



REALSTAR DRY CLEANING MACHINES
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FMB Group

PERCHLOROETHYLENE T-M 03
ALTERNATIVE SOLVENTS KT-KM 03 HSK



Realstar is a relatively young company that since the nineteen-eighties has earned itself a reputation in the manufacture of prestigious and highest quality dry cleaning machinery.

Our total dedication to this sector has led to many years in which our reputation and position have grown steadily and our company now boasts 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 and rigorous research activities, has exploited its know-how by creating a complete production and testing circuit that carefully monitors every step of our products' production process.

Today, more than ever, safeguarding the environment we live in is a priority for companies in all manufacturing sectors. In our sector in particular, this task is fundamental and one that Realstar responds to by dedicating a considerable portion of its financial and human resources to environmental matters.

This commitment has led to the creation of new environmentally friendly, cutting-edge products that conform to the strictest international ecology regulations on hydrocarbon solvents and perchloroethylene use, which has led to our products obtaining international certification for user health and safety and environmental protection.



The feather in our hat and the secret of our success is doubtlessly Realstar's rigorous choice of the highest quality materials and components that combines with cutting edge technology to offer products of the utmost reliability with reduced operating costs, which brings obvious advantages to our clients. All the manufacturing phases of

sheet products involve laser machines for precision cutting and robots for high technology welding, in order to guarantee unparalleled product quality. Particular attention is paid to design, in order to highlight our products' technological evolution, without compromising the distinctive practical elements that characterise all Realstar goods.



PERCHLOROETHYLENE

A complete range of professional machines, a considerable step forward from a technical and operative point of view, which renews Realstar's reputation as innovators of advanced technology with:

- *outstanding performance*
- *reduced drying cycle*
- *flexible and practical use*
- *energy-saving*
- *space-saving*
- *easy access for maintenance and use.*

T 03 line: machines with very reduced dimensions for important working volumes

M-03 line: a complete line of professional machines, with three working tanks, the best that the market can offer with high technical and operational features.

TECHNICAL CHARACTERISTICS

- Microprocessor with memory for up to 20 programmes and manual override
- Automatic transfer of solvent from tank to tank
- Automatic still wall washing
- Closed circuit with heat pump
- Electric or steam heated
- Continuous or partial distillation
- Enlarged loading door and still opening
- Sound-proofing cover for fridge unit
- Drum air suction with activated carbon container
- Soap container
- Large refrigerator unit
- Large double air filter
- Stainless steel parts: air vent, basket, button trap, filters, still, condenser, separator

A FEW OF THE OPTIONALS AVAILABLE

- Polar[®], solvent cooling in the tanks and during washes
- Built-in Air compressor
- Dry Guard 2[®], automatic drying monitor
- Water-saving valve (standard for EC machines)
- Soap pump
- Still suction
- Sludge pump
- Supplementary contact water separator
- Floor Guard[®], safety tray (standard for EC machines)
- Air Clean In System[®], built-in system for eliminating perchloroethylene emission
- Air-operated interlocks and micro-switches on all doors (standard for EC machines)



T 343 T403 T503



These machines are the perfect solution to working volumes and space issues. Realstar introduce the **T-343, T-403 and T-503**: these machines combine up to the minute technology with unquestionable versatility, making them ideally suited to satisfy the needs of small and medium operations where competitive purchase and running costs do not compromise production capability.

TECHNICAL FEATURES

- 2 self-cleaning tanks
- Continuous or temporary distillation
- Automatic button trap drying system
- Large double air filter
- Choice of solvent filtration systems available
- Automatic electronic drying thermostat
- Electric or steam heated
- Still safety overfill preventer
- Automatic still wall washing system
- Still inspection light.
- Sound-proofing cover for fridge unit
- Stainless steel parts: Basket, air channel, still, still door, filter canister, button trap, condenser housing, and water separator.

