

AUTOMATIC CONTROL PANELS

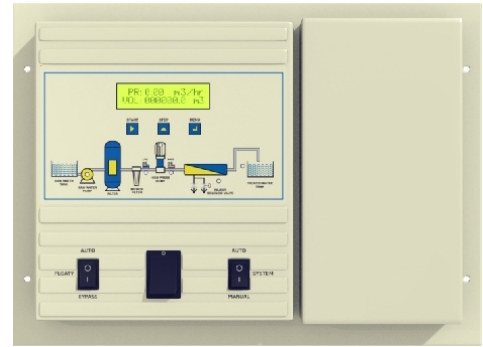


Compact Microprocessor based PLUG & PLAY Control Panels with plant operation preprogrammed and all safeties inbuilt. These panels along with the required level, pressure, conductivity and flow sensors help in making the entire plant completely automatic.

ASTERO LCD NG



ASTERO 11/ 13/ 33



ASTERO 133/ 333

*Customized
to your needs
with
international standards!*

Panel Configuration	11	13	33	133	333
Overall Size	230(H) x 255(V) x 130(D)			345(H) x 255(V) x 130(D)	
Cutout Size	190(H) x 222(V)			305(H) x 222(V)	
Display	16 X 2 alphanumeric display				
Mounting	Wall/ Panel Mount				
Raw Water Pump	2 hp 1Φ	2 hp 1Φ	5 hp 3Φ	2 hp 1Φ	5 hp 3Φ
High Pressure Pump	2 hp 1Φ	5 hp 3Φ	5 hp 3Φ*	5 hp 3Φ*	5 hp 3Φ*
Transfer Pump	N.A.			5 hp 3Φ	
Input	5 SWITCH INPUTS (LPS, HPS, TWT FLT, DOSING TANK LEVEL & RWT LEVEL OR TWT LOW LEVEL) CONDUCTIVITY/ TDS FLOW INPUT (WITH TOTALISER)				
Output	RWP, HPP, FLUSH SOLENOID VALVE & AUX O/P OR THIRD PUMP AUX O/P can be configured as PUMP ON or ALARM or doser.				

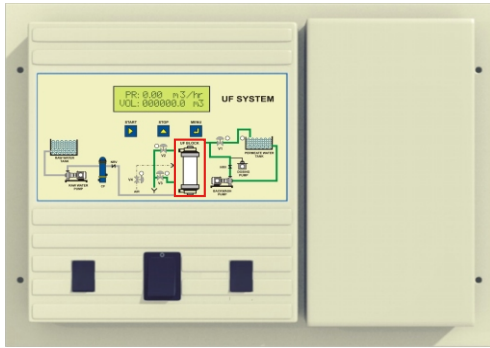
• All dimensions are in mm.
*Higher HP. optional
H- horizontal, V- vertical

KEY ATTRIBUTES

- **COMPLETE RO LOGIC** programmed
- **MIMIC DIAGRAM** with 6 LEDs for I/O indication
- 16X2 **ALPHANUMERIC LCD DISPLAY** with keypad for programming
- **AUTOMATICALLY FLUSHES** the membrane during starting, stopping and after a set period, takes care of required **MOTOR PROTECTION** such as overload/single phasing/dry running
- **AUTO/MANUAL FACILITY** (even in manual mode, motor protection doesn't get bypassed)
- **IN BUILT FLOW RATE INDICATOR WITH TOTALISER**
- **IN BUILT OPERATION HOUR COUNTER**
- **IN BUILT CONDUCTIVITY/TDS INDICATOR**
- Equipped to **SUIT AUTO-MULTIPOINT VALVE** in pre-treatment
- **PASSWORD PROTECTED** settings

UF NG PANEL

Compact Micro-processor based Plug & Play control panels with plant operation programmed and all safeties inbuilt.



Panel Configuration	UF NG	UF NG+
Overall Size	345 x 255 x 130	400 x 325 x 130
Cutout Size	305 x 222	NA
Display	16 X 2 alphanumeric display	
Input	RWT Level, TWT Level High Pressure, Dosing Tank Level, TWT Low Level	
Output (pump)	RW Pump, Backwash Pump, 2 Doser	
Output (valves)	4	8

· All dimensions are in mm.

KEY ATTRIBUTES

- Multiple LED **MIMIC DIAGRAM** for ease of understanding.
- In built switch gears for Feed & backwash pump with required **MOTOR PROTECTION**.
- **CONNECTIONS SUITABLE FOR SOLENOID AS WELL AS MOTORIZED VALVE**.
- **SEPARATE OUTPUTS** for dosing pumps during Chemical enhanced backwash.
- **PROVISION FOR CHLORINE DOSING DURING SERVICE & FORWARD FLUSH**.
- **ALL STEP TIMINGS ARE SETTABLE AT SITE**.
- Set-able Pump on & Pump off delays to **AVOID WATER HAMMERING**.
- **PREPROGRAMMED LOGIC SUITABLE FOR ALL TYPE OF MEMBRANES**.
- Facility to **HOLD/SKIP/STOP** any step.
- **USER SETTABLE FREQUENCY** for CEB & Backwash cycles.
- In built facility for **AIR SCOURING, DRAIN OUT**.
- **IN BUILT SAFETY** against over pressurizing of membrane due to valve malfunction.

RO-LITE



KEY ATTRIBUTES

- **IDEAL FOR SMALL RO PLANTS**
- **AUTO/MANUAL** facility
- **MIMIC DIAGRAM** with bright LED indications for I/OS

Overall Size	105 x 105 x 130mm
Cutout Size	90mm x 90mm
Mounting	Panel/Field
Supply	230V A.C. ±10%
Inputs	RWT Level LPS TWT Level
Outputs	RWP: 0.5 HP 1Ø Max. HPP: 1 HP 1Ø Max. Flush Solenoid Valve: 230V Coil NC Type