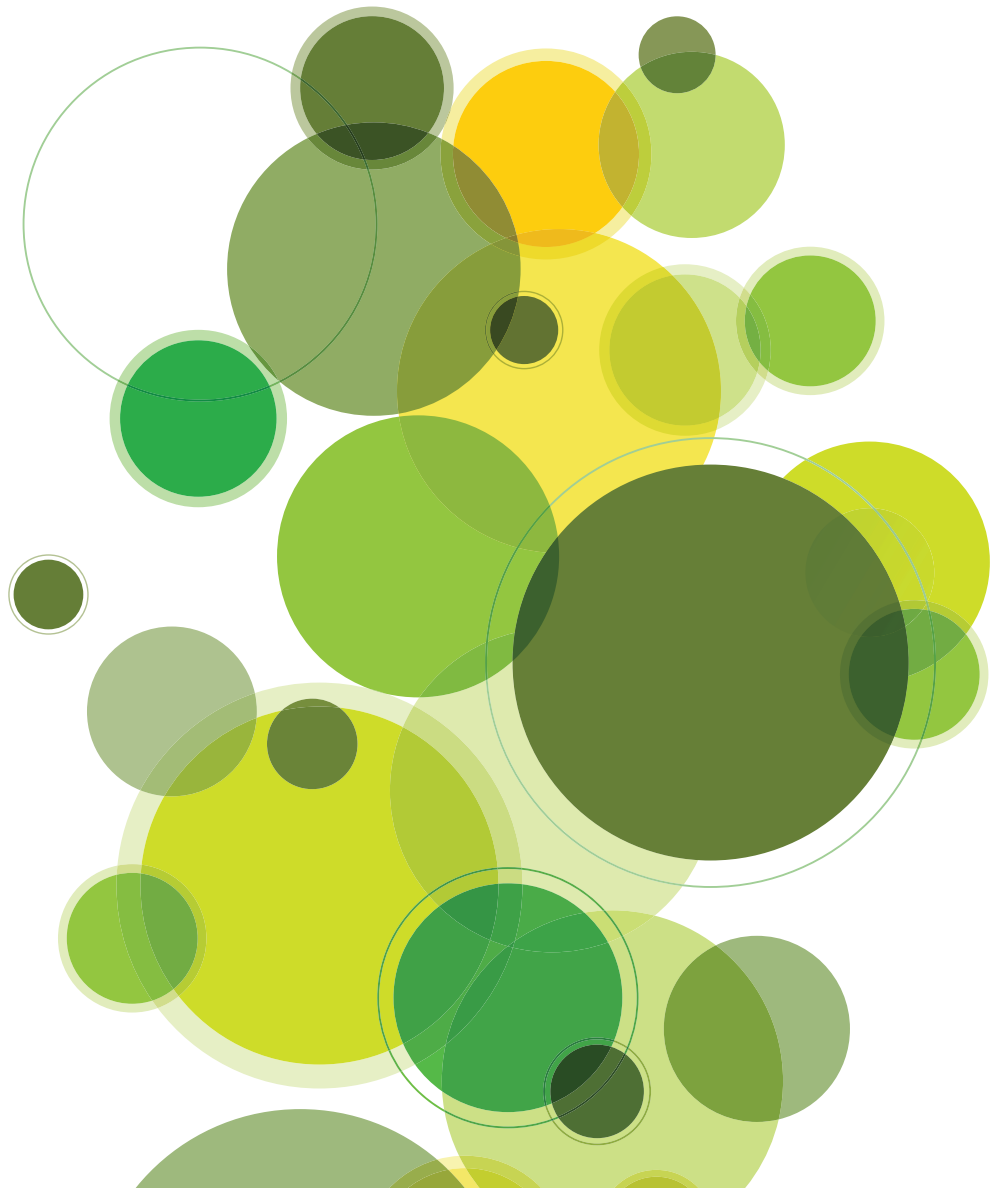




Graymills

PARTS WASHERS



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 Avflex, 108-110 Carnarvon St, Silverwater NSW 2128