SOME OPTIONAL EXTRAS

- Polar, solvent chiller
- Air compressor
- Dry guard , automatic drying control
- Soap pump
- Still suction
- Sludge pump
- Second heat pump
- Supplementary contact water separator
- Floor guard, safety tray (standard for EC machines)
- Air clean system, built-in system to eliminate perchloroethylene emissions
- Water saving valve (standard for EC machines)
- Air-operated interlocks and micro-switches on all doors (standard for EC machines)
- Automatic solvent filling system (standard for EC machines).

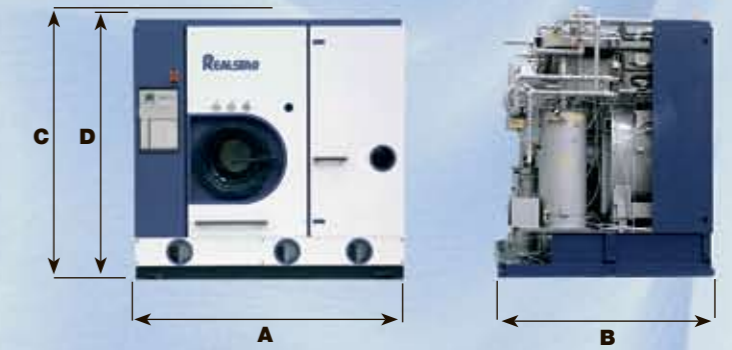


		T343	T403	T503		T343	T403	T503
LOAD CAPACITY (Ratio 1:20)	Kg	18	20	25	Lbs	40	45 + 50	55 + 60
BASKET								
Volume	lit	340	400	500	cu.ft.	12	14,11	17,8
Diameter	mm	900	1000	1000	inches	35,5	39,4	39,4
Depth	mm	535	510	640	inches	21	20	25,2
Wash speed	rpm	40	33	33	rpm	40	33	33
Extract speed	rpm	400	190 + 380	190 + 380	rpm	400	190 + 380	190 + 380
Door opening	mm	500	500	500	inches	20	20	20
TANKS								
Useful volume tank 1	lit	95	110	110	gal	25	29	29
Useful volume tank 2	lit	150	165	165	gal	40	44	44
STILL								
Useful Still Volume at half inspection	lit	190	190	190	gal	50,2	50,2	50,2
Total Still Volume	lit	225	225	225	gal	59,4	59,4	59,4
FN - NYLON FILTER								
Volume nylon filter housing	lit	55	55	55	gal	14,5	14,5	14,5
Nylon filter area	mt ²	3,9	3,9	3,9	ft ²	42	42	42
Filter disks	nr	26	26	26	nr	26	26	26
PR - PURITAN FILTER								
Volume Puritan filter housing	lit	13	13	13	gal	3,5	3,5	3,5
Tubes numbers	nr	1	1	1	nr	1	1	1
Cartridges quantity	nr	1	1	1	nr	1	1	1
ELECTRIC POWER For 50 Hz. Machine								
Working Power ELECTRIC Machine Version	Kw	22,5	24	24	Kw	22,5	24	24
Breaker Requeirement Size ELECTRIC Version	Amps	60	65	65	Amps	60	65	65
Working Power STEAM Machine Version	Kw	7,5	9	9	Kw	7,5	9	9
Breaker Requeirement Size STEAM Version	Amps	35	40	40	Amps	35	40	40
ELECTRIC POWER For 60 Hz. Machine								
Working Power STEAM Machine Version	Kw	7,5	9,5	9,5	Kw	7,5	9,5	9,5
Breaker Requeirement Size STEAM Version	Amps	65	90	90	Amps	65	90	90
Steam Boiler Working	BHP	2,5	3	3	BHP	2,5	3	3
MACHINES WEIGHTS ULTRA Version								
Empty machine weight	Kg	1500	1800	1850	lbs	3305	3970	4078
Machine weight with solvent	Kg	2000	2350	2400	lbs	4410	5180	5291
Static charge on the floor with solvent	Kg/mt ²	741	833	850	lbs/ft ²	152	171	180
Dynamic charge on the floor	Kg/mt ²	996	1109	1180	lbs/ft ²	204	228	235
Packaged machine weight	Kg	1620	1920	1970	lbs	3570	4235	4343
MACHINES WEIGHTS ULTRA DIAMOND Version								
Empty machine weight	Kg	1610	1880	1950	lbs	3550	4145	4298
Machine weight with solvent	Kg	2110	2430	2500	lbs	4652	5358	5511
Static charge on the floor with solvent	Kg/mt ²	781	861	900	lbs/ft ²	160	177	185
Dynamic charge on the floor	Kg/mt ²	1041	1141	1250	lbs/ft ²	214	237	245
Packaged machine weight	Kg	1730	2000	2100	lbs	3815	4410	4629
MACHINES DIMENSIONS								
(A) Width front Machine	mm	1250	1300	1300	inches	49,2	51,2	51,2
(B) Depth	mm	2160	2300	2300	inches	85	85,4	85,4
(C) Height With Fan	mm	2210	2340	2340	inches	87	92,1	92,1
(D) Height Without Fan	mm	2040	2095	2095	inches	80,3	82,5	82,5

