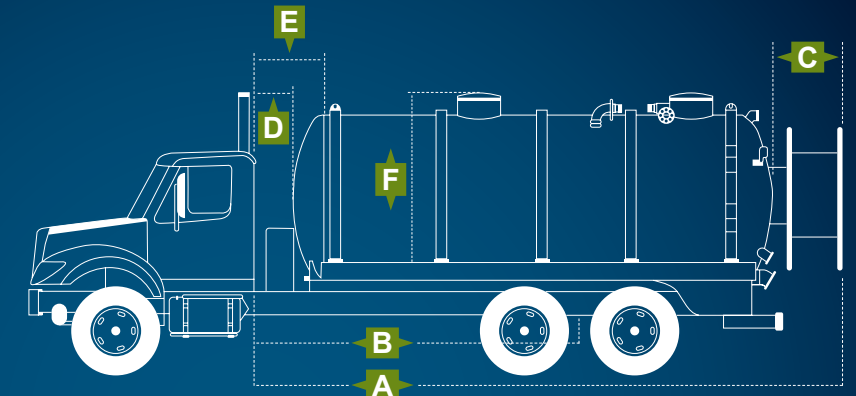
All major functions are supported by remote control or automated, optimizing your operators’ time and attention. The achieved goals are consistent, high quality results your customers demand; and, your operators are less fatigued at the end of the day!

**EFFICIENT PAYLOAD.**

With a little “concentration” it’s easy to leave the competition “all wet”! In addition to putting the squeeze on your payload, Juggler™ by Supervac achieves optimum payload balance. We’re at home with the most stringent North American Department of Transportation Regulations.



System detects density variations and automatically switches dispatchin of content from one tank to another



DIMENSION	IMPERIAL 0000 cu.yd	METRIC 00 m³
<b>A</b> Cab to hose reel	314"	7 976 mm
<b>B</b> Cab to axle	180"	4572 mm
<b>C</b> Hose reel	36"	914 mm
<b>D</b> Cab to tank dome	24"	610 mm
<b>E</b> Cab to tank	38"	965 mm
<b>F</b> Height above frame	96"	2438 mm

**FOR INFORMATION ONLY**

**TABULATION OF OPERATING COSTS**

Total savings per day **\$1 016**  
Based on 150 operational working days/year  
**GRAND TOTAL PER YEAR \$152 400**

DIMENSION Based on 12 tanks/day*	TRADITIONAL SYSTEM Based on a 10 wheel truck	JUGGLER TECHNOLOGY Based on a 10 wheels truck	SAVINGS per day
<b>Disposal cost</b> Based on a \$0.12/imp. gal.	<b>Collecting the whole tank content</b> 590 imp. gal./tank x 12 x \$0.12/imp. gal. <b>\$ 850</b>	<b>Scum and sludge collecting only</b> 160 imp. gal./ tank x 12 x \$0.12/imp./gal. <b>\$ 230</b>	<b>\$ 620</b>
<b>Transportation cost</b> Based on a 80 km round trip to disposal site. Truck operator averages \$1.65/km.	<b>10 wheels traditional truck</b> A 10 wheels traditional truck holds the contents of 3 septic tanks. <b>For 12 tanks, it must go 4 times to the disposal site.</b> 80 km x 4 trips x \$1.65/km <b>\$ 528</b>	<b>10 wheels Juggler™ truck</b> One 10 wheels Juggler™ truck holds the content of 12 septic tanks. <b>For 12 tanks only one trip to the disposal site is necessary.</b> 80 km x 1 trip x \$1.65/km <b>\$ 132</b>	<b>\$ 396</b>
<b>Time</b> Labour, including truck operator, averages \$70.00/hr.	<b>Tank collecting</b> 20 min/tank x 12 4 hrs <b>Transportation to disposal site</b> 1 hr (80 km round trip) x 4 trips 4 hrs <b>Sludge disposal at the disposal site</b> 20 min/trip x 4 trips 1 h 20 <b>9 h 20</b>	<b>Tank collecting</b> 25 min/tank x 12 5 hrs <b>Transportation to treatment plant</b> 1 hr (80 km round trip) x 1 trip 1 hrs <b>Sludge disposal at the treatment plant</b> 20 min/trip x 1 trip 20 min <b>6 h 20</b>	<b>3 hrs</b> Time saving Averages \$210

\* A 750 imp. gal. tank hold 590 proper imp. gal.

**TANK CAPACITIES**

Solids tank: front..... 2000 gal. (US)..... 3600 gal. (US)  
Water tank: back..... 1200 gal. (US)..... 1200 gal. (US)

**TANK SPECIFICATIONS**

Tank side walls ..... ¼" steel  
Tank head..... 3/8" steel  
Reinforcing rings..... 5" x 2" steel  
Solids tank inside anti-wave walls ..... ¼" steel

**ACCESS DOOR CONFIGURATIONS**

Solids tank: upper center, access door ..... 21" diameter x 15" height  
Water tank: upper center, access door ..... 21" diameter x 15" height  
Solids tank: lower front,passenger-side, access door 21" diameter x 12" extension

**LOADING**

Loading valve: located at back, passenger-side for separating process ... 3" diameter  
Loading valve located at back, driver-side for solids pumping..... 4" diameter

**UNLOADING**

Unloading valve: located at rear of unit... 6" diameter

**FILTER**

Filter flow capacity ..... 125 gpm  
Filter operating pressure..... 13 PSI  
Remote control reach ..... 300 ft

Optional Vacuum Configurations Available

**VACUUM SYSTEM**

Pump model :..... TRI-LOBES  
Maximum air displacement: ..... 1400 CFM  
Maximum vacuum rate :..... 27" HG  
Maximum pressure rate : ..... 10 PSI

**HYDRAULICS**

Tank capacity..... 45 gal. (US)  
Proportional hydraulic block valve ..... DANFOSS  
Return filter ..... outside of the tank  
Operating pressure..... 2300 PSI  
Dirt level indicator ..... on-tank  
Hydraulic oil heater..... optional  
Pump flow rate..... 14 GPM

**PRESSURE WASHER (OPTIONAL)**

Flow capacity..... 6 GPM  
Working pressure ..... 3000 PSI  
Hydraulic drive..... standard  
Hydraulic motor operating flow... 12 GPM@1800 PSI