



PULSAR TOUCH

KT 03
KM 03
series **North America**

Dry Cleaning Machines designed for use with the popular **Class III A** alternative solvents.

Realstar... Leading the World in Technology for Alternative Solvent Dry Cleaning Machines



Realstar KT and KM 03 Series:

REALSTAR Experience and Technology a legacy of excellence

Since the 1980's **REALSTAR** has been an innovative leader in the manufacturing of dry cleaning machines for the garment care industry.

Our commitment to research and development has resulted in machines recognized throughout the world for their highest standards of quality control, cutting edge technology, and compliance with rigid environmental regulations.

REALSTAR dry cleaning machines are manufactured in the world's most up to date and modern factories located in Bologna, Italy.

Our commitment to quality control is second to none.

Every step of the manufacturing process is closely monitored to assure that the highest tolerances are met and exceeded.

Only top quality materials and components are used.

The utilizations of laser for precision metal cutting and robots for welding ensure the machines you invest in today will provide years of trouble free service.

REALSTAR builds machines designed for use with all of the popular solvents used in the garment care industry.

These machines are available in a wide range of sizes and configurations; all designed to comply with governmental and environmental regulations.

We offer machines that will meet the needs of the largest production facilities as well as the smaller single plants.

Most importantly to you, we stand behind our products.

We know your success is our success.

This is the philosophy upon which we have built our business.



set a New standard in alternative solvent dry cleaning machines

REALSTAR QUALITY and DESIGN Alternative Solvents

Our R & D at work

Two challenges must be met when designing a machine for operation in a dry cleaning plant today:

- 1 It must be safe for the operator
- 2 It must meet or exceed all governmental rules and regulations, domestic US and International

REALSTAR engineers have designed alternative solvent machines that meet the above requirements for use with any Class III A solvents such as Hydrocarbon (flashpoint 56 degree C. 132.8 F), Silicone (Green Earth), Rynex and Sensene.

Please note there is a separate **REALSTAR** brochure for our machines designed for use with Solvon K4 solvent from the Kreussler Company.

REALSTAR alternative solvent machines are available in both two tank and three tank design.

Our **KT** Series are two tank versions configured in a slim design. Our **KM** Series offer three tank versions in a traditional wide design.

Experienced dry cleaners have learned they can count on the design and technology inherent in all **REALSTAR** Alternative Solvent Machines to deliver the best results possible when using Class III A solvents.



KT 03



KM 03

KT 03 Series

Realstar KT 03 Series Machines are offered in three models:

KT 343 – 40 LB. Capacity

KT 403 – 50 LB. Capacity

KT 503 – 60 LB. Capacity

These compact machines are designed for use in those plants where space does not allow the installation of our wider **KM Series** machines, such as the narrow but deep plants often found in larger cities.

These units feature two solvent tanks with easily visible sight glasses which allow the operator to view with ease the solvent clarity and level.



All **KT Series** machines include an integral filtration and distillation system to provide maximum solvent condition.

An amply sized loading door makes it easy for the operator to load and unload the machine.

Realstar KT 03 Series is the ideal solution!

