

R22 SERIES



HILLYARD
The Cleaning Resource®

TRIDENT®

Better Built. Better Equipment.

Better Built. Better Equipment.

Our Trident Brand of equipment starts from the ground up - at a place where intelligent design intersects with innovative technology and exceptional engineering to deliver superior cleaning equipment. Cleaning equipment that lowers your total cost of ownership, reduces your cost to clean and improves cleaning results. It's what you expect out of your equipment investment, and it's what we deliver. We're Hillyard, The Cleaning Resource, since 1907.



Intelligent
Design



Exceptional
Engineering



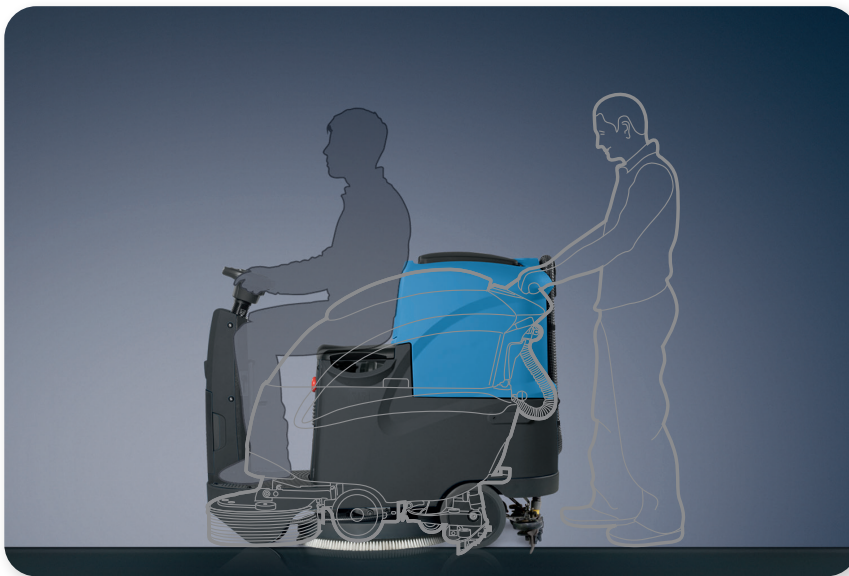
Innovative
Technology





Why Walk... When You Can Ride!

Double The Productivity Of A Walk-Behind Scrubber - In The Same Space!



Over
32,000 Sq. Ft.
Per Hour

R-225C Ride-On

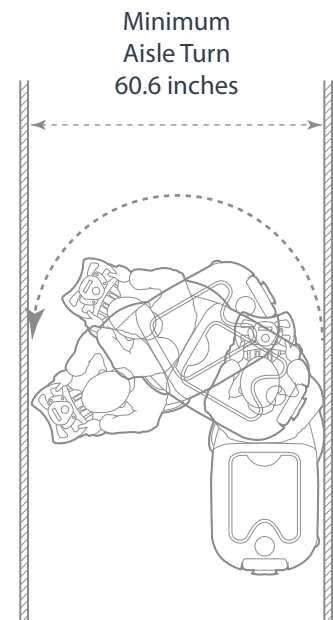
16,000 Sq. Ft.
Per Hour

20 in. Walk-Behind

Ease-Of-Use

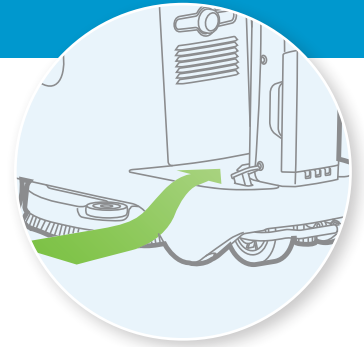
Yellow Color-Coded Parts

Parts that should be cleaned daily are color-coded in yellow. This saves time and makes sure your scrubber is kept in perfect condition at all times.



Performance & Safety

Outstanding Traction, Maneuverability and Cleaning



The lowered footboard and access from both sides make it safer and more practical.

Eco Mode

The low sound level - 54 Db (A) - means the machine can be used anywhere, at any time, without disturbing the people nearby and safeguarding the operator's health. Eco Mode also saves energy.



Emergency Stop

By pressing a single button the machine stops immediately.

Stability

Low center of gravity and excellent weight distribution ensures the utmost stability even on slopes.

Speed Control

Automatically reduces speed on curves and turns.

Standard Onboard Charging

Both R22SC models come with onboard battery charging, simplifying recharging.



Stop & Go Control

Automatically stops when pedal is released.

Anti-Turnover

Molded in anti-tip block.