Note: Acoustic emission level of the machines is lower than 70 dB (A)

Specifications Subject to change without notice

M343 M403 M503



These machines are the perfect solution to working volumes and space issues. Realstar introduce the **M-343, M-403 and M-503**: these machines combine up to the minute technology with unquestionable versatility, making them ideally suited to satisfy the needs of small and medium operations where competitive purchase and running costs do not compromise production capability.

TECHNICAL FEATURES

- 3 self-cleaning tanks
- Continuous or temporary distillation
- Automatic button trap drying system
- Large double air filter
- Choice of solvent filtration systems available
- Automatic electronic drying thermostat
- Electric or steam heated
- Still safety overflow preventer
- Automatic still wall washing system
- Still inspection light.
- Sound-proofing cover for fridge unit
- Stainless steel parts: Basket, air channel, still, still door, filter canister, button trap, condenser housing, and water separator.

SOME OPTIONAL EXTRAS

- Polar, solvent chiller
- Air compressor
- Dry guard , automatic drying control
- Soap pump
- Still suction
- Sludge pump
- Second heat pump
- Supplementary contact water separator
- Floor guard, safety tray (standard for EC machines)
- Air clean system, built-in system to eliminate perchloroethylene emissions
- Water saving valve (standard for EC machines)
- Air-operated interlocks and micro-switches on all doors (standard for EC machines)
- Automatic solvent filling system (standard for EC machines).



