

Specification of Removing Metal Powder in 3D Layerd

TANK NO.		PERION-AM-20-4800×2		PERION-AM-20-7200×2	
		1-1	1-2	1-1	1-2
Clean	Process	Deburring Tank	Overflow Tank	Deburring Tank	Overflow Tank
	Method	Enhanced cavitation Ultrasonic deburring	_____	Enhanced cavitation Ultrasonic deburring	_____
	Liquid	City Water	City Water	City Water	City Water
Tank	$\frac{E}{D}$ Cleaning (W×L) [mm]	745×665	745×255	1095×1095	1095×305
	Liquid Depth [mm]	580	585	620	620
	Effective liquid depth (Cleaning liquid) [mm]	460	_____	570	_____
	Liquid volume [ℓ]	Approx. 265	Approx. 110	※① Approx.740	Approx. 200
	Liquid temperature [°C]	Approx. 5~12	Approx. 5~12	Approx. 5~12	Approx. 5~12
Ultrasonic	Frequency (multiple waves) [kHz]	20~275	_____	20~275	_____
	Power Output [pcs]	4800	_____	7200	_____
	Number [pcs]	2 (opposed type)	_____	2 (opposed type)	_____
Filtration	Filter /Bag Filter [μm]	20 (pcs)×2pairs/300	_____	20 (pcs)×2pairs/300	_____
	Pump [W]	1280/60Hz	_____	1280/60Hz	_____
	Flow rate [ℓ/min]	30~60	_____	30~60	_____
Material	Tank t=2 (Partially 3 and 8mm)	SUS304	SUS304	SUS304	SUS304
	Piping	SUS, BC Tetorin braid hose etc	SUS, BC Tetorin braid hose etc	SUS, BC Tetorin braid hose etc	SUS, BC Tetorin braid hose etc
	Valve wetted part (non wetted part)	BC	BC	BC	BC
	Pump [W]	SUS	SUS	SUS	SUS
	Plate type heat exchanger	SUS, Cu, Ni	_____	SUS, Cu, Ni	_____
Main Option	Enhanced cavitation	Yes	_____	Yes	_____
	Vacuum degassing tower BlueImpact LL	Yes	_____	Yes	_____
	Ultrasonic generator 1200W	Yes	_____	Yes	_____
	Vacuum pump [W]	Yes (300)	_____	Yes (300)	_____
	105 μ SUS net for strainer	Yes	Yes (Shared)	Yes (2 pairs)	Yes (Shared)
	Pressure alarm	Yes	_____	Yes	_____
	Vacuum gauge	Yes	_____	Yes	_____
	Chiller (air-cooled)	Yes	_____	Yes	_____
	Pump (for internal pressure feed)	Yes	_____	Yes	_____

※Dimensions may be changed after design.

※① includes the volume of the transducer.