		KT 343	KT 403	KT 503	
LOAD CAPACITY (Ratio 1:20)		Lbs	40	45 ÷ 50	55 ÷ 60
BASKET					
Volume	cu.ft.	12	14,1	17,7	
Diameter	inches	35,4	39,4	39,4	
Depth	inches	21	20	25,2	
Wash speed	rpm	12 ÷ 50	12 ÷ 50	12 ÷ 50	
Extract speed	rpm	300 ÷ 540	300 ÷ 540	300 ÷ 540	
Door opening	inches	20	20	20	
TANKS					
Useful volume tank 1	gal	25	29	32	
Useful volume tank 2	gal	40	44	47,5	
Useful volume tank 3	gal	-----	-----	-----	
STILL					
Useful still volume at half inspection	gal	50	50	50	
Total still volume	gal	60	60	60	
NYLON FILTER					
Volume nylon filter housing	gal	14,5	14,5	14,5	
Nylon filter area	ft ²	42	42	42	
Filter disks	nr	26	26	26	
PURITAN FILTER					
Volume puritan filter housing	gal	3,5	3,5	3,5	
Tubes numbers	nr	1	1	1	
Cartridges quantity	nr	1	1	1	
DUAL CARTRIDGE FILTER					
Volume dual cartridge filter housing	gal	14,5	14,5	14,5	
Tubes numbers	nr	1	1	1	
Cartridge quantity	nr	2	2	2	
ELECTRIC POWER		220V 3ph 60Hz			
Wash/Extract motor (with Inverter)	Hp	4.6	7.5	7.5	
Solvent pump motor	Hp	1	1	1	
Fan motor	Hp	3	3	3	
Refrigerator compressor	Hp	5	6.5	6.5	
Vacuum Pump Motor	Hp	1	1	1	
Steam Boiler Working	BHP	2,5	3	3	
Working power (STEAM Machine)	Kw	11.5	15.8	15.8	
MACHINES DIMENSIONS					
Width front Machine	inches	49.2	51.2	51.2	
Depth	inches	85	85.5	90.6	
Height Without Fan	inches	87	92.1	92.1	
Height With Fan	inches	80.3	82.5	82.5	
MACHINES WEIGHTS					
Empty machine weight	lbs	3728	4012	4189	
Machine weight with solvent	lbs	4264	5220	4839	
Static charge on the floor with solvent	lbs/ft ²	147	172	154	
Dynamic charge on the floor (+10%)	lbs/ft ²	229	269	266	
Packaged machine weight	lbs	4123	4409	4586	

Specification subject to change without notice

All REALSTAR Dry-Cleaning Machines described herein surpass regulatory standards set by OSHA, EPA and NESHAP, and are Certified by New York State DEC and California CARB.

Special New York City MEA-Approved models are also available. Operating decibel levels are less than 70 dBA.

All REALSTAR KT & KM machines have been tested and approved for NFPA-32 by ETL.

KM 343**KM 403****KM 503****KM 703****KM 803**

40	45 ÷ 50	55 ÷ 60	75 ÷ 80	90 ÷ 95
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12	14,1	17,7	22,8	28,3
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35,4	39,4	39,4	47,3	47,3
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21	20	25,2	22,5	28
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12 ÷ 50	12 ÷ 50	12 ÷ 50	12 ÷ 50	12 ÷ 50
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300 ÷ 540	300 ÷ 540	300 ÷ 540	300 ÷ 450	300 ÷ 450
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20	20	20	20	23,7
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29	42	42	63	63
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29	42	42	63	63
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53	53	53	87	87
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50	69	69	95	95
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61	86	86	120	120
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14,5	20	20	20	26,4
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42	59	59	59	84
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26	39	39	39	52
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6,6	6,6	6,6	6,6	6,6
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1	1	1	1	1
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2	2	2	2	2
---	---	---	---	---

14,5	22,5	22,5	22,5	27,8
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1	1	1	1	1
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2	3	3	3	4
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220V 3ph 60Hz

4,6	7,5	7,5	8,3	8,3
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1	1	1	1,5	1,5
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3	3	3	5,5	5,5
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5	6,5	6,5	6,5	6,5
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1	1	1	1	1
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2,5	3	3	3,5	3,75
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11,5	15,8	16	20	20
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78,8	84,3	84,3	93	93
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61	68,5	68,5	79,8	79,8
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86,4	90	90	101,6	101,6
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79,7	82,5	82,5	92,3	92,3
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4035	4630	4805	6260	6503
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5269	5865	6050	7980	8223
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158	146	150	155	160
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208	221	242	234	255
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4652	4960	5140	7098	7431
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KM 03 Series

Realstar KM 03 Series Machines are offered in five models:

KM 343 – 40 LB. Capacity

KM 403 – 50 LB. Capacity

KM 503 – 60 LB. Capacity

KM 703 – 80 LB. Capacity

KM 803 – 90 LB. Capacity

Realstar KM 03 Series, Alternative Solvent Machines are designed with three solvent tanks, large sized distillation system, and offer a variety of choices in filtration system.

