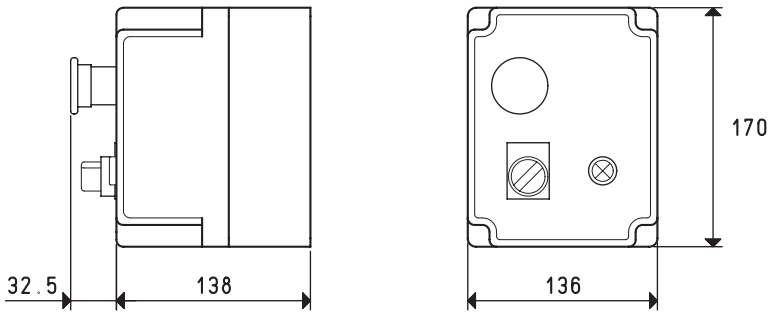
MINI PUMPSET SWITCHGEAR

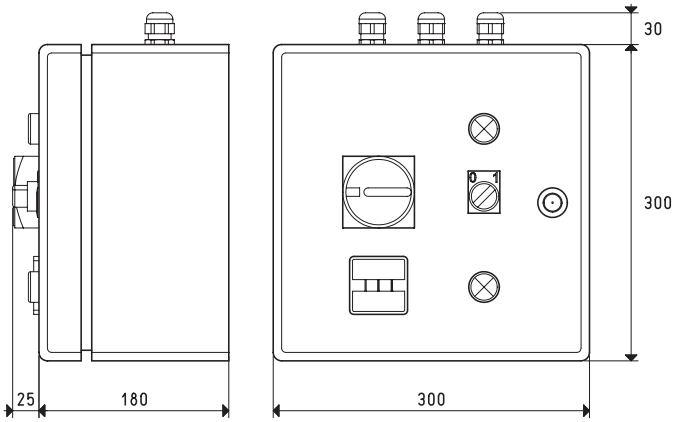
The mini pumpset switchgear is enclosed in a special plastic casing and it can manage a vacuum pump with a maximum power of 1 KW with AC and 0.5 KW with DC as well as automatically maintain the vacuum level, set with the vacuum switch, in the tank. It is equipped with a remote control switch with adjustable thermal protection, a transformer for low voltage auxiliary command power supply (with AC only), a line switch with indicator light and a deviator for the automatic or continuous pump operation.



Art.	Number of pumps	Motor execution	Pump max- power	Weight
	n°	Volt	Kw	Kg
D0 06 90	1	1 ~ 230-50Hz	1.0	2
D0 06 92	1	3 ~ 230/400-50Hz	1.0	2
D0 06 93	1	= 24-CC	0.5	2

SWITCHGEAR FOR PUMPSETS WITH ONE PUMP

The pumpset switchgear is enclosed in a special watertight metal casing and can manage a vacuum pump with a power up to 3 KW, or from 4 to 7.5 KW and it automatically maintains the vacuum level, set with the vacuum switch, in the tank. It is equipped with fuses, remote control switch with thermal protection, a transformer for low voltage auxiliary command power supply, a line switch with indicator light, a change-over switch for the automatic or continuous pump operation and an hour-counter for measuring the actual pump operation time.

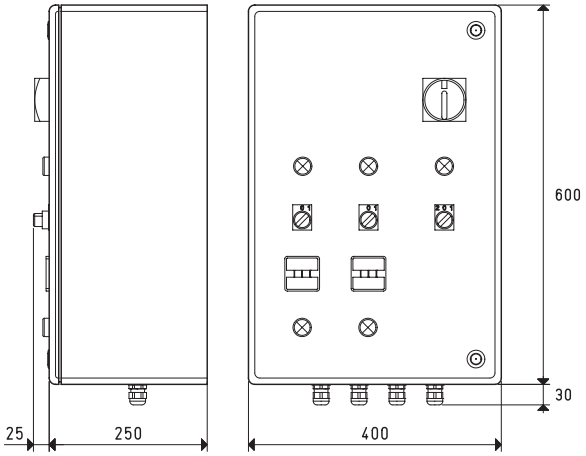


Art.	Number of pumps	Motor execution	Pump max. power	Weight
	n°	Volt	Kw	Kg
D0 100 89	1	1 ~ 230-50Hz	1.0	8
D0 100 90	1	3 ~ 230/400-50Hz	3.0	8
D0 100 91	1	3 ~ 230/400-50Hz	7.5	8

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

SWITCHGEAR FOR PUMPSETS WITH TWO PUMPS

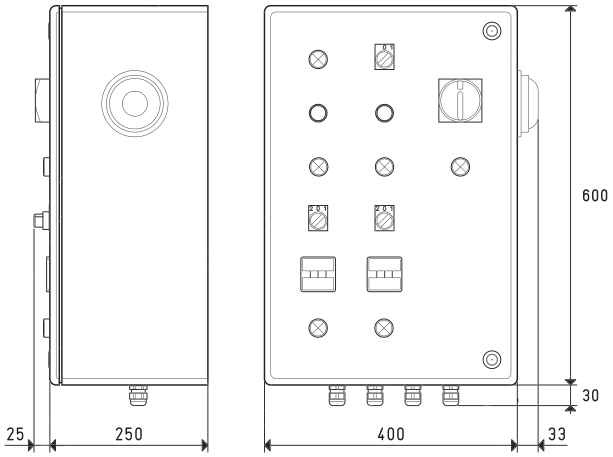
The pumpset switchgear, is enclosed in a special watertight metal casingand it manages two vacuum pumps, each with a power up to 3 KW, or from 4 to 7.5 KW and automatically maintains the vacuum level, set with the vacuum switch, in the tank.
It is equipped with fuses, two remote control switches with thermal protection, a transformer for low voltage auxiliary command power supply, a line switch with indicator light, two change-over switches for automatic or continuous pump operation and two hour-counters for measuring the actual pump operation time.



