

Water Droplet Drum Design

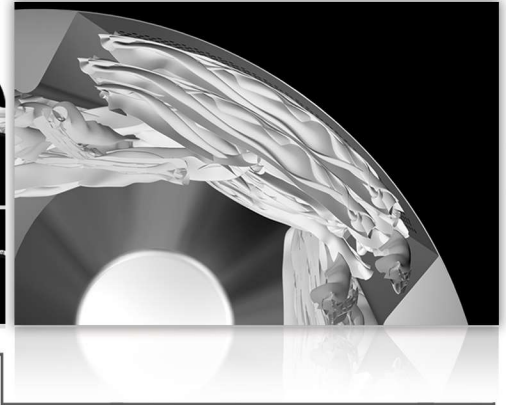
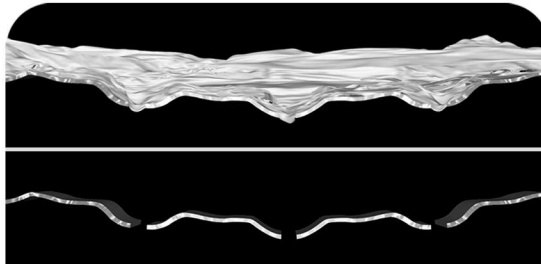


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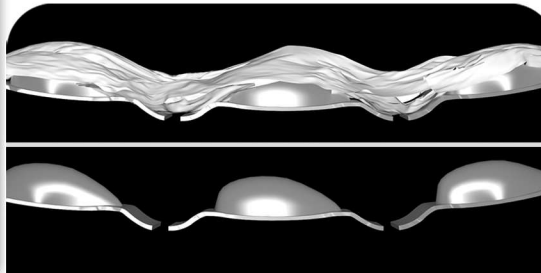
Surface Structure Comparison

When a washer spins in extract, water along with linen is forced out of the perforated holes due to the high G-Force. After high speed extraction, linens cannot easily fall off the outer walls because small parts are forced through the holes. This requires the load to be manually pulled away from the outer cylinder walls, not only potentially damaging the linen but it also time consuming.

Typical Drum Perforation Pattern (closeup view)



Water Droplet Perforation Pattern (closeup view)



Water droplet type perforation pattern creates more mechanical action for better cleaning by increasing the friction between the washer drum and the linen. In addition, the bulge of the water droplet's smooth transition protects linen by preventing it from escaping out of the perforated holes during extraction. This results in protecting the linens from snagging in the perforations while reducing the labor required to unload.



Concave-Convex texture design improves mechanical wash action by providing rubbing force in two directions with superior power effectively improving cleanliness.

The unique design of the water droplet's concave shape creates a smooth washing surface, gently lifting the load, reducing snagging and fabric damage.

Water droplet design improves drum strength by increasing the number of bends in the wrap material.

Description	unit of measure	XGQ-25FC	XGQ-50FC	XGQ-80FC	XGQ-100FC
Rated capacity (dry load)	kg / lb	25 / 60	50 / 110	80 / 175	100 / 225
Inner drum: width x depth	mm	810 x 560	990 x 701	1150 x 843	1240 x 882
Outer drum: width x depth	mm	864 x 618	1054 x 759	1218 x 922	1324 x 953
Washing/Balance speed	rpm	43/75	40/60	30/60	30/60
Medium/High Extract speed	rpm	430/830	375/750	360/700	350/680
High Extract G Force	G	297	311	315	320
Motor power (VFD)	kW	3	4	6.5	7.5
Electric heater power	kW	22.5	45	45	45
Steam connection	DN	20	20	25	25
Hot & Cold Water inlets	DN	2 x 25	2 x 25	2 x 40	2 x 40
Water consumption/load	kg	600	827	1200	1435
Steam consumption/load	kg	4	20	45	60
Electric consumption (VFD) Electric	kW.h	5	7	10.2	10.5
Electric consumption (VFD) Steam	kW.h	0.8	1	1.6	1.8
Water pressure	MPa	0.2-0.4	0.2-0.4	0.2-0.4	0.2-0.4
Steam pressure	MPa	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Compressed air pressure	MPa	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6
Overall Dimensions (L/W/H)	mm	1355/1190/1585	1550/1353/1755	1945/1600/1930	1982/1718/2020
Weight	kg	1055	1494	2570	2812