Avflex
GLOBAL TECHNOLOGY – LOCAL SERVICE

www.avflex.com.au

Why Immersion Cleaning is Preferred

Immersion cleaning exposes all surfaces to the cleaning solution, including blind holes, recesses and small crevices. Immersion cleaning is non-abrasive and causes no marring of the parts finish. Complex, stacked or nested parts are no problem, unlike standard spray cabinet washers. Small parts can be cleaned in easy-to-handle batches.

By combining hands-off, total immersion cleaning, easy part load/unload, vertical lift platform agitation and optional Graymills Superflo™ pump jet action, Liftkleen™ Series parts washers offer an intensive, efficient immersion cleaning system that increases your productivity. The TR Series Liftkleens™ offer two sizes and many options, including pump, agitation, ultrasonics, and automatic control of cleaning cycles, that make it the easiest to use large cleaner series on the market.

Our in-house engineering department has the ability to customize tanks and systems to meet your needs. Contact the factory to initiate the discussion. We also offer test cleaning performed on your parts with your contaminants to guarantee the process and solution before you make this investment.

Details to lessen the work

- > One touch control of the pneumatic air-operated lift platform and electronic controls turns multi-function operation into a simple step
- > Total submersion of parts in the cleaning solution allows specifiable dwell time for the solution to thoroughly clean, with

- the ability to soak to loosen contamination before washing
- > Pneumatic platform and intermediate roller sections between units makes loading/unloading easy, reducing lifting and back strain

Powerful cleaning

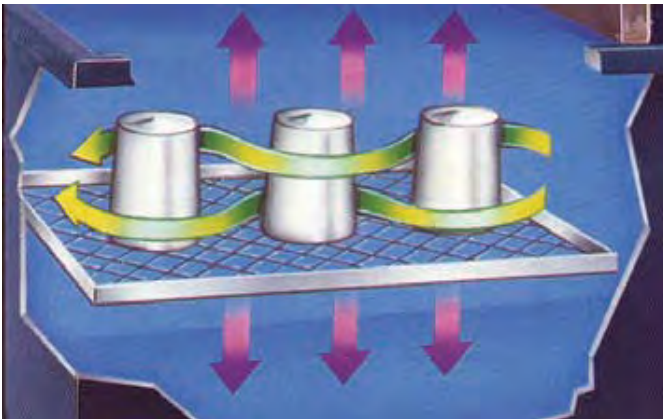
- > Optional Superflo™ Pump circulates cleaning or rinsing solution up to 3,000 GPH. Combines with vertical platform agitation for faster cleaning including crevices, blind holes and recesses.
- > Infinite options for customizing lift platform agitation for your unique application.
- > Dual Action cleaning is effective in both cold solvent and heated aqueous applications.

Well built for long life

- > Design your system to meet your needs: pre-wash, wash, ultrasonic wash, rinse, apply rust preventative, coatings, and dry modules available
- > Lift mechanism is entirely outside of tank for long service life
- > MIG welded tanks tested before shipped from plant
- > Fiberglass grate, mild steel or stainless steel optional
- > Stainless steel lined lids on all heated washers and dryers

Safety built into the machines

- > Auto-lid closes at beginning and opens at end of cycle or upon machine reset
- > Drain pans under roller sections keep liquids off floor



Dual Action Cleaning Option – Shortens Cleaning Cycle up to 40%

- > Optional Superflo™ Pump circulates up to 3,000 GPH
- > The Dual Action cleaning cycle combines vertical platform agitation with a Graymills Superflo™ centrifugal pump jet stream for faster cleaning including crevices, blind holes and recesses
- > Dual Action cleaning is effective in both cold solvent and heated aqueous applications



Parts are easily loaded on platform at tank top level
Auto lid closes as cycle begins