Realstar KM 03 Series, machines are built to meet the needs of the most discriminating dry cleaning professional.



These machines are engineered to permit ease of installation, all controls are located for the maximum operator utilization, and required maintenance is facilitated by open access to the rear of the machine.

Realstar KM 03 Series is the choice of the Professional!

Technologies of tomorrow

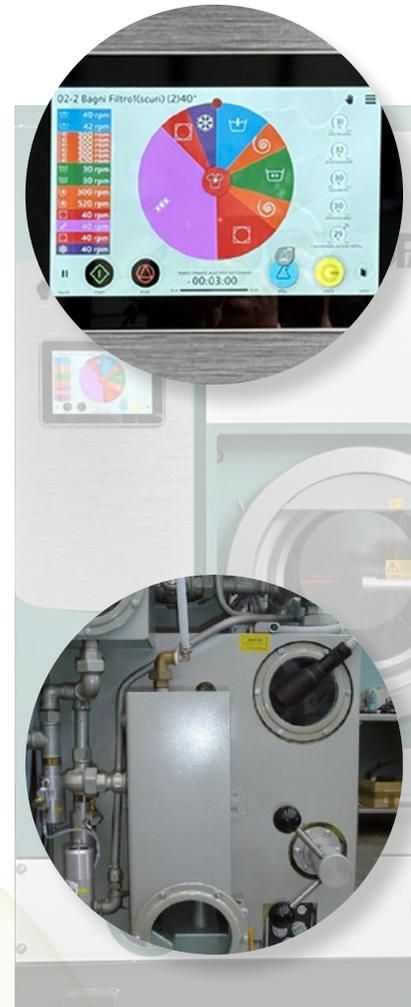
PULSAR TOUCH D601

PULSAR TOUCH D601 offers an operator friendly interface, based on the Linux operating system, designed on the basis of years of research by our own R&D team, allowing you to work with the dry cleaning machine in the best possible way.

PULSAR TOUCH D601 is a panel based computer control unit with a bright and compact 10" LCD screen.

The special touch screen guarantees high stability and control precision over time, PULSAR TOUCH D601 features a USB interface for data exchange.

1. 10" capacitive display.
2. Linux operating system.
3. Create and manage up to forty different programs
4. The list of cleaning programs is presented separate from the maintenance programmes.
5. Each cleaning program can be given its own name, icon and color, making the choice of program easier.
6. Graphic display of the cleaning cycle clearly identifying individual phases (cleaning, spinning, drying).
7. A LOG section can store the history of various events (start and end of each cycle, alarms triggered, etc.).
8. USB port feature: programs and/or setup can be imported or exported using a standard USB stick.
9. Fully integrated Ethernet port.
10. Ethernet port can be hooked up to and exchange data with all devices with a web browser (laptops, tablets and smartphones).



Fractional Distillation

One of the most important phases in the proper operation of an alternative solvent machine is that of distillation. An improperly designed distillation system will lead to odor causing bacteria in the solvent tanks which will transfer onto the customer's clothes. To prevent this from occurring, **Realstar** engineers have de-signed a system referred to as **fractional distillation**

which is found in all of our **KT** and **KM Series** machines. Unlike the atmospheric stills used in perc machines, alternative solvent machines distill under vacuum to achieve the higher boiling points of these solvents. Our **fractional distillation** system regulates the proper amounts of solvent to the still and tanks to prevent harmful bacteria causing foam and resulting odors.

