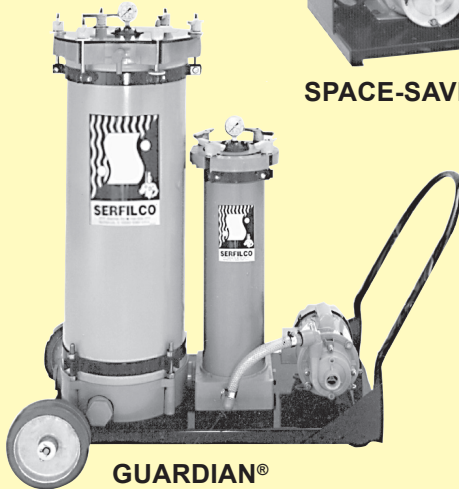




LABMASTER®



SPACE-SAVER®



GUARDIAN®



GUARDIAN® "SPECIAL"

- **For PRECIOUS METAL RECOVERY**

These resin systems can recover gold and other metals from plating operations easily and economically. Select the proper resin for gold recovery from acid or cyanide rinse water. Depth of resin column assures good solution contact for maximum metal recovery. Gold is recovered by incinerating the resin. Units have early payback; one cubic foot of resin can retain 70 to 100 troy ounces of gold.

- **For HEAVY METAL REMOVAL/RECOVERY**

Recover heavy metals from metal finishing rinse water and printed circuit board manufacturing. Effluent is suitable for discharge or bath replenishment. Concentrated regenerate can be chemically treated for disposal or possible recovery.

- **For WATER PURIFICATION**

Units provide high quality deionized water when filled with a strong base mixed-bed resin. Product water is low in dissolved solids, CO₂ and silica, with a resistivity of 10 megohms or higher. Resin has built-in resistance color indicator, changing from purple to golden brown to indicate resin exhaustion.

- **NON-METALLIC SOLUTION CONTACT**

- **MAGNETIC COUPLED PUMP (Systems)**

- **EASY SERVICING WITHOUT TOOLS**

CONSTRUCTION

Chambers are available in translucent PVC, PVC, or fiberglass reinforced polyethylene shell, in sizes from 0.15 to 15 cubic feet of resin. Built-in strainers help prevent resin migration. Seal-less magnetic coupled pumps provide leak-proof operation with minimal maintenance. All systems are mounted on a base, ready to connect and operate.

PLUS OPTIONAL . . .

FLOW CONTROL VALVE – For most effective exchange. Recommended to control flow through resin.

RESIN CANISTER CHAMBER – For convenient refill of resin. Trap filters are 30 micron depth wound cartridges.

CHOICE of SYSTEMS – with or without PRE-FILTERS

Pre-filters are highly recommended to remove suspended solids that decrease resin capacity. Installed in-line upstream of the resin, filter can be ordered with the unit or installed separately. Must be sized according to dirt load and volume to be treated.



SYSTEMS

For precious metal recovery, heavy metal removal/recovery or purification of rinse water using standard resins.

Systems are assembled with or without a pre-filter chamber (CPVC base & cover with translucent PVC shell) for depth wound cartridges as indicated, followed by a refillable resin chamber with CPVC cover and base and PVC (PL) shell or translucent PVC shell (PCL), with 250 micron polypropylene strainers to prevent resin migration.

The pump is magnetic coupled, made of glass filled polypropylene. Systems include reinforced vinyl (PVC) hose, CPVC fittings and corrosion resistant base.

To maintain an effective resin surface, these systems should be used in conjunction with suitable filtration systems to remove the bulk of solids from the solution being treated. The pre-filters offered on these systems are sized to hold only the solids which have not been removed by the main filter.

Filter cartridges² and resin³ ordered separately

MODEL	FLOW RATE ¹	MAXIMUM FLOW RATE	MAX PSI	RESIN CHAMBER (cu. ft of resin) ³	FILTER CHAMBER (recommended depth cartridge) ²	HT. (in.)	TEFC MOTOR	SHIP. WT. (lbs.)	PRICE CODE NO.
	GPH								

LABMASTER SYSTEMS FOR BULK RESIN - (A) without pre-filter and (B) with pre-filter

(A) PCL430R 5/8V AAPSV	30	100	8	.15	--	41	1/12 HP 115V/1/50-60	37	0365 A
(B) PCL430R x PCL10 5/8V AAPSV					1 of 15U10U			45	0326 A

System is mounted on a PVC hooded base.

To order system with canister for resin, change **R** to **RC** in Model No. and add **C** to Price Code No.

