

HYDROCARBON DRY CLEANING MACHINE



- ☞ Hydrocarbon Solvent
- ☞ Fully-enclosed System
- ☞ With Distillation Device
- ☞ Vacuum washing
- ☞ Capacity: 10, 15 & 20kg

RELIABILITY DURABILITY COST EFFECTIVE

HYDROCARBON SOLVENT DRY CLEANING MACHINE

- ☐ This kind of hydrocarbon solvent dry cleaning machine is the culmination of years of technique and experience into washing equipments and textiles from LittleDuck. It has multi-functional specialties which include integrative washing, extracting, drying and distillation under vacuum condition. With the features of solvent high-speed extract, fast speed drying with lower temperature, power saving and easy operation.
- ☐ **Combining** washing, extracting, drying and distillation **in one**.
- ☐ **Multifunctional computer control**: colorized large screen LCD, man-machine conversation, malfunction self-check, and program can be edited or chosen according to different garments.
- ☐ **Safe working system**: the operation of washing, extracting, drying and distillation under the vacuum condition.
- ☐ **Extremely closed system**: it uses vacuum pump to achieve fully closed.
- ☐ **Soft mount structure**: with suspension springs, low noise, the fixing device is not needed.
- ☐ **Environment-friendly Hydrocarbon Solvent**: colorless, non-toxic and non-smell solvent is used for environment protection.
- ☐ **Digital frequency conversion technology**: for stepless speed regulation while washing, extracting and drying.
- ☐ **Efficient gentle cleaning ability**: washing under vacuum makes the garments clean, looks good, without pollution after washed. Strong good at washing fur, makes it soft, bright, non-washed out.
- ☐ **Efficient filtration**: solvent is pumped over the high consistency filtration net all the time the machine is running continually.
- ☐ **Special cooling reclaiming system**: solvent kept in the cooling status, drying and distillation work together, efficient reclaiming, power saving.
- ☐ **High efficient distilled system**: it can remove the neutral fat, mineral oil and pigment etc. non-sorption of splotch in used solvent in long-term to get the pure hydrocarbon solvent.
- ☐ **Solvent tank is available**: single or double solvent tank designed for option.

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Specification for Hydrocarbon Solvent Dry Cleaning Machine

MODEL NUMBER	Unit	K200FZQ	K300FZQ	K400FZQ
CAPACITY				
Dry Weight Capacity	Kg/lbs	10/22	15/33	20/44
Drum Diameter	mm	850	950	1200
Drum Depth	mm	300	432	390
Loading Volume	dm ³	170	306	441
Under-tank Volume	dm ³	132	144	280
Washing Speed	rpm	42	40	32
High Extract Speed	rpm	930	900	800
NYLON CENTRIFUGAL FILTER				
Filter Volume	dm ³	30	55	69
Filtration Capacity 1 bar	L/h	4000	6000	7000
Filtration Area	m ²	2	4	5.5
ELECTRICITY & POWER				
Power Supply	V/P/Hz	380~415V, 3Phase, 50Hz		
Main Motor	Kw	2.2	3.0	5.5
Drying Motor	Kw	1.5	1.5	2.2
Filtering Motor	Kw	1.1	1.1	1.5
Vacuum Pump Motor	Kw	0.75	0.75	1.5
Solvent Pump	Kw	1.1	1.5	1.5
Maximum Load	Kw	6.65	7.85	12.2
Cross Section Area of Circuit (copper)	mm ²	5x4	5x4	5x6
Current Capacity of Circuit	Amps	35	35	50
Actual Current	Amps	14	16	20
CONNECTIONS				
Compressed Air Pressure	Mpa	0.5~0.6	0.5~0.6	0.5~0.6
Compressed Air Inlet	mm	φ6	φ6	φ6
Water Pressure	Mpa	0.3~0.4	0.3~0.4	0.3~0.4
Water Inlet, Outlet	inch, mm	1/2", DN15mm	1/2", DN15mm	1/2", DN15mm
Steam Pressure	Mpa	0.4~0.5	0.4~0.5	0.4~0.5
Steam Inlet, Outlet	inch, mm	1/2", DN15mm	1/2", DN15mm	1/2", DN15mm
CONSUMPTION				
Electricity, at 40 minutes of circulation	Kw	1.0	1.6	2.9
Water, in case of the temp. of the water reaching 18°C	L	85.0	90.0	100.0
Steam, at 150°C/0.5Mpa	Kg	3.8	4.0	6.5
Compressed Air per cycle	L	4.0	4.0	4.0
DIMENSION				
Width/Depth/Height	mm	1550/1350/2260	1690/1450/2350	2250/1650/2150
Net Weight	Kg	650	1080	1800

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PERC DRY CLEANING MACHINE



- ☞ PERC Solvent
- ☞ Fully-enclosed System
- ☞ With Distillation Device
- ☞ Capacity: 6, 8, 10, 12 & 15kg

RELIABILITY DURABILITY COST EFFECTIVE

PERC SOLVENT DRY CLEANING MACHINE

Automatic PERC solvent Dry cleaning machine is composed of basket, refrigeration system, water separator, centrifugal filter and heater etc. It is mainly used in the hotel, restaurant, laundry store plant to dry-clean woolen clothes and nylon clothes. Clothes can remain no wrinkle, no shrinkage, no shape change, clean and trim.

