

R Series



Cleaning **Solutions**





Experience and Technology to your service

REALSTAR, is a progressive company that since the nineteen-eighties has obtained a reputation in the manufacture of innovative high quality dry-cleaning machinery.

Our total dedication to this sector has lead to our company becoming one of the world leaders in production of machinery giving a complete range of solutions for the most demanding dry-cleaners, leading the field in terms of technology, manufacturing systems and carefully studied design.

REALSTAR, with its continuous development expertise and thorough research, has achieved a production and testing system that carefully monitors every step of our product's manufacturing process.

The reason for our success is doubtlessly **REALSTAR'S** use of the highest quality materials and components that combined with state of the

art technology to produce machinery which offers maximum reliability and reduced operating costs, with the obvious advantage to our clients.

The manufacture of the component parts is carried out on laser machines for precision cutting and robots for high technology welding, to ensure guaranteed unparalleled product quality.

REALSTAR offers a complete range of products that satisfy the requirements of even the most demanding users with professional machines that lead the sector's market from both a technical and an operational point of view, thus making **REALSTAR** a leader in both the machine performance and environmental protection.

Particular attention is paid to design, in order to highlight our product's technological evolution, without compromising the distinctive quality that characterises all **REALSTAR** production.





R Series

Today, more than ever, the environmental safeguard and the welfare of the operators are the main objective that a progressive company, like **REALSTAR** must consider. With this in mind, whilst developing a new machine, great efforts are undertaken to obtain a product incorporating high technical standards, capable to comply with International regulations regarding the use of dry-cleaning equipment. In consultation with our customers, agents and market

requirements we have developed this exciting new range of perchloroethylene dry-cleaning machines. The **R series** machine has been developed to be technically advanced, a compact machine, with ease of operation. Fitted as standard with many features for maximum performance and reduced operating costs. Suitable for the demands of the small, medium and larger operations, with no compromise to production capability.

The new **Series R - E 'Slim line'**, has been designed to operate in shops with limited available space. This model of machine is compact and stable allowing installation into smaller areas.

The new **Series R - E 'Slim line'** is available with **2 tanks** offering load capacities of **10,12,15** and **18** Kgs.



The new **Series R - L** is of wide design to fit into the more traditional shops, where space may not be a restriction.

The new **Series R - L 'wide'** is available with **2 or 3 working tanks** offering load capacities of **10,12,15** and **18** Kgs.



Standard features fitted on the new R Series

- Floor guard, Solvent safety tray
- Air-operated interlocks and micro-switches on all doors
- Water safety valve
- INVERTER on the main motor
- Sound-proofing cover for the fridge unit
- Closed circuit system with heat pump
- Continuous or temporary distillation
- Automatic button trap drying system
- Large double air lint filter
- Automatic still wall washing system
- Still inspection light
- Choice of solvent filtration systems available
- Automatic electronic drying thermostat
- ELECTRIC or STEAM heating
- Still with pressurized water system

R 210 E



R 210 E

BASKET

Load Capacity	Kg	10
Volume	Lt	200
Diameter	mm	700
Depth	mm	500
Wah Speed	rpm	20-50
Extract Speed	rpm	300-400
Door Opening	mm	350

TANKS

Useful Volume Tank 1	Lt	75
Useful Volume Tank 2	Lt	75
Useful Volume Tank 3	Lt	-----

STILL

Useful Still Volume	Lt	84
Total Still Volume	Lt	100

FN - NYLON FILTER

Volume Nylon Filter Housing	Lt	35
Nylon Filter Area	m ²	2,1
Filter Disks	nr	14

PR - DECO FILTER

Volume Puritan Filter Housing	Lt	13
Tubes Numbers	nr	1
Cartridges Quantity	nr	1

ELECTRIC POWER

Working power ELECTRIC Machine	Kw	14
Working power STEAM Machine	Kw	4,5

MACHINES WEIGHTS

Empty machine weight	Kg	900
Machine weight with solvent	Kg	1252
Static charge on the floor with solvent	Kg/mt ²	818
Dynamic charge on the floor (+10%)	Kg/mt ²	1038
Packaged machine weight	Kg	980

MACHINES DIMENSIONS

(A) Width front machine	mm	860
(B) Depth	mm	1950
(C) Minimum Height	mm	1955
(D) Maximum Height	mm	2045

Note: Acoustic Emission level of the machines, is Lower than 70 Db (A)
Specifications subject to change without notice



PULSAR D601 Computer (Standard on all versions)

The latest design of microprocessor computer **PULSAR D601**, controls the machine, allowing the operator to install up to 20 programmes in the memory, giving a vast choice of cleaning processes.

The user friendly **PULSAR D601** allows the machine to be

operated either automatically or manually.

The **PULSAR D601** computer is fitted with the maintenance guard display, informing the operator of the maintenance requirements of the machine to ensure maximum efficiency.

R 210 L**R 310 L**

10
200
700
500
20-50
300-400
350

10
200
700
500
20-50
300-400
350

75
75

75
75
120

84
100

84
100

35
2,1
14

35
2,1
14

13
1
1

13
1
1

14

14

4,5

4,5

1010
1362
734
925
1090

1030
1574
848
1050
1110

1450
1440
1955
2045

1450
1440
1955
2045

R 210 L • R 310 L**Air Clean System - ACM 15 (on demand)**

The machines of the new **R – Series** can be fitted on request with the active carbon recovery system, **ACM 15**: this lowers the ppm in the drum, thus drastically reducing the solvent consumption and odors at the end of the cycle

ACM 15 is completely built-into the machine and its periodical regeneration is controlled by a program in the **PULSAR D601 computer**.