Start cycle lowers parts into solution
Fully immersed parts may be soaked and/or agitated with programmable cleaning



Auto-lid opens at end of cycle
Platform raises for draining and easy parts removal

LIFTKLEEN™

3
SERIES

OPTIONAL
STAINLESS
STEEL
PLATFORM
SHOWN

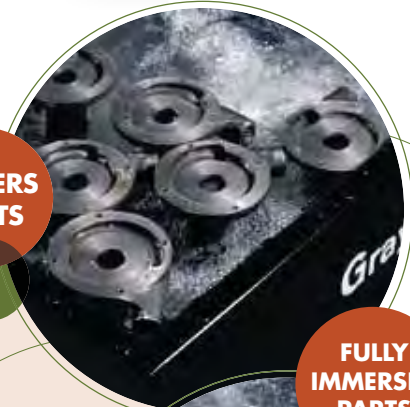


TR-SERIES

L-SERIES



LOWERS
PARTS



FULLY
IMMERSED
PARTS



AGRESSIVE
IN-TANK
AGITATION

WHY IMMERSION CLEANING IS PREFERRED

Unlike standard spray cabinet washers, immersion cleaning exposes all surfaces of the part, including blind holes and small crevices, to the cleaning solution. By combining hands-off, total immersion cleaning, easy part load/unload, vertical lift platform agitation and optional Graymills Superflo™ pump jet action, the **Liftkleen™** offers the most intensive, efficient immersion cleaning system available. Complex parts, stacked or nested parts are no problem.

The **TR, TL and L Series Liftkleens™** offers a variety of sizes and options, including pump, agitation, ultrasonics, and automatic control of cleaning cycles, that make it the easiest-to-use, large size cleaner on the market. One touch control of the pneumatic air system and electronic controls turns multi-function operation into a simple step.

TR-SERIES

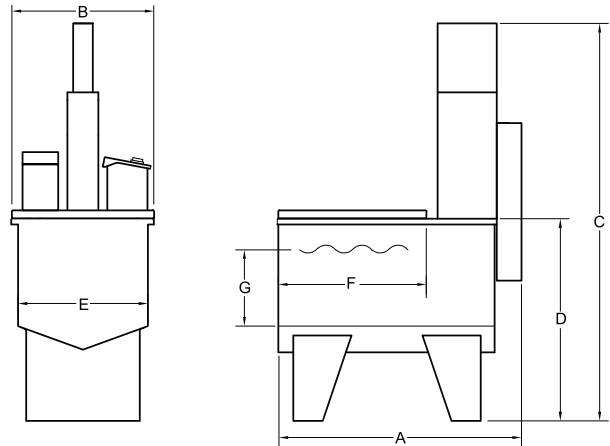
TURBO LIFTKLEEN™ SERIES

The **TURBO Liftkleen™ TR-Series** has been proven by years of tough field use in industrial, maintenance, heavy duty truck and automotive repair facilities. These automatic, agitating, immersion cleaning machines are solidly built for long service life. They are available for both heated aqueous and solvent cleaning applications.

The TR Series has a smaller footprint, liquid capacity and lift capability. They are widely used for job site “cell” cleaning in manufacturing, automotive and maintenance shops. They offer quick, thorough cleaning for smaller parts.

The TR-Series’ small foot print is ideal for cellular manufacturing and can be combined with other units (rinse tanks, dryers) to complete the cleaning process.