- 1. Strong refrigeration system: Evaporator in the refrigeration system can be recovered as the condenser of the dryer, the condenser in the refrigeration system can be recovered as the preheater of the dry-cleaning machine. They are put in the drying air channel together to preheat the air flow with the high temperature and pressure from condensing. By this way, drying speed is increased and steam supply is reduced to the lowest to save the energy.
- 2. Heat exchanger is big so that the heat efficiency is high and energy is saved.
- 3. Complete recycling system: Air inside the basket is completely recycled after drying process, which reaches the level in the western countries.
- 4. Dupl.-separating receiver is added to further recycle perchlorethylene, solvent so as to reduce the cost and improve environment protection level. Negative pressure sucks air inside the machine when loading and unloading machine so that the operator will not smell the perchlorethylene and working condition is improved.
- 5. Fully automatic control system by Programmable Computer with automatic and manual function, with LCD super-large screen.
- 6. Inverter drive. Frequency conversion motor adopted for energy-saving.
- 7. The distillation system with automatic control device for liquid level. And distillation will be heated by steam, the used heat of distillation may be recycled for drying.

Specification for PERC Solvent Dry Cleaning Machine

MODEL NUMBER	Unit	P120A	P150A	P220A	P250A	P300A
CAPACITY						
Dry Weight Capacity	Kg	6	8	10	12	15
Cylinder Volume	dm ³	120	160	200	240	300
Washing Speed	rpm	42	37	37	37	37
Middle Extract Speed	rpm	370	400	370	370	370
SOLVENT TANK						
No.1 Tank Volume for working	L	80	80	90	112	135
No.2 Tank Volume for working	L	80	80	90	112	135
No.3 Tank Volume for cleansing	L	80	80	90	112	135
DISTILLATION						
Distillation Tank Volume	L	90	90	100	100	138
Distillation Speed	L/min	2.3	2.3	2.3	2.3	2.3
NYLON CENTRIFUGAL FILTER						
Volume	L	45	45	60	60	72
Flow Rate at 1Bar	L/min	60	60	60	60	80
Filtration Area	m ²	2.4	2.4	3.1	3.1	4.3
Filter Specification	Pcs	12	12	20	20	28
ELECTRICITY & POWER						
Power Supply	V/P/Hz	380~415V, 3phase, 50Hz				
Max. Electric Current	A	10	10	10	10	12
Wire Cross-section Area(copper)	mm ²	2	2	2	2	4
Driving Motor	Kw	1.5	1.5	1.5	1.5	2.2
Solvent Pump	Kw	0.35	0.55	0.55	0.55	0.75
Fan Motor	Kw	0.55	0.55	0.55	0.55	1.5
Filter Motor	Kw	0.55	0.55	0.55	0.55	0.55
Exhaust Motor	Kw	0.37	0.37	0.37	0.37	0.18
Refrigerated Compressor	kw	1.12	1.12	1.75	2.7	2.25
CONNECTIONS						
Compressed Air Pressure	Mpa	0.4~0.5	0.4~0.5	0.4~0.5	0.4~0.5	0.4~0.5
Compressed Air Inlet	mm	φ8	φ8	φ8	φ8	φ8
Water Pressure	Mpa	0.2~0.3	0.2~0.3	0.2~0.3	0.2~0.3	0.2~0.3
Water Inlet, Outlet	inch	3/4"	3/4"	3/4"	3/4"	3/4"
Steam Pressure	Mpa	0.35~0.45	0.35~0.45	0.35~0.45	0.35~0.45	0.35~0.45
Steam Inlet, Outlet	inch	2x1/2"	2x1/2"	2x1/2"	2x1/2"	2x1/2"
CONSUMPTION						
Solvent, clothes dry weight		1~2%	1~2%	1~2%	1~2%	1~2%
Water for drying, per cycle at 12°C	L	100	100	100	100	100
Water for distilling, per litre solvent	L	2.4	2.4	2.4	2.4	2.4
Steam for drying, per cycle	L	5	5	5.0	5	5
Steam for distilling, per litre solvent	L	0.3	0.3	0.3	0.3	0.3
Compressed Air per cycle	L	4	4	4.0	4	4
DIMENSION						
Width/Depth/Height	mm	1510/1200/1850	1600/1250/1900	1675/1500/2000	1710/1250/1900	1820/1280/1935
Net Weight	Kg	720	750	920	1050	1180

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