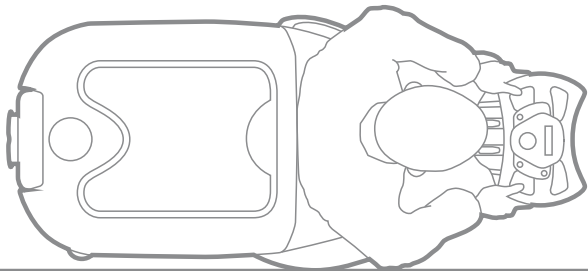


Clean Everywhere

Boldly Go Where Others Can't

The R22SC scrubs and dries in the same areas where a walk-behind scrubber would normally be used, but it's faster and more comfortable.

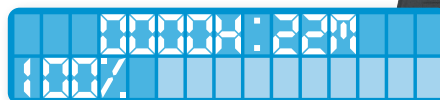
The operator remains comfortably seated and can easily move in limited spaces, quickly passing from one area to another - even in an elevator - in total safety without having to get off the machine.



Clean Right Up to the Wall

Ergonomic Controls and User-Friendly Display

Ergonomic steering wheel with controls and display to make driving intuitive and safer. The operator isn't distracted, and the scrubbing functions are activated without hands ever leaving the driving wheel.





Better Built. Better Equipment.

Join The Connected Cleaning World*

Keep tabs on your machines remotely whenever you want and from wherever you want!



Hillyard Fleet Management



GEOLOCATION

Know where your machines are.



USAGE DATA

Know who's using your machine and how it is being used.



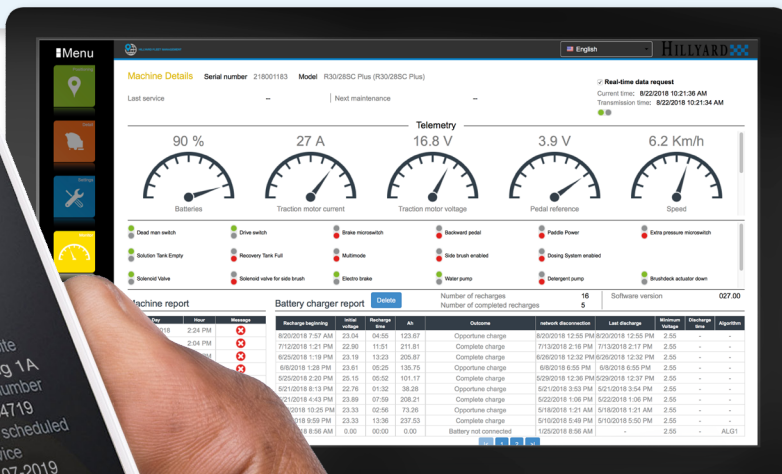
MAINTENANCE

Know the health status of machines.



TELEMETRY

Critical machine data is always being monitored for peak performance.



My.Equipment

Discover the HFM universe and experience the advantages of being constantly connected with the My.Equipment app!

An authorized Hillyard Trident Service Center can also view real-time telemetry data, diagnose systems, and update settings over the internet - keeping your equipment running at peak performance - and minimizing downtime.



* Requires optional Hillyard Fleet Management module and subscription.

Standard and Optional Equipment

• STANDARD ○ OPTION - NOT AVAILABLE

User Experience	R22SC Pro	R22SC Pro - Orbital
LCD Display	•	•
Comfort		
Hour Meter	•	•
Cleaning Solution Level Indicator	•	•
Onboard Battery Charger	•	•
Automatic Brush Coupling/Uncoupling	•	-
Brush Actuator	-	•
Brush Head Manual Lifting	•	-
Squeegee Manual Lifting	•	•
Productivity		
Water Flow Selector	•	•
Tri-Level Pressure Selector	-	•
HFM - Hillyard Fleet Management	○ - HIL228065*	○ - HIL228065*
Aluminum Squeegee Support	•	•
Safety		
Emergency Stop	•	•
Electro Parking Brake	•	•
Environment		
TES - Trident Energy Saver	•	•



*Dealer Installed Option





Specifications		R22SC	R22SC - Orbital
Hillyard Item Number		HIL56010	HIL56008
Cleaning Path	In	22	20
Squeegee Width	In	28	32
Disc Brushes	(No.) In	(1) 22	n/a
Rectangular Pad	In	n/a	(1) 14 x 20
Oscillations Per Minute	(No.)	n/a	2,000
Solution Tank	Gal	17.2	17.2
Recovery Tank	Gal	19.8	19.8
Supply/Traction	V	24/Automatic	24/Automatic
Acoustic Level (Iso 11201)	Db (A)	<62	<62
Brush Motor(s)	(No.) V/W	(1) 24/450	(1) 24/600
Vacuum Motor	V/W	24/118	24/118
Traction Motor	V/W	24/300	24/300
Brushes RPM	RPM/Min.	140	n/a
Brush Pressure	Lb	55	66-111
Forward Speed	MPH	0 - 3.4	0 - 3.4
Minimum Aisle Turn	In	60.6	60.6
Gradeability	%	10	10
Productivity	Sq.ft/Hr	32,000	32,000
Battery Compartment Dimensions (L,H,W)	In	14.3, 11.4, 13.9	14.3, 11.4, 13.9
Machine Dimensions (L,H,W)	In	49.8, 40.6, 23.6	49.8, 40.6, 23.6
Charging System		Onboard	Onboard
Machine Weight (Without Battery)	Lb	243	243
Contents		1 - Machine 1 - Nylon Brush 1 - Pad Holder 1 - Charging Cord 1 - Owners Kit	1 - Machine 1 - Charging Cord 1 - Owners Kit

