

TRIDENT®

by HILLYARD



Soft Floorcare Series

Better Built. Better Equipment.

HILLYARD

The Cleaning Resource®

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**



Carpets and Rug Institute Approved

CRI has developed the carpet industry's only scientific program to test and measure the effectiveness of cleaning products and equipment. The results help consumers make informed decisions and manufacturers improve their products. So, carpets are cleaner, healthier and last longer. Everyone benefits. Trident EX Series extractors and V Series upright vacuums carry the CRI Seal of Approval.

Carpet Extractors



	EX7	EX8	EX12	EX20
Hillyard Item Number	HIL56084	HIL56085	HIL56086	HIL56087
Working Width	15 in	15	18	18
Productivity (practical)	2,100 sq. ft./hr	2,500	3,200	5,000
Brushes (cylindrical)	15 in	15	18	18
Brush Speed	1,000 rpm	1,000	1,000	1,000
Flow Rate	0.57 gpm	0.57	0.63	1.00
Vacuum Shoe	17" cast aluminum spring-loaded down pressure	17" cast aluminum spring-loaded down pressure	20" clear plastic spring-loaded down pressure	22" wide, cast urethane floating and pivoting
Solution Pump	90 PSI, diaphragm style internal bypass	100 PSI, diaphragm style internal bypass	100 PSI, diaphragm style internal bypass	100 PSI, diaphragm style demand pump
Solution Spray	2 quick change jets	2 quick change jets	2 quick change jets	2 quick change jets
Solution Tank Capacity	7 gal	8	12	20
Recovery Tank Capacity	7 gal	8	12	20
Electrical	115 V, 15 A, 60 HZ	115 V, 15 A, 60 HZ	115 V, 15 A, 60 HZ	115 V, 15 A, 60 HZ
Vacuum Motor	3-stage, 1.5 hp, 100 cfm	3-stage, 1 hp, 99 cfm	3-stage, 1 hp, 99 cfm	3-stage, 1 hp 99 cfm
Power Cord	50 ft	50	50	75
Drive System	Brush Assist	Brush Assist	Brush Assist	V.S. Transaxle*
Acoustic Level	69 dBA	68	69	69
Wheels	2 - 10" dia	2 - 10"	2 - 10"	2 - 4" front / 2 - 10" rear
Weight	87 lbs	92	105	217
Dimensions (l x h x w)	41 x 34 x 17.5 in	45 x 36 x 17.5	28 x 46 x 24	49 x 41 x 22
Included Accessories	-	-	-	Brush, 18 in. L X 4.5 in. OD Jet, Mini PROMAX 9504
CRI Approval	Yes	Yes	Yes	Yes

ICS17 - Interim Cleaning System

The ICS17 Interim Cleaning System is used with Hillyard Deep Action® as a low moisture encapsulation carpet cleaning process that removes soil while improving the overall carpet appearance; carpet dries in about 20 minutes while reducing water and detergent consumption.

- Two counter-rotating brushes to effectively clean and agitate both sides of the carpet nap.
- Counter-rotating brushes lift and groom the carpet pile, while the debris bin catches soil and debris.
- Built-in on-board spraying system for increased productivity.

Hillyard Item Number		HIL56089
Working Width	in	17
Brushes - 2 Cylindrical	in	16
Motor	hp	0.5
Brush Speed	rpm	470
Power Cord	ft	40
Acoustic Level	dBA	66
Weight	lbs	55
Tank Capacity	gal	2
Dimensions (l x h x w)	in	15.25 x 45.5 x 18

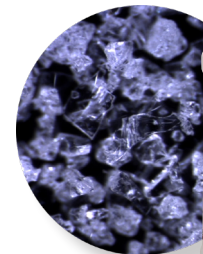
Interim Cleaning Process

1. Pre-Spray With Hillyard Deep Action
2. Agitate Carpet with the ICS17
3. Allow Carpet to Dry to Touch, Vacuum



Hillyard Crystalline Encapsulation

Deep Action®, formulated as a multi-dimensional surfactant, acrylic polymer blend, magnified 51 times under a microscope, encapsulates soil and dries as clear crystals.