		M343	M403	M503		M343	M403	M503
LOAD CAPACITY (Ratio 1:20)	Kg	18	20	25	Lbs	40	45 ÷ 50	55 ÷ 60
BASKET								
Volume	lt	340	400	500	cu.ft.	12	14,11	17,8
Diameter	mm	900	1000	1000	inches	35,5	39,4	39,4
Depth	mm	535	510	640	inches	21	20	25,3
Wash speed	rpm	40	33	33	rpm	40	33	33
Extract speed	rpm	400	190 ÷ 380	190 ÷ 380	rpm	400	190 ÷ 380	190 ÷ 380
Door opening	mm	500	500	500	inches	20	20	20
TANKS								
Useful volume tank 1	lt	110	160	160	gal	29	42	42
Useful volume tank 2	lt	110	160	160	gal	29	42	42
Useful volume tank 3	lt	200	200	200	gal	53	53	53
STILL								
Useful Still Volume at half inspection	lt	190	260	260	gal	50	68	68
Total Still Volume	lt	230	325	325	gal	60	86	86
FN - NYLON FILTER								
Volume nylon filter housing	lt	55	75	75	gal	14,5	20	20
Nylon filter area	mt ²	3,9	5,5	5,5	ft ²	42	59	59
Filter disks	nr	26	39	39	nr	26	39	39
PR - PURITAN FILTER								
Volume Puritan filter housing	lt	25	25	25	gal	6,6	6,6	6,2
Tubes numbers	nr	1	1	1	nr	1	1	1
Cartridges quantity	nr	2	2	2	nr	2	2	2
KR - CARTRIDGE FILTER								
Volume Dual cartridge filter housing	lt	55	85	85	gal	14,5	22,5	22,5
Tubes numbers	nr	1	1	1	nr	1	1	1
Cartridges quantity	nr	2	3	3	nr	2	3	3
ELECTRIC POWER For 50 Hz. Machine								
Working Power ELECTRIC Machine Version	Kw	21	28,5	28,5	Kw	21	28,5	28,5
Breaker Requirement Size ELECTRIC Version	Amps	55	70	70	Amps	55	70	70
Working Power STEAM Machine Version	Kw	7,5	9	9	Kw	7,5	9	9
Breaker Requirement Size STEAM Version	Amps	35	45	45	Amps	35	45	45
ELECTRIC POWER For 60 Hz. Machine								
Working Power STEAM Machine Version	Kw	7,5	9,5	9,5	Kw	7,5	9,5	9,5
Breaker Requirement Size STEAM Version	Amps	65	90	90	Amps	65	90	90
Steam Boiler Working	BHP	2,5	3	3	BHP	2,5	3	3
MACHINES WEIGHTS ULTRA Version								
Empty machine weight	Kg	1595	1980	2050	lbs	3515	4365	4520
Machine weight with solvent	Kg	2484	3132	3202	lbs	5476	6905	7060
Static charge on the floor with solvent	Kg/m ²	801	841	860	lbs/ft ²	164	173	177
Dynamic charge on the floor	Kg/m ²	1039	1071	1129	lbs/ft ²	213	220	232
Packaged machine weight	Kg	1715	2100	2170	lbs	3870	4630	4785
MACHINES WEIGHTS ULTRA DIAMOND Version								
Empty machine weight	Kg	1850	2300	2350	lbs	4080	5070	5180
Machine weight with solvent	Kg	2740	3452	3502	lbs	6040	7610	7720
Static charge on the floor with solvent	Kg/m ²	884	927	940	lbs/ft ²	181	190	193
Dynamic charge on the floor	Kg/m ²	1130	1166	1217	lbs/ft ²	232	239	250
Packaged machine weight	Kg	1970	2420	2470	lbs	4345	5335	5445
MACHINES DIMENSIONS								
(A) Width front Machine	mm	2000	2140	2140	inches	78,8	84,3	84,3
(B) Depth	mm	1550	1740	1740	inches	61	68,5	68,5
(C) Height With Fan	mm	2195	2285	2285	inches	86,2	90	90
(D) Height Without Fan	mm	2025	2095	2095	inches	79,7	82,5	82,5

Note: Acoustic emission level of the machines is lower than 70 dB (A)

Specifications Subject to change without notice

M703 M803

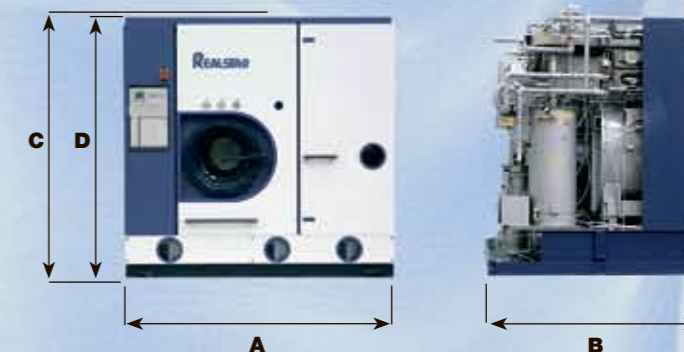
These machines are the perfect solution to working volumes and space issues. Realstar introduce the **M-703** and **M-803**: these machines combine up to the minute technology with unquestionable versatility, making them ideally suited to satisfy the needs of small and medium operations where competitive purchase and running costs do not compromise production capability.

TECHNICAL FEATURES

- 3 self-cleaning tanks
- Continuous or temporary distillation
- Automatic button trap drying system
- Large double air filter
- Choice of solvent filtration systems available
- Automatic electronic drying thermostat
- Steam heated
- Still safety overflow preventer
- Automatic still wall washing system
- Still inspection light.
- Sound-proofing cover for fridge unit
- Stainless steel parts: Basket, air channel, still, still door, filter canister, button trap, condenser housing, and water separator.