SPACE-SAVER SYSTEMS FOR BULK RESIN - (A) without pre-filter and (B) with pre-filter

(A) PL630RS 3/4V BAPSV	100	480	13	.5	--	47	1/6 HP 115/230V/ 1/60	95	0383 C
(B) PL630RS x PCL20 3/4V BAPSV					2 of 15U10U			105	0380 D
(A) PCL630RS 3/4V BAPSV	100	480	13	.5	--	47	1/6 HP 115/230V/ 1/60	95	0384 A
(B) PCL630RS x PCL20 3/4V BAPSV					2 of 15U10U			105	0380 C

System is mounted on a PVC hooded base.

To order system with canister for resin, change **RS** to **RCS** in Model No. and add **C** to Price Code No.⁴

To order system with bag resin (one .5 cu. ft. bag), change **RS** to **RBS** in Model No. and add **B** to Price Code No.

GUARDIAN SYSTEMS FOR BULK RESIN - (A) without pre-filter and (B) with pre-filter

(A) PL1230RS 3/4V MPLCR 1A-C.5	300	1200	19	1.8	--	53	1/2 HP 115/230V/1/60	115	2705 B
(B) PL1230RS x PCL20 3/4V MPLCR 1A-C.5					2 of 15U10U			125	2706 B

System is mounted on a vinyl coated steel base.

To order system with canister for resin, change **RS** to **RCS** in Model No. and add **C** to Price Code No.⁴

To order system with bag resin (two .9 cu. ft. bags), change **RS** to **RBS** in Model No. and add **B** to Price Code No.

¹ Recommended flow rate for maximum metal recovery.

² See product bulletin to order filter cartridges.

³ Refer to resin table on next page.

⁴ With canister, total resin capacity will be half and flow rates will be lower.



OPTIONAL EQUIPMENT

DESCRIPTION		FOR SYSTEM	Add to MODEL NO.	PRICE CODE NO.
Flow control valve	1/2" NPT 3/4" NPT	Labmaster, Space-Saver, Guardian	-V1	0981 0984
Motor starter w/overload protection, pushbutton, NEMA 4 watertight, 115V/1/50-60		Labmaster, Space-Saver, Guardian	-ST4	MS1P
Portable - two wheels		Space-Saver	-P	0378
Portable - two fixed wheels, two swivel casters		Guardian		0454
Priming chamber		Guardian	-PC4	PC4

RESIN (initial and replacement)		1.0 cu. ft.*
		Price Code Number
For precious metal recovery	Alkaline	1316
	Acid	1322
For deionizing water, mixed bed resin		(DWI) 1328
See Bulletin R-208 for other resin selections		

* To order .25 cu. ft. add .25 to Price Code Number
To order .5 cu. ft. add .5 to Price Code Number.

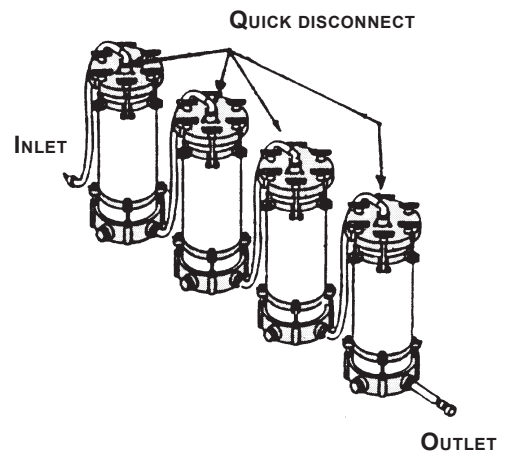
CUSTOM ION EXCHANGE SYSTEMS

This wide selection of resin chambers allows us to offer a variety of custom systems to meet most specific requirements and add to total resin volume for extended recovery.

All systems are connected with vinyl hose and quick disconnect couplings allowing individual chambers to be removed for regeneration without shutting down the system. All systems offer easy operation and service for exhausted resin.

Pre-selected models listed below are 4-chamber models. Systems can be ordered with 2, 3, 4 or more resin chambers in series or parallel to meet a wide range of required resin capacities and flow rates. Systems can be ordered with or without pump and on a square or rectangular base, all ordered separately - consult Sales Department.

Bag chambers available for either one .5 cu. ft. bag or two .9 cu. ft. bags. With the choice of additional chambers, the amount of cation versus anion resin can be adjusted as required.