R - E



		R 212 E	R 215 E	R 218 E	R 225 E
BASKET					
Load Capacity	Kg	12	15	18	25
Volume	Lt	220	285	340	500
Diameter	mm	800	800	900	1000
Depth	mm	440	560	535	640
Wah Speed	rpm	20-50	20-50	20-50	20-50
Extract Speed	rpm	300-450	300-450	300-450	300-450
Door Opening	mm	500	500	500	500
TANKS					
Useful Volume Tank 1	Lt	85	105	122	160
Useful Volume Tank 2	Lt	85	105	122	160
Useful Volume Tank 3	Lt	-----	-----	-----	-----
STILL					
Useful Still Volume	Lt	145	145	145	190
Total Still Volume	Lt	180	180	180	230
FN - NYLON FILTER					
Volume Nylon Filter Housing	Lt	35	35	55	75
Nylon Filter Area	m ²	2,1	2,1	3,9	5,9
Filter Disks	nr	14	14	26	39
PR - DECO FILTER					
Volume Puritan Filter Housing	Lt	13	13	13	25
Tubes Numbers	nr	1	1	1	1
Cartridges Quantity	nr	1	1	1	2
ELECTRIC POWER					
Working power ELECTRIC Machine	Kw	12*-18	12*-18	14*-23	15*-26
Working power STEAM Machine	Kw	5,5	5,5	9,5	9,5
MACHINES WEIGHTS					
Empty machine weight	Kg	1070	1115	1315	1750
Machine weight with solvent	Kg	1518	1563	1880	2438
Static charge on the floor with solvent	Kg/mt ²	745	767	712	768
Dynamic charge on the floor (+10%)	Kg/mt ²	965	1025	1020	1118
Packaged machine weight	Kg	1160	1205	1395	1850
MACHINES DIMENSIONS					
(A) Width front machine	mm	970	970	1200	1300
(B) Depth	mm	2195	2195	2300	2400
(C) Minimum Height	mm	2065	2065	2100	2200
(D) Maximum Height	mm	2170	2170	2220	2270

*Working power with LPD System

Note: Acoustic Emission level of the machines, is Lower than 70 Db (A)

Specifications subject to change without notice



DRP System - Dry Still, rake and residue suction pump (on request)

The machines of the new **R Series** can be equipped, on demand, with the Automatic Still Cleaning System. This includes a still residue suction pump that in

combination with the Still Drying System and the rake, recovers a quantity of solvent that otherwise would be lost within the still waste, thus reducing disposal costs and

emissions to atmosphere. This system reduces the frequency of cleaning the still giving advantages to the environment and especially the operator's welfare.

R 212 L	R 215 L	R 218 L	R 225 L	R 312	R 315	R 318	R 325
12	15	18	25	12	15	18	25
220	285	340	500	220	285	340	500
800	800	900	1000	800	800	900	1000
440	560	535	640	440	560	535	640
20-50	20-50	20-50	20-50	20-50	20-50	20-50	20-50
300-400	300-400	300-400	300-450	300-400	300-400	300-400	300-450
500	500	500	500	500	500	500	500
85	105	125	160	85	105	125	160
85	105	125	160	85	105	125	160
-----	-----	-----	-----	120	120	160	210
145	145	145	190	145	145	145	190
180	180	180	230	180	180	180	230
35	35	55	75	35	35	55	75
2,1	2,1	3,9	5,9	2,1	2,1	3,9	5,9
14	14	26	39	14	14	26	39
13	13	13	25	13	13	13	25
1	1	1	1	1	1	1	1
1	1	1	2	1	1	1	2
12*-18	12*-18	14*-23	15*-26	12*-18	12*-18	14*-23	15*-26
5,5	5,5	9,5	9,5	5,5	5,5	9,5	9,5
1090	1140	1340	1970	1110	1160	1360	2000
1538	1588	1905	2658	1782	1832	2182	2688
730	754	706	759	846	870	808	768
945	1000	1005	1108	1070	1130	1120	1117
1180	1230	1420	2070	1200	1250	1440	2100
1560	1560	1800	2000	1560	1560	1800	2000
1510	1510	1650	1830	1510	1510	1650	1830
2065	2065	2100	2100	2065	2065	2100	2100
2170	2170	2220	2270	2170	2170	2220	2270

R - L



LPD System (on request)

LPD System (Lower Power Drying System), is an innovative feature using the still vapour to pre heat the air flow on dry, this reduces the electrical consumption by up to 40%. Distillation cooling water consumption is also reduced.

POLAR System (on request)

It is well known that perchloroethylene is a solvent with good cleaning power, but this has to be taken into consideration when processing very delicate items. With the Polar Solvent Cooling System solvent can be cooled

to a temperature of 15° C. This enables the cleaning of delicate items and reduces the risk of colour loss.



This wide range of options will enable your **R Series** machine to comply with the most demanding environmental regulations, giving you high quality results and economical operating costs.
Options on request available on the new **R Series**:

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- **Supplementary Water Separator**
- **Electronic and self-cleaning DRY CONTROL**
- **Automatic soap pump**
- **DRY STILL – Still drying and suction system**
- **Automatic still cleaning with sludge pump**
- **Still Scraper**
- **LPD System – Still Heat recovery system**
(available on the ELECTRIC version only)
- **POLAR System – Refrigerating solvent system with FREON**
- **Water solvent cooling system**
- **Start / Stop steam supply**
(available on the Steam Version only)
- **Steam Traps**
(available on the Steam Version only)
- **Built- in air compressor**
- **Machine prepared for PPM sensor**
- **AIR CLEAN SYSTEM – ACM 15 – Built-in automatic air cleaning system using active carbon**



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