AS70-90-110-140-180

HIGH SPIN ASEPTIC WASHING MACHINES

grandimpianti
intelligent laundry equipment

High spin aseptic washing machines AS70-90-110-140-180

The strength of experience

Aseptic washing machine with stainless steel drum, tub and external panels.

Drum with 3 pockets (Y frame) on models AS90-110-140-180 and with 2 pockets (Pullman frame) on model AS70.

Opposing doors to prevent any possible contact between clean and dirty laundry. In addition, inner doors are automatically aligned accordingly to the wash steps (loading at the beginning and unloading at the end).

Side stabilizers that ensure best machine stability in all possible use conditions and guarantee lower wearing of dampening system.

Microprocessor control freely programmable.

Three phase main switch, insulating transformer, soap pumps pipes connection and all the pipes required for water supply/drain and steam pipe are all featured as standard.

Optionals

- Peristaltic pumps for liquid soap automatic dosing.
- Panels made of AISI316L.
- Execution without soap dispenser in case of just automatic liquid supply available.
- Second display placed on the appliance clean side.
- Weighing static system realized through load cells.
- Selection between electric or steam heating system.
- Drum with 3 pockets (Y frame) on model AS70.
- Drum with just 2 pockets (Pullman frame) on models AS90-110-140.
- Soap dispenser for detergents manual dosing (both powder or liquid ones) made with 5 compartments.
- Tap to take water samples even when the washing machine is running.
- Light and sound signalization of end of washer cycle.
- Self lubrication of bearing's oil seal.

Frame and structure

The structure of the machine is particularly robust and suited to intensive work. The motor, located near the bottom, keeps its barycentre near the ground, reducing vibrations and noise level during spinning.

Models AS

		70	90	110	140	180
Ratio capacity	1:10 / 1:9	70 / 77.8	90 / 100	110 / 122.2	140 / 155.5	180 / 200
Drum dimensions	Diameter (mm)	1000	1000	1100	1200	1300
	Depth (mm)	900	1150	1200	1250	1400
	Volume (dm³)	700	900	1100	1400	1800
	Pockets	2 ÷ 3	2 ÷ 3	3 ÷ 2	3 ÷ 2	3
Number of door per side	N°	1	1	1	1	1
Door dimension	(mm)	765 x 340	765 x 340	765 x 340	765 x 440	765 x 440
Drum speed / G Factor	rpm	36 ÷ 800 / 358	36 ÷ 800 / 358	35 ÷ 754 / 350	32 ÷ 720 / 350	36 ÷ 695 / 350

Net and packing dimensions

		70	90	110	140	180
Net dimensions	Width (mm)	2025	2275	2325	2435	2585
	Depth (mm)	1615	1615	1615	1805	1905
	Height (mm)	1805	1805	1855	2075	2165
Packing dimensions	Width (mm)	2100	2355	2400	2485	2665
	Depth (mm)	1740	1740	1740	1940	2040
	Height (mm)	1985	1985	2080	2250	2265
	Volume (m³)	7.3	8.1	8.7	10.8	12.3
Net / Gross weight	kg	2600 / 2760	2810 / 2970	2990 / 3150	3550 / 3760	4990 / 5310

Water and air connections

		70	90	110	140	180
Water supply	kPa (bar)	300 ÷ 600 (3 ÷ 6)				
Inlets diameter	Inches	3 x 1.5 + 1 x 3/4				
Inlets number	N°	3 + 1	3 + 1	3 + 1	3 + 1	3 + 1
Drain	Inches	5	5	5	5	5
	Number	1 ÷ 2	1 ÷ 2	1 ÷ 2	1 ÷ 2	1 ÷ 2
Water consumption**	Hot water (lt)	196	242	296	346	562
	Cold water (lt)	783	966	1179	1379	1688
	Total (lt)	979	1208	1475	1725	2250
Compressed air	Diametro (mm)	10	10	10	10	10
	Pressione (bar)	6	6	6	6	6

Electric data

		70	90	110	140	180
Supply power*	V / ph / Hz	230-240V 3~50/60Hz				
		380-415V 3N 50/60Hz				
		440-480V 3~ 60Hz				
Electric thermal power	kW	72 ÷ 54	72 ÷ 54	96 ÷ 72	96 ÷ 72	- - -
Motor power	kW	11	11	15	18.5	22
Total electric power	kW	83 ÷ 65	83 ÷ 65	111 ÷ 87	111 ÷ 87	22
Noise	dB	76	85	85	80	80
Fuses (340-415V 3N)	A	125 ÷ 100	125 ÷ 100	170 ÷ 140	170 ÷ 140	40

Direct steam heated models

		70	90	110	140	180
Direct steam pressure	kPa (bar)	300 ÷ 800 (3 ÷ 8)				
Steam consumption	kg/h	68	82	102	135	176
Steam inlet	Inches	1	1	1	1	1
Total electric power	kW	11	11	15	18.5	22
Fuses	A	10 ÷ 16	10 ÷ 16	16 ÷ 20	16 ÷ 20	16 ÷ 20

Dynamic and static load

		70	90	110	140	180
Max static load	kN	31.57	35.67	39.47	48.75	64
Max dynamic load	kN	21.12 ± 1.062	29.54 ± 1.241	31.66 ± 1.41	37.74 ± 1.53	52.78 ± 1.98
Dynamic load frequency	Hz	13.4	13.4	12.6	12	11.6

* SUPPLY PROTECTION DEVICE Tripping current 100mA. If this value is not allowed or available use a 30mA selective type protection device (circuit breakers) with small time delay set. Class B RCD has better performances than class A.

**The standard EN60456 provides for the examination of the performance of the machine