Squeegee Replacement Guide	R22SC	R22SC - Orbital
Front & Rear Squeegee Kit	HIL219451	HIL221391

Brush and Pad Guide	R22SC	R22SC - Orbital
Brush(es) - Medium, 0.6MM PPL, White (Standard)	HIL436233	n/a
Brush(es) - Stiff, 0.9MM PPL, Black	HIL436234	n/a
Pad - Red	HIL42222	HIL41420

Battery Recommendations - Sold Separately	Discover Energy	Trojan	U.S. Battery
Type	AGM	Wet	Wet
Quantity Required	2	2	2
Size	12V / 115 Ah	12V / 130 Ah	12V / 130 Ah
Dimensions (L,W,H - Inches)	13 15/16 x 6 3/4 x 9 3/8	13 15/16 x 6 3/4 x 9 3/8	13 x 6 3/4 x 9 5/8
Weight (Each), Lbs.	72	66	66
Hillyard Item Number	DIEEV31AA	TRO30XHS	UBMUS31DCXC2



The Cleaning Resource®

PO Box 909
St. Joseph, MO 64502
www.hillyard.com

LIT-R22SC_FULL-0519

Subject to change without notice.

The battery that's always ready for work!



No more watering or waiting to charge

Virtually maintenance-free NexSys® PURE batteries never need watering, so there's never a risk of spills on clean floors. Thanks to Thin Plate Pure Lead (TPPL) technology, NexSys PURE batteries provide longer life, lower corrosion rates and higher energy throughput.

A safer, cleaner choice for carpets and public spaces

Sealed NexSys PURE batteries generate minimal gassing, so they are a great option for retail or public environments. With a shelf life of up to two years, NexSys PURE batteries will be ready to go after sitting idle for months. They can also be full fast charged in less than two hours and opportunity charged during breaks or whenever convenient. Plus, NexSys PURE batteries have integrated data communication tools that issue automatic alerts when it's time to recharge and capture operating data for battery monitoring.

Thin Plate Pure Lead (TPPL) Design

NexSys® PURE batteries are constructed with pure lead plates. Pure lead plates are extremely thin, so more of them fit into the battery. More plates mean more power – up to 20% more power than the same sized conventional flooded battery.

Superior Storage Life

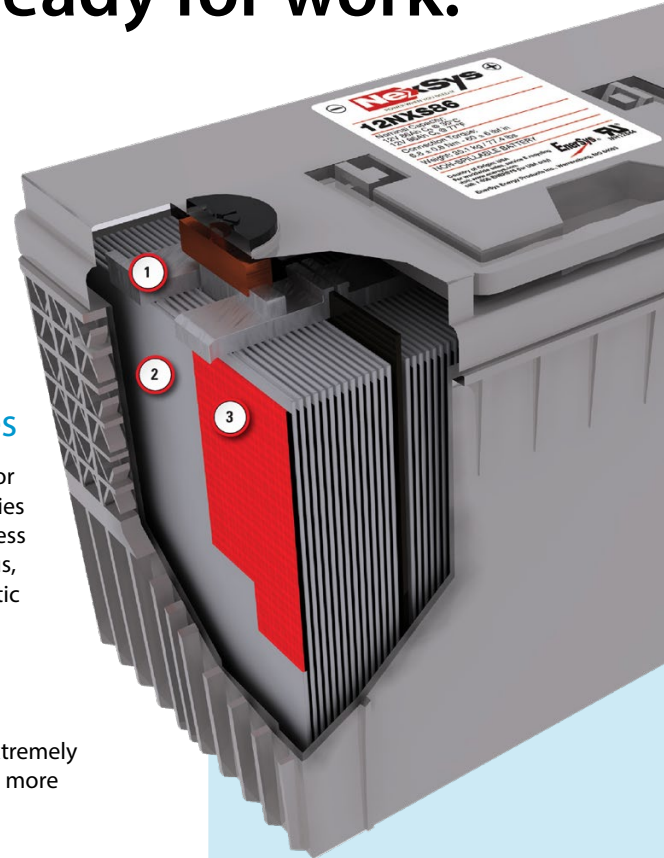
NexSys PURE batteries will be ready for work even after months of inactivity – when fully charged, NexSys PURE Gen 1 batteries have a storage life of up to 24 months and NexSys PURE Gen 2 batteries will last up to 18 months.