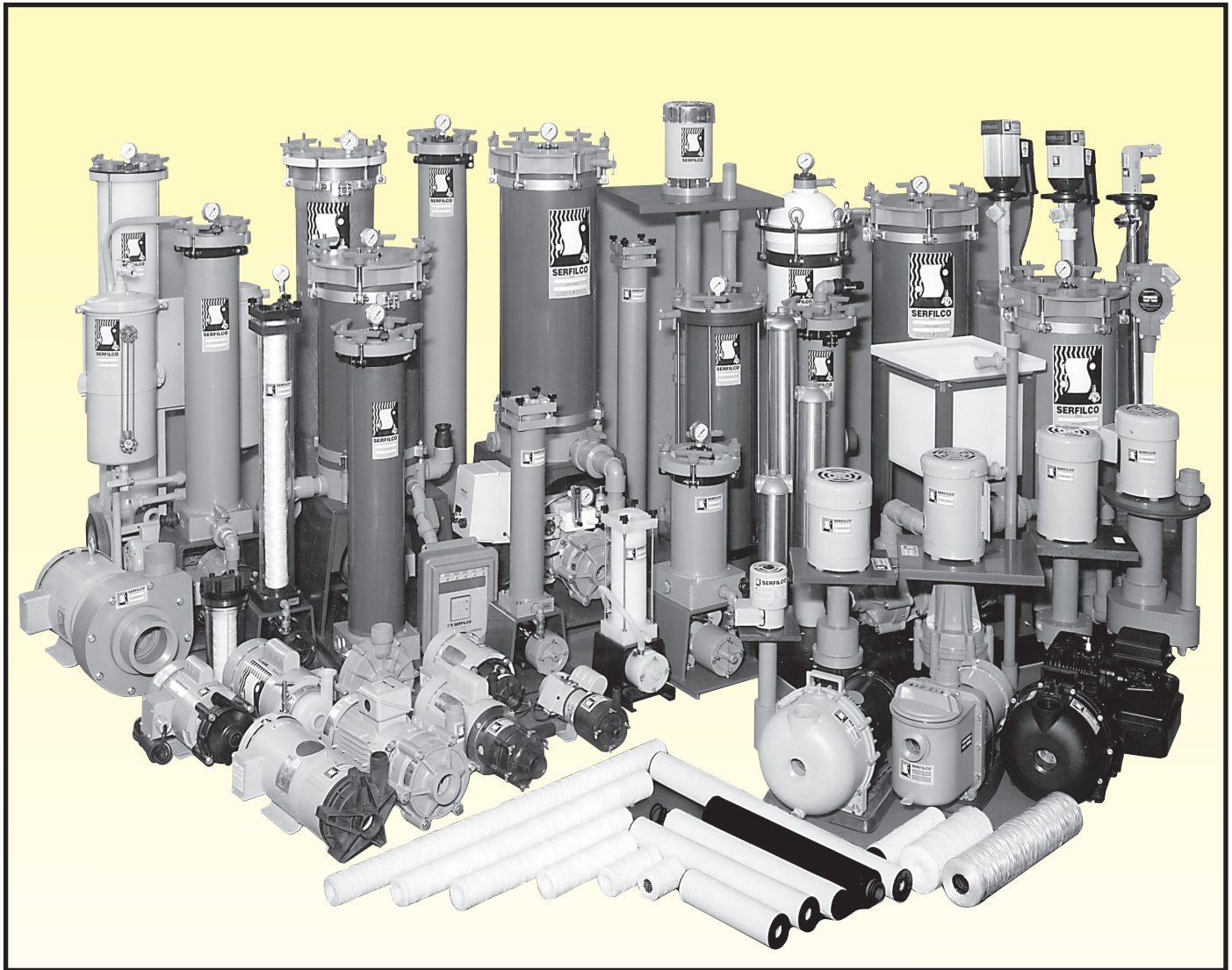
MODEL PL1230RS x 4 1V

Pre-selected 4-chamber models

MODEL NUMBER	CU. FT. OF RESIN	PRICE CODE NO.
PL630RSx4 3/4V ¹	2	2860
PL640RSx4 3/4V ¹	2.4	2861
PL1230RSx4 1V ¹	7.2	2863
PL1250RSx4 1V	12.0	2864

¹ For bag resin chamber, change **RS** to **RBS** in Model No. and add **B** to Price Code No.
For canister resin chamber, change **RS** to **RCS** in Model No. and add **C** to Price Code No.

Also available from SERFILCO:



Your one-stop source for pumping, filtration and purification needs!

SERFILCO can help you realize the economic value of clarification and purification of your process solutions and waste streams. Our wide range of pumps, filters, packaged systems, accessories and related control instruments make it possible for you to take advantage of one-stop shopping for all of your liquid handling needs. With modern filtration technology at work in your facility, you can reduce waste, lower your manufacturing costs, and enhance product integrity.

We've been serving industry worldwide for 50 years. We're ready to serve you, too!