

Specification



Volute® Dewatering Press ES series

Model	ES-051-SA-CE	Quantity	1
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Items		Specification
Dimensions		L1095×W738×H1100[mm]
Total Power		0.2[kW]
Power Supply		Main Power: 380-400VAC 50Hz (3P+N+PE) Motor Power: 220-230VAC 50Hz (Delta-3P+PE) Control Circuit :24VDC
IP (Enclosure)		IP 55
Cylinder Unit	Diameter × Length	Φ50×300[mm]
	Quantity	1
	Specification	Straight Screw
	Material	1.4301
V-Screw Motor	Model	F3S25N240-CNG010TVCEX (Supplier:Nissei) Power: 220-230VAC Delta-3P / 50Hz
	Spec	Waterproof Spec (IP65)
	Power	0.1[kW]
Flocculation Tank	Dimensions	L200×W200×H350[mm]
	Capacity	Approx:10[L]
	Material	1.4301
Flocculation Tank Agitation Motor	Model	F3S20N020-CNG010TVCEX (Supplier:Nissei) Power:220-230VAC Delta-3P / 50Hz
	Spec	Waterproof Spec (IP65)
	Power	0.1[kW]
Solenoid Valve	Model	VXD252MGK (Supplier:SMC) Power: 24VDC
	Size	20DN (G3/4")
	Material	1.4401
Level Switch	Model	HF1 (Supplier: Kasuga EL.)
	Material	Holder:Resin Electrode: 1.4301
Control Panel	Model	Touch Screen: KTP700 Basic 7" (Supplier:Siemens) CPU: S7-1214C
	Dimensions	W700×H1000×D250[mm]
	Material	EN 10130 DC01

Specification Sheet No: 051ES04102019HMI

Transportation and Installation

Transportation

- Ask for an authorized party to handle, transport, or install this equipment. For details, please refer to our instruction Manual.

Installation

● Installation Conditions

Ambient Temperature	-10 ~ +40 Celsius (nonfreezing)
Ambient Humidity	90%RH Maximum (no condensing)
Altitude	Max. 1000m Above sea level
Storage Temperature	-20 ~ +65 Celsius (Temperature applicable for short time, e.g. in transit)
Power Supply	3 phase 4 wire with Neutral 380 ~ 400VAC/50Hz TN-S
*Water Pressure	0.1~0.2MPa(1-2Bar)
Overvoltage category	Category III, according to IEC60664-1
Pollution Degree	Degree 3 according to IEC60664-1
Applicable standards	EN 60204-1:2018, EN 61000-6-2:2005, EN 61000-6-4:2007, EN ISO 12100:2010, EN ISO 11202:2010 EN ISO 3746:2010, EN ISO 14120:2015 Machinery Directive (2006/42/EC) EMC Directive (2014/30/EU) LVD Directive (2014/35/EU)

* Besides above conditions, sludge to be treated must be able to make flocculation by polymer

* Use of potable water is strongly recommended. In case of other cases, please consult with AMCON.

- This equipment is for indoor use only. Install in indoor.