Protection from Over-Discharge™ - POD™

To support frequent charges, NexSys batteries are equipped with a Protection from Over-Discharge™ (POD™) device that analyzes battery voltage and State of Charge (SOC) during operation and storage. The device issues audible and visual reminder alarms when the battery requires charging.

Full Replacement, 3 Year Warranty Coverage

When installed in Hillyard Trident Equipment, and recommended operating procedures are followed, the EnerSys Nexsys platform offers 3 years full replacement as long as the POD was installed. Effective from date of invoice.



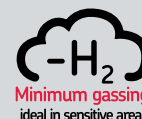
- 1 Robust Connections**
 Cell connectors are cast on the plates and bonded to resist vibration.
- 2 Pure Lead Plates**
 Constructed of 99% pure lead, the plates are extremely thin so more of them can fit in the battery.
- 3 Compressed Plate Separators**
 Separators are compressed before being inserted in the case for extreme vibration resistance.



No watering, battery cleaning or long equalize charges



Optimized cycling performance and high energy throughput



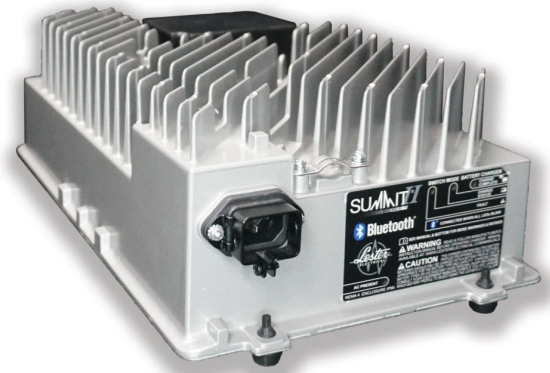
Minimum gassing and sealed



Cell connectors are cast and bonded to the plates



SUMMIT SERIES® II CHARGERS



BLUETOOTH®

Featuring Bluetooth wireless communication with apps for Apple® and Android™ phones and tablets. View charge cycle status, select the active battery profile, upload new profiles, change between on-board and off-board and download charge history records anytime using just a smart phone or tablet.



PERFORMANCE

Our Summit Series® II provides industry-leading charging performance and intelligence. Our proprietary Progressive DV/DT™ charge algorithm ensures a precisely charged battery every time. The chargers are tested in extreme temperatures and operating conditions and built to last.



EFFICIENCY

Our switch mode (high frequency) chargers have best-in-class efficiency and are compliant with the latest DOE and CEC, standards. We operate a CEC approved laboratory in our Lincoln, NE manufacturing plant.

Full Replacement, 3 Year Warranty Coverage

Three year full replacement from the date of invoice.

Scrubber		Foam Inserts		Battery									Charger					
Model	Item No	Insert-A 1/machine unless noted	Insert-B 1/machine unless noted	Qty	Hil Item No Prefix (EnerSys Block In Bold)	Bat Ah @C5	Dimensions			Wt. Lbs.	Ah @17% charge rate/ hr	Charger Min Amp Output	EnerSys POD	Lester Model	Hil Item No	Charging Battery Profile #	OnB Charger Bypass	Spare Hardware Kit
							L	W	H									
B20SC*	HIL56003	n/a	n/a	2	ESY12NXS86	86	12	7	9	77.4	14.7	17	ESY6LA11921	650	HIL34787	22657	N/A	Local Source
T20SC Pro	HIL56005	n/a	n/a	2	ESY12NXS120	120	13.5	7.25	11	94.8	20.4	21	ESY6LA11921	650	HIL34787	22659	HIL436428	ESY32079818
T20SC Pro Orb	HIL56006																	
T26SC Plus	HIL56007																	
R22SC Orb	HIL56008																	
R22SC	HIL56010																	
R26SC Plus	HIL56026																	
R26SC Pro	HIL56027																	
R30SC	HIL56009	HIL36000	HIL36003	2	ESY12NXS157	157	17.5	7	10.5	117	26.7	27	ESY6LA11921	1425	HIL34788	22854	HIL436428	ESY23010422
R30SC Plus	HIL56011	HIL36000	HIL36003															
R28SC Plus Orb	HIL56012	HIL36000	HIL36003															
T28S Pro	HIL56028	HIL36002	n/a															
T30SC Pro	HIL56029	HIL36002	n/a															
R36S Plus**	HIL56013	HIL36001	HIL36000 requires 3	3	ESY12NXS186	186	22	5.25	12.75	131.1	31.7	33	ESY6LA11921	1425**	HIL34788	22806	n/a	ESY32079819
R36SC Plus**	HIL56020																	

*B20 also requires LE543844 adapter cable. ** Charger set up for R36 models also require adapter cable HIL449979.