

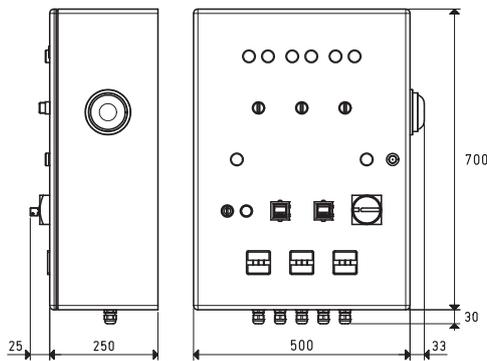


## SWITCHGEAR FOR SAFETY PUMP SETS WITH THREE PUMPS

The pump set switchgear, is enclosed in a special watertight metal casing and automatically manages three vacuum pumps, each with a power up to 7.5 KW and maintains the level of vacuum in the tank, set with the two easily-programmable digital vacuum switches, suitable for setting and controlling all vacuum functions.

It is equipped with three remote control switches with thermal protection, fuses, a transformer for low voltage auxiliary command power supply, a line switch, a changeover switches for the automatic or manual pump operation, three digital vacuum switches, two hour-counters for measuring the actual pump operation time, an alarm siren with acoustic and lit signalling, a key selector for any necessary exclusion of the siren, test buttons and signalling lamps. The switchgear is normally provides for the operation of one pump with subsequent automatic insertion of the other two for larger consumptions and when, for whatever reason, the plant level of vacuum goes under the preset value.

The automatic timed inverter precisely alternates priority pump start-up of the services so that they are subjected to equal mechanical wear. The switchboard and remote alarm systems operate when the plant level of vacuum is below the set safety value.



Item	Quantity of pumps No.	Motor performance Volt	Max pump power Kw	Weight Kg
DSO 300 98V	3	3 ~ 230/400-50Hz	7.5 cad.	29

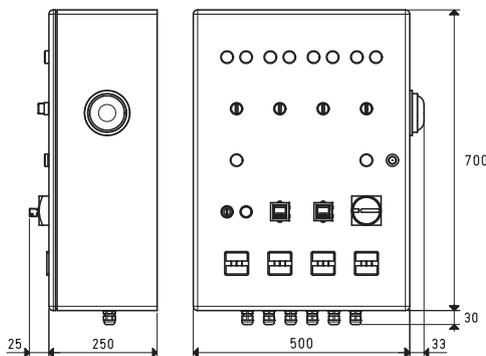
## SWITCHGEAR FOR SAFETY PUMP SET WITH FOUR PUMPS

The safety pump set switchgear is enclosed in a special watertight metal casing and it automatically manages four vacuum pumps, each with a power up to 7.5 KW, and maintains the level of vacuum in the tank, set with the two easily-programmable digital vacuum switches, suitable for setting and controlling all vacuum functions. It is equipped with four remote control switches with thermal protection, fuses, a transformer for low voltage auxiliary command power supply, a line switch, a changeover switches for the automatic or manual pump operation, two digital vacuum switches, four hour-counters for measuring the actual pump operation time, an alarm siren with acoustic and lit signalling, a key selector for any necessary exclusion of the siren, test buttons and signalling lamps.

These switchgears normally provide for the operation of two pumps and the subsequent automatic insertion of the other two for larger consumptions and when, for whatever reason, the plant level of vacuum goes below the preset value.

The automatic timed inverter precisely alternates priority pump start-up of the services so that they are subjected to equal mechanical wear.

The switchboard and remote alarm systems operate when the plant level of vacuum is below the set safety value.



Item	Quantity of pumps No.	Motor performance Volt	Max pump power Kw	Weight Kg
DSV 2000 99V	4	3 ~ 230/400-50Hz	7.5 cad.	29.5

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity)

$$\text{inch} = \frac{\text{mm}}{25.4}; \text{pounds} = \frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$$