SOME OPTIONAL EXTRAS

- Polar, solvent chiller
- Air compressor
- Dry guard , automatic drying control
- Soap pump
- Still suction
- Sludge pump
- Second heat pump
- Supplementary contact water separator
- Floor guard, safety tray (standard for EC machines)
- Air clean system, built-in system to eliminate perchloroethylene emissions
- Water saving valve (standard for EC machines)
- Air-operated interlocks and micro-switches on all doors (standard for EC machines)
- Automatic solvent filling system (standard for EC machines).



		M703	M803		M703	M803
LOAD CAPACITY (Ratio 1:20)	Kg	32	40	Lbs	75 ÷ 80	90 ÷ 95
BASKET						
Volume	lit	646	800	cu.ft.	22,8	28,5
Diameter	mm	1200	1200	inches	47,3	47,3
Depth	mm	570	710	inches	22,5	28
Wash speed	rpm	28	28	rpm	28	28
Extract speed	rpm	165 ÷ 340	165 ÷ 340	rpm	165 ÷ 340	165 ÷ 340
Door opening	mm	500	600	inches	20	23,6
TANKS						
Useful volume tank 1	lit	240	240	gal	63	63
Useful volume tank 2	lit	240	240	gal	63	63
Useful volume tank 3	lit	330	330	gal	87	87
STILL						
Useful Still Volume at half inspection	lit	360	360	gal	95	95
Total Still Volume	lit	455	455	gal	120	120
FN - NYLON FILTER						
Volume nylon filter housing	lit	75	100	gal	20	26,5
Nylon filter area	mt ²	5,5	7,8	ft ²	59	84
Filter disks	nr	39	52	nr	29	52
PR - PURITAN FILTER						
Volume Puritan filter housing	lit	25	25	gal	6,6	6,6
Tubes numbers	nr	1	1	nr	1	1
Cartridges quantity	nr	2	2	nr	2	2
KR - CARTRIDGE FILTER						
Volume Dual cartridge filter housing	lit	85	105	gal	22,5	27,8
Tubes numbers	nr	1	1	nr	1	1
Cartridges quantity	nr	3	4	nr	3	4
ELECTRIC POWER For 50 Hz. Machine						
Working Power STEAM Machine Version	Kw	10,5	10,5	Kw	10,5	10,5
Breaker Requirement Size STEAM Version	Amps	45	45	Amps	45	45
ELECTRIC POWER For 60 Hz. Machine						
Working Power STEAM Machine Version	Kw	12	12	Kw	12	12
Breaker Requirement Size STEAM Version	Amps	95	95	Amps	95	95
Steam Boiler Working	BHP	3,75	3,75	BHP	3,75	3,75
MACHINES WEIGHTS ULTRA Version						
Empty machine weight	Kg	2710	2840	lbs	5975	6260
Machine weight with solvent	Kg	4406	4536	lbs	9713	10000
Static charge on the floor with solvent	Kg/m ²	922	949	lbs/ft ²	189	195
Dynamic charge on the floor	Kg/m ²	1186	1263	lbs/ft ²	244	259
Packaged machine weight	Kg	2890	3020	lbs	6370	6655
MACHINES WEIGHTS ULTRA DIAMOND Version						
Empty machine weight	Kg	3175	3220	lbs	7000	7075
Machine weight with solvent	Kg	4871	4906	lbs	10738	10815
Static charge on the floor with solvent	Kg/m ²	1019	1027	lbs/ft ²	209	211
Dynamic charge on the floor	Kg/m ²	1296	1348	lbs/ft ²	266	276
Packaged machine weight	Kg	3355	3390	lbs	7395	7457
MACHINES DIMENSIONS						
(A) Width front Machine	mm	2360	2360	inches	93	93
(B) Depth	mm	2025	2025	inches	79,8	79,8
(C) Height With Fan	mm	2580	2580	inches	101,6	101,6
(D) Height Without Fan	mm	2345	2345	inches	92,3	92,3

Note: Acoustic emission level of the machines is lower than 70 dB (A)

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