TR-SERIES TR24/TR36



MODEL NO.	A	B	C	D	E	F	G
TR24	41½"	24½"	66"	34½"	20½"	24"	12"
TR36	53½"	29½"	75"	34½"	25½"	34"	18"

DESCRIPTION	TR24	TR36
Immersion Space	24" x 20" x 12"	34" x 25½" x 18"
Overall Dimensions	39" x 24½" x 66"	50" x 29" x 75"
Liquid Capacity (gal)	47	118
Platform Dimensions	22" x 19"	32" x 24"
Standard Lift Capacity/PSI	150/90	150/90
Stroke Length	3"	3"
Air Inlet	¼"	¼"
Strokes Per Minute	40-60	40-60
Drain	2"	2"
Automatic Lid	Standard	Standard
OPTIONS	TR24	TR36
Pump Agitation Horsepower	½"	½"
Gallons per Hour	3,000	3,000
Voltage Options	115V/230V/460V	115V/230V/460V
Hertz Phase	60-1 or 3	60-1 or 3
Heater for water-based cleaning only 60-180° F	6.75kW	6.75kW
Roller Platform	*	*
Filtration System	*	*

* Available on this model, consult Graymills price list for specs

Special Options

- Electric heat
- Roller platform
- High power in-tank fluid agitation
- Turbo-boost filtration system (pg 27)
- Stainless steel interior
- Adjustable stroke frequency
- Low water heater protection
- Oil removal
- Cycle timer
- Filtration



ENDLESS COMBINATIONS TO DIAL INTO YOUR APPLICATION

CHARACTERISTICS

Graymills offers an unlimited number of combinations to solve industrial cleaning needs. If you don't see what you need in our lists, contact the plant or a representative to begin the discussion of developing the system that meets your specifications and handles the parts you are processing.

Our **TR-Series Liftkleens** consist of two sizes that work for most uses. They have a smaller footprint, liquid capacity and lift capacity. They are widely used for job site "cell" cleaning in manufacturing, automotive and maintenance shops.

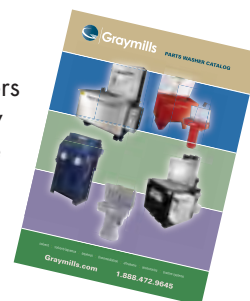
Our larger **L-Series Liftkleens** are for larger parts, heavier components. All lift platform components are outside the tank, eliminating the most common reason for failure in other machines. These larger units are the workhorse in today's manufacturing, maintenance and repair operations.

	TR SERIES LIFTKLEENS		L SERIES LIFTKLEENS
	TR2420	TR3626	(6 models available)
Platform Area (W x L)	19" x 22"	24" x 32"	36" x 24" up to 84" x 36"
Maximum Load Capacity	150 pounds	200 pounds	up to 1,8500 pounds
Fluid Volume	47 gallons	118 gallons	170 up to 670 gallons
Stainless Steel Construction	Available	Available	Available
Mild Steel Construction	Available	Available	Available
Automatic Lid	Standard	Standard	Standard
Maximum Agitation Stroke	3"	3"	5"
Adjustable Stroke	YES	YES	YES
Strokes Per Minute	40-80	40-80	25-40
Heater Capability	Available	Available	Available
Tank Insulation	Available	Available	Standard
Insulated Lid	Available	Available	Standard
Ultrasonic Cleaning	Available	Available	NO
Dryer Capability	Available	Available	Available
USAGE			
Wash	YES	YES	YES
Rinse	YES	YES	YES
Dip/Coat	YES	YES	YES
Dry	YES	YES	YES
OPTIONS			
Pump Agitation	Available	Available	Available
Filtration	Available	Available	Available
Turbo-Boost Filtration	Available	Available	Available
Oil Skimmer	Available	Available	Available
Oil Coalescer	Available	Available	Available
24/7 Heater Timer	Available	Available	Available
Increased Heating Ability	NO	NO	Available
Auto Water Fill	Available	Available	Available
Rotating Small Parts Basket	Available	Available	NO
Roller Platform	Available	Available	Available
Bridge Sections	Available	Available	Available

Graymills offers a Total Cleaning Perspective, with a complete line of parts washers in varying sizes and cleaning actions. Contact your local distributor or the factory for a catalog or more information. We recommend contacting your representative to set up a free cleaning analysis of your exact soils and parts.

No Confusion. No Risk. No Worries.

