



## Product Range

- ✓ Servo Voltage Stabilizers
- ✓ Ultra Isolation Transformers
- ✓ Static Voltage Stabilizers

# SERVO CONTROL AIR COOLED VOLTAGE STABILIZER

(UP TO 150 kva)

Super Serve is one of the leading player of servo controlled voltage stabilizers. This equipment is used to obtain a steady three phase AC supply within very close tolerances to a fluctuating mains. This equipment finds application in Dairy industry, Chemical, Process Industry, Research Establishment and Hospitality industry etc.



## PROTECTION

- ♦ Over Voltage Protection
- ♦ Under Voltage Protection
- ♦ Single Phasing Preventer
- ♦ Phase Reversal Preventer
- ♦ Short Circuit Protection

## CONTROL SYSTEM

Plug in type Micro processor based control card for high reliability, accuracy & easy maintenance.

## MS ENCLOSURE

Spacious pipe structure design duly powder coated for easy maintenance with wheels for smooth movement.

## DISPLAY & INDICATION

**VIF Indicator** : This digital display gives the information of voltage, current and frequency of the all phase for both input and output.

**Trip Indication** : Trip indication for individual phases for both undervoltage and over voltage condition.

**In Low or In High Voltage** : Mains incoming indicator Neon lamp for all phase.

**Error Loggings** : Fault + Error Log with Time & Date.

## TECHNICAL SPECIFICATION :

1.	Input Voltage Range 3-phase	: 360-460-, 340-480, 300-500 v (Or as per customer specification)
2.	Input Voltage Range 1-phase	: 160-270, 180-280, 130-260 v
3.	Output Voltage Range 3-phase	: 415, 400, 380 v
4.	Output Voltage Range 1-phase	: 240, 230, 220 v
5.	System Construction	: Unbalanced Type
6.	Output Voltage Regulation	: +/- 1%
7.	Overload Capacity	: 120 %
8.	Correction Speed	: 35 v/sec, 70 v/sec, 110 v/sec (optional with D.C. motor)
9.	Wave Form Distortion	: Nil
10.	Output Wave Form	: True reproduction of input
11.	Cooling	: air-cooled up to 125 kva
12.	Modes Of System	: Both auto or manual
13.	System Construction	: as per IS 9815-1994



## PROTECTION

- ♦ Over Voltage Protection
- ♦ Phase Reversal Preventer
- ♦ Under Voltage Protection
- ♦ Short Circuit Protection
- ♦ Single Phasing Preventer

## CONTROL SYSTEM

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## TECHNICAL SPECIFICATION :

PARAMETERS	SPECIFICATION	PARAMETERS	SPECIFICATION
Rating	10 KVA TO 300 KVA	PARAMETERS LIST	1) OUTPUT VOLTAGE ( L-L & L-N)
Phase	3 PHASE		2) INPUT VOLTAGE (L-L & L-N)
Control Type	High Frequency 20 KHz IGBT driven Voltage Regulator/Converter		3) LOAD CURRENT (R-Y-B)
Input Voltage Range	340 – 480 v (Regular range) can be customized as per requirement)		4) FREQUENCY
Output Voltage	400 V AC		5) DATE
Voltage Regulation	+/- 1% at Full Load		6) TIME
Efficiency	>97 %		7) SYSTEM STATUS
Input Frequency	50Hz +/- 6 %	Correction Time	20 millisecond
Wave Form	Sine wave	Operating Temperature	0°C to 55°C
Effect of Power factor	Nil	Duty Cycle	100 % Continues
Display	LCD type	Nature of Cooling	Forced Air Cooled
Rate of Correction	4000 V / sec	Protections	<ul style="list-style-type: none"> <li>• Over voltage Protection</li> <li>• Under Voltage Protection</li> <li>• short-circuit Protection (Through MCCB at Input side)</li> <li>• Single Phasing Preventer</li> <li>• Phase Reversal Preventer</li> </ul> (all protections are with 5- 60 sec time delay)
Control System	Microprocessor based LCD type display Control system with following features		• Surge protection device (SPD)
	1) Plug In type Control system for easy maintenance	Trip & Restart	Yes. Available
	2) STOP KEY : TO SWITCH OFF O/P LOAD TO EDIT SELECTED DIGIT	MCCB	250 Amp MCCB of suitable Rating of 10kA at Input Side
	3) START KEY : TO SWITCH ON O/P LOAD TO SELECT THE DIGIT		
	4) MENU KEY : TO VIEW PARAMETERS/ SETTINGS	Powder Coating Color	RAL 7032
	5) LOG KEY : TO VIEW ERROR LOG FOR CALIBRATION PURPOSE	Termination	Input & Output Termination Busbars
		Earthing	Earthing bolt will be provided
		Indications	<ul style="list-style-type: none"> <li>• Input Normal LED</li> <li>• Output Normal LED</li> <li>• Phase Reverse LED</li> <li>• Over load LED</li> </ul>
		IP Rating	IP 20
		Movement	Wheels are provided for smooth movement
		Cable Gland	Individual cable gland provided for Input & Output cable Entry

# SERVO CONTROL OIL COOLED VOLTAGE STABILIZER

(UP TO 2000 kva)

Super Serve is one of the leading player of servo controlled voltage stabilizers. This equipment is used to obtain a steady three phase AC supply within very close tolerances to a fluctuating mains. This equipment finds application in Dairy industry, Chemical, Process Industry, Research Establishment and Hospitality industry etc.



## PROTECTION

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- ♦ Under Voltage Protection
- ♦ Single Phasing Preventer
- ♦ Phase Reversal Preventer
- ♦ Short Circuit Protection

## CONTROL SYSTEM

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3.	Output Voltage Range 3-phase	: 415, 400, 380 v
4.	Output Voltage Range 1-phase	: 240, 230, 220 v
5.	System Construction	: Unbalanced Type
6.	Output Voltage Regulation	: +/- 1%
7.	Overload Capacity	: 120 %
8.	Correction Speed	: 35 v/sec, 70 v/sec, 110 v/sec (optional with D.C. motor)
9.	Wave Form Distortion	: Nil
10.	Output Wave Form	: True reproduction of input
11.	Cooling	: Natural air-cooled up to 125 kva
12.	Modes Of System	: Both auto or manual
13.	System Construction	: as per IS 9815-1994

### Register Office :

507, 5th Floor, Skylar, Nr. Shalin Bungalows,  
Opp. Auda Talav, Prahladnagar,  
Ahmedabad - 380015.

### Sales Office :

8, Sonal Tenament, Sonal Char Rasta,  
Gurukul Road, Memnagar,  
Ahmedabad - 380052.

+91-99250 45986 | +91-96016 26170  
info@superserveemech.com  
www.superserveemech.com