STANDARD FEATURES ON

- Floor guard, Solvent safety tray
- Air-operated interlocks and micro-switches on all doors
- Water safety valves by DANFOSS
- INVERTER on the washing motor
- Electronic and self-cleaning Dry Control
- Supplementary water separator
- Automatic Soap Pump
- Fractional distillation processing

- with Vacuum Technology
- Machine prepared to be connected to a Nitrogen bottle (not supplied)
- Continuous or temporary distillation
- Self-cleaning water separator
- WATER SOLVENT COOLER – Refrigerated solvent cooler with water
- Steam Traps
- Automatic Start/Stop steam supply to the still

in operation today!



Faster drying for Shorter cycle times

It's quite simple: shorten the drying time, shorten the cycle time, increase production and increase profits. **Realstar** engineers have developed a new drying system that will shorten drying times without a loss of efficiency through:

- 1 Doubling the air flow through cylinder.
- 2 Relocating the fan midway in the coils and coordinating the refrigeration and heating coils during the drying phase to circulate larger air volume into the cylinder.

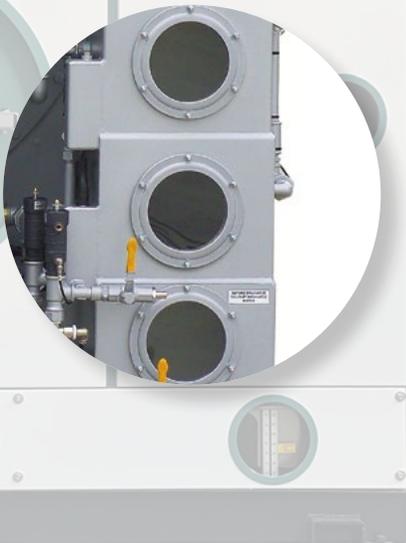
3 A new Automatic Electronic Dry Control system for maximum efficiency. For ease of maintenance, our new refrigeration system is now divided into three segments: The compressor, the refrigeration coil, and the heat exchange coil. All three of these components can be individually and simply serviced, without removal of the entire system due to AEROQUIP unions.

Simplified maintenance and less downtime!

Innovative pre-wash system

An optional feature humidifies the solvent during the pre-wash phase. This significantly reduces the amount of soap additives needed to remove water-soluble stains which helps to lower your cost. Solvent from the start phase of distillation is mixed with

recovered solvent from the drying phase and moderately humidified. Using this solvent mixture for the pre-wash phase and during the first phase of the next cleaning cycle means more efficient and effective solvent use with further cost-savings.



ALL REALSTAR KT 03 AND KM 03 SERIES

- JET SOLVENT – high pressure washing system with solvent injection
- Sound-proofing cover for Refrigeration compressor
- Touch Screen Computer: Pulsar Touch D601
- Allowing the operator to install up to 40 programs
- Electronic temperature control
- Large choice of solvent filtration system
- Aluminium solvent valve
- Back plate washing systems
- Oversized loading door
- Automatic still wall washing
- Large double air lint filter
- Electro-Steam still system
- Still sight glass with lamp
- Very large impeller fan for optimal drying
- Fridge Group in three separate sections, for easy and quick maintenance



Available Options on demand:

- Automatic still clean out system
- Still Scraper
- External storage tank for still residue with connections kit
- POLAR SYSTEM - Refrigerated solvent cooling system
- DOOR LIGHT - Loading door lighting system with LED
- Nebulizer for additives
- Built in Water Proofing System
- 2nd Automatic soap pump
- Self cleaning lint filter
- Stainless steel solvent tanks
- Solvent Heating system

Standard Stainless Steel components:

- Still
- Still Condenser
- Button Trap
- Water Separator
- Supplementary Water Separator
- Solvent filter housing
- Basket Cylinder
- Drying Chamber

RCOP



REALSTAR USA
1900 Meredith Park Drive
McDonough, GA 30253
Phone: (404) 363-6973
Fax: (404) 363-8699
Tol Free: 1-888-822-7827
www.realstarusa.com

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