Graymills products are made in the USA, and are warranted worldwide.



Manufacturing Excellence since 1939

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GS07F5729P



Small Business, Women-Owned

GA537_0814

TURBOBOOST/OSEP-5S

HIGH VOLUME FILTRATION & AGITATION

The **Turbo-Boost** System draws contaminated aqueous or non-flammable solvent parts cleaning solution from the tank through a strainer basket that eliminates large particulate. Remaining contaminants are collected in a replaceable, disposable filter bag. Clean, dual-filtered detergent is pumped back to the parts washer through **Turbo-Boost** eductor nozzles. Entire fluid volume is continuously filtered at a rapid rate creating aggressive agitation to the cleaning process.



FILTRATION DOWN TO 0.5 MICRON

TBF

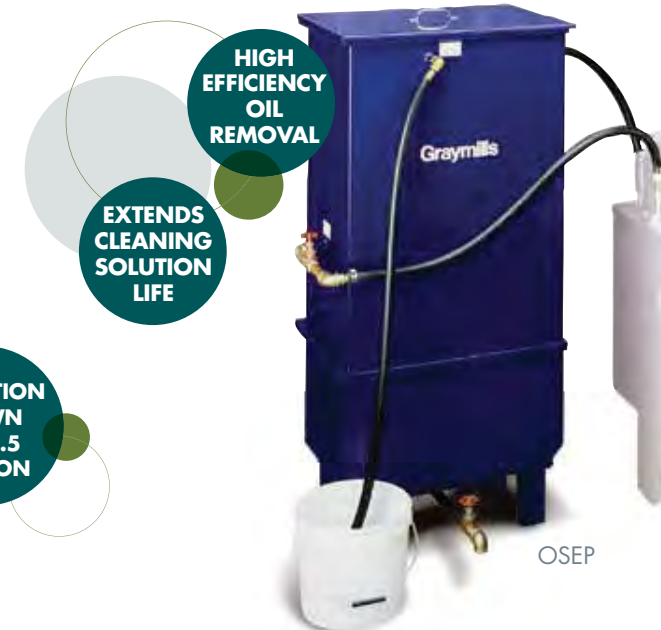
Turbo Boost Benefits

- Continuous filtration with filters available as fine as 0.5 micron
- Returns clean, filtered fluid to the tank
- Aggressive agitation for increased cleaning action
- Eliminates contaminant buildup in corners of tank
- Cleaning solution life extended by removal of particulate
- OPTIONAL** Service beacon to alert user when filter bag replacement needed.

Highly Efficient Oil Removal

- A** Inlet valve controls flow at 5GPM to assure sufficient time
- B** Oily cleaning solution enters larger separator chamber
- C** Oil adheres to polypropylene spheres which are non-wearing and require no replacement
- D** Formed droplets separate and rise to the surface
- E** Oil layer gravity feeds to external container for proper disposal, reuse or reclamation
- F** Separated fluid passes under baffle to second chamber
- G** Virtually oil-free detergent solution flows back to parts cleaner
- H** Bottom drain facilitates clean-out when required

The oil separator is intended for water-based cleaning solutions and will not function with solvent-based cleaning fluids. Systems that do not have a recirculation pump require the separator to be equipped with its own pump. Consult customer service for details at 773-248-6825.



HIGH EFFICIENCY OIL REMOVAL

EXTENDS CLEANING SOLUTION LIFE

OSEP

Standard Oil Coalescer features

- Extends cleaning solution life
- Oil separation
- Continuous oil removal
- Returns cleaning fluid virtually oil-free to the parts washer
- Draws off oils for reclamation
- Stainless Steel construction
- Operation without outside power source
- OPTIONAL** Connection kits to various parts washers available (consult factory)

MODEL NO.	DIMENSIONS	CAPACITY	FLOW RATE
OSEP-5S	30" x 21 1/2" x 59 1/2"	120 gal	5 GPM

