

## ★ Smart Grinder

*Controller with microprocessor for controlling up to 2 pump single or three-phase grinder pumps. Grinder controller allows you to manage your system, configure the parameters, logs events and messages with practically and multifunctional.*

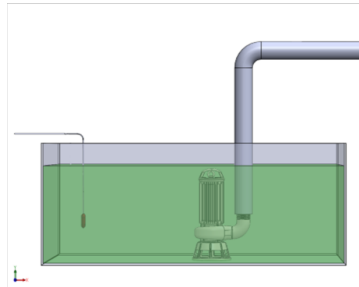


- ◇ Smart Grinder Panels are mounted in a specially designed IP 55 box that made of ABS material.
- ◇ Easy and quick set-up features with navigation buttons and readable LCD display
- ◇ Different types of connections to start and stop motor such as; pressure switches, float switch or level electrode

## Technical Features

- Thermoplastic (ABS) / IP 55
- Main switch with locking mechanism
- Power supply 1-50/60Hz 230V  $\pm$ 15%
- Power supply 3-50/60Hz 400V  $\pm$ 15%
- 128 x 64 LCD Graphical Display
- Green LED for Motor Running / Red LED for failures
- Input for start command
- Volt, Ampere, Alarms, Events and Date & Time Screen on Home Page
- Protections and Failures;
  - Motor Overcurrent / Low current (Adjustable)
  - Phase Loss and incorrect sequence
  - Min / Max Voltage (Adjustable)
  - Motor starting time
  - Over Float function
  - Dry running protection
- Motor protection fuses
- Displays pump run time
- Display and adjust to Maintenance time
- Password protection for un-authorized people access.
- USB port for downloading failures, messages, events and alarms with date&time. (Last 500)
- Adjustable backward rotation function

## Applications



Level Electrode

## Technical Data

### Smart Grinder 1

Smart Grinder 1		VOLTAGE		MAX		CURRENT		BOX DIMENSIONS			WEIGHT
	CODE	V-	kW	Hp	Range	Max	D	E	G	Material	KG
Smart Grinder 1 - 4/ Tri	14001	3 - 400	4	5.5	0-8.6	8.6	310	250	130	ABS	
Smart Grinder 1 - 5.5 / Tri	14002	3 - 400	5.5	7.5	0-11.6	11.6	310	250	130	ABS	
Smart Grinder 1 - 7.5 / Tri	14003	3 - 400	7.5	10	0-15.8	15.8	310	250	130	ABS	
Smart Grinder 1 - 11 / Tri	14004	3 - 400	11	15	0-25	25	310	250	130	ABS	
Smart Grinder 1 - 15 / Tri	14005	3 - 400	15	20	0-32	32	310	250	130	ABS	

### Smart Grinder 1

Smart Grinder 2		VOLTAGE		MAX POWER		CURRENT		BOX DIMENSIONS			WEIGHT
	CODE	V-	kW	Hp	Range	Max	D	E	G	Material	KG
Smart Grinder 2 - 4/ Tri	14201	3 - 400	4	5.5	0-8.6	8.6	310	250	130	ABS	
Smart Grinder 2 - 5.5 / Tri	14202	3 - 400	5.5	7.5	0-11.6	11.6	310	250	130	ABS	
Smart Grinder 2 - 7.5 / Tri	14203	3 - 400	7.5	10	0-15.8	15.8	310	250	130	ABS	
Smart Grinder 2 - 11 / Tri	14204	3 - 400	11	15	0-25	25	310	250	130	ABS	
Smart Grinder 2 - 15 / Tri	14205	3 - 400	15	20	0-32	32	310	250	130	ABS	

\*It is possible to realize the panel for 18.5 kW and largest capacity according to demand

\*\*Please contact us for custom design production

## Optional Accessories

### Floater



Model	mt
F-S/5	5
P-T/10	10
P-T/15	15
P-T/20	20

### Level Electrode



Model	Voltage (V)	Range
L-E/5	12	10 Bar

### Pressure Switch



Model	Range	Range Settings
P-S/10	1-5 Bar	10 Bar
P-S/16	3-12 Bar	16 Bar
P-S/25	2-14 Bar	25 Bar