Restorative Extraction Processes

1

Pre-Spray Method

More Dwell Time, Better Results

1. Pre-treat with Hillyard Carpet Pre-Spray
2. Extract with Hillyard Extraction pH Rinse or Carpet pH Rinse

2

"In-The-Tank" Method

Faster Process, Good Results

- Extract with Hillyard HD Extraction



When the "In-The-Tank" method is used, extraction chemical is applied to the carpet and then it is immediately extracted out without any dwell time. You will get good results, however, the pre-spray method will yield even better results.



	V12S	V15S	V12XP	V15XP	V14D	V18D
Hillyard Item Number	HIL56080	HIL56091	HIL56081	HIL56090	HIL56082	HIL56083
Working Width	12	15	12	15	14	18
Productivity (practical)	2,510	3137	2,655	3451	3,659	4,000
Dust Bag (triple layer)	323	323	323	323	18	18
Motors	1	1	1	1	2	2
Motor Power	1,200	1,200	1,200	1,200	1,000 vac / 150 brush	1,000 vac / 200 brush
Air Flow	105	105	105	105	117	117
Power Cord	40	40	40	40	40	40
Acoustic Level	69	69	69	69	64.5 - 66.5	64.5 - 66.5
Weight	18	18	18	18	20	21
Height	46	46	46	46	48	48
CRI Approval	Yes	Yes	Yes	Yes	Yes	Yes
Dust Bag - 10/pk	HIL71018	HIL71018	HIL71018	HIL71018	HIL71017	HIL71017
Micro Hygiene Filter (Replace every 20 bags)	HIL71022	HIL71022	HIL71022	HIL71022	-	-

MS2 Mini-Spotter

Portable and lightweight, the MS2 is the convenient and easy-to-use option for spot removal.

- Quickly remove spots in carpet and upholstery.
- Lightweight and portable design makes extraction easy.
- Translucent recovery tank makes it easy to see recovery water level.
- Two-gallon capacity delivers easy cleaning of carpet spots/stains.
- Clear hand tool shows cleaning results.
- 1.16 hp vacuum motor and 55 psi pump provide more cleaning and drying power.



Hillyard Item Number		HIL56088
Solution Tank Capacity	gal	2
Recovery Tank Capacity	gal	2
Pump	psi	53
Vacuum Motor		1.16 hp, 2-stage
Power Cord	ft	25
Hose Standard Coupling	in	96 x 1
Weight	lbs	18
Dimensions (l x h x w)	in	19 x 16.5 x 10

FD15 Floor Dryer



The FD15 is a compact, 3-speed, powerful blower, able to dry surfaces within a very short time. It is ideal to dry carpets cleaned with extraction machines, and it can be used on a wide variety of surfaces. Turn it on and run it without the timer, or set the timer to stop it after a selected time period.

Hillyard Item Number		HIL56015
Power Supply	v/Hz	115/60
Power	w	520
Air Flow	cu.ft/min	2,400
Fan Rotation	rpm	950/1150/1350
Cord Length	ft	50
Machine Weight	lb	22
Machine Dimensions (l x w x h)	in	15.9 x 16.6 x 16.9

Extractor Accessories

Hillyard Item No.	Description
WIN86000010	Deluxe hand tool kit (includes 12-foot vacuum/solution hose, carrying bag)
WIN86000600	Deluxe professional wand with high temp hose, 500 psi
WIN86000610	Standard wand
WIN86004140	Hose assembly 12 foot x 1.5 inches vac x 250 psi solution hoses
WIN86004150	Hose assembly 16 foot x 1.5 inches vac x 250 psi solution hoses



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Subject to change without notice.
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