Art.	Number of pumps	Motor execution	Pump max. power	Weight
	n°	Volt	Kw	Kg
D2V 150 90	2	3 ~ 230/400-50Hz	3.0 cad.	24
D2V 150 92	2	3 ~ 230/400-50Hz	7.5 cad.	24

SWITCHGEAR FOR SAFETY PUMPSETS WITH TWO PUMPS

The safety pumpset switchgear is enclosed in a special watertight metal casing and it manages two vacuum pumps, each with a power up to 3 KW, or from 4 to 7.5 KW and it automatically maintains the vacuum level, set with the vacuum switches, in the tank.
It is equipped with fuses, two remote control switches with thermal protection, a transformer for low voltage auxiliary command power supply, an automatic time-set inverter, electrical connection terminal blocks and, on the panel, a main switch with door-opening unit, line indicator lights and pump service, two change-over switches for manual or automatic operation, an alarm device with sound and light signal, alarm-test buttons and two hour-counters for measuring the actual pump operation time.
These switchgears normally provide for the operation of one pump, with the subsequent automatic insertion of the second one for larger consumptions and when, for whatever reason, the plant vacuum level goes below the preset value.
An automatic time-set inverter accurately alternates the start-up of the pumps, so that they are both subject to the same mechanical wear.
The switchboard and the remote alarm systems start up when the plant vacuum level goes below the set minimum safety level.



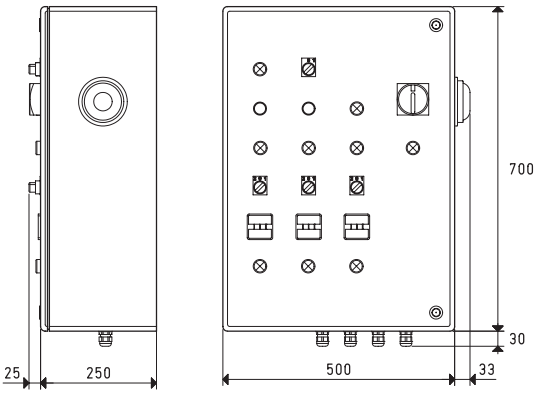
Art.	Number of pumps	Motor execution	Pump max. power	Weight
	n°	Volt	Kw	Kg
DS0 300 90	2	3 ~ 230/400-50Hz	3.0 cad.	27
DS0 300 91	2	3 ~ 230/400-50Hz	7.5 cad.	27

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$

SWITCHGEAR FOR SAFETY PUMPSETS WITH THREE PUMPS

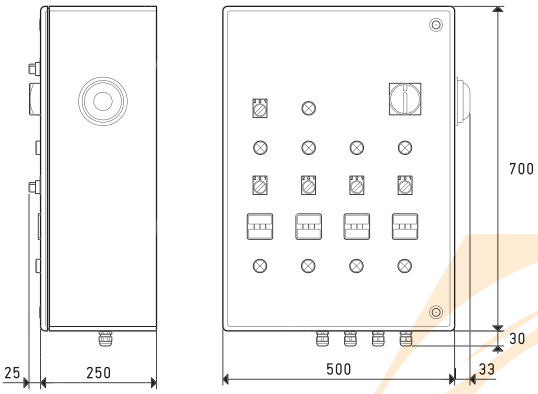
The safety pumpset switchgear is enclosed in a special watertight metal casing and it manages three vacuum pumps, each with a power up to 3 KW, or from 4 to 7.5 KW and it automatically maintains the vacuum level, set with the vacuum switches, in the tank.
It is equipped with fuses, three remote control switches with thermal protection, a transformer for low voltage auxiliary command power supply, an automatic time-set inverter, electrical connection terminal blocks and, on the control panel, a main switch with door-opening unit, line indicator lights and pump service, three change-over switches for manual or automatic operation, an alarm device with sound and light signal, alarm-test buttons and three hour-counters for measuring the actual pump operation time.
These switchgears normally provide for the operation of one pump, with subsequent automatic insertion of the other two for larger consumptions and when, for whatever reason, the plant vacuum level goes below the preset value.
An automatic time-set inverter, accurately alternates the start-up of the pumps, so that they are both subject to the same mechanical wear.
The switchboard and the remote alarm systems start up when the plant vacuum level goes below the set minimum safety level



Art.	Number of pumps n°	Motor execution Volt	Pump max. power Kw	Weight Kg
DS0 300 95	3	3 ~ 230/400-50Hz	3.0 cad.	29
DS0 300 96	3	3 ~ 230/400-50Hz	7.5 cad.	29

SWITCHGEAR FOR SAFETY PUMPSETS WITH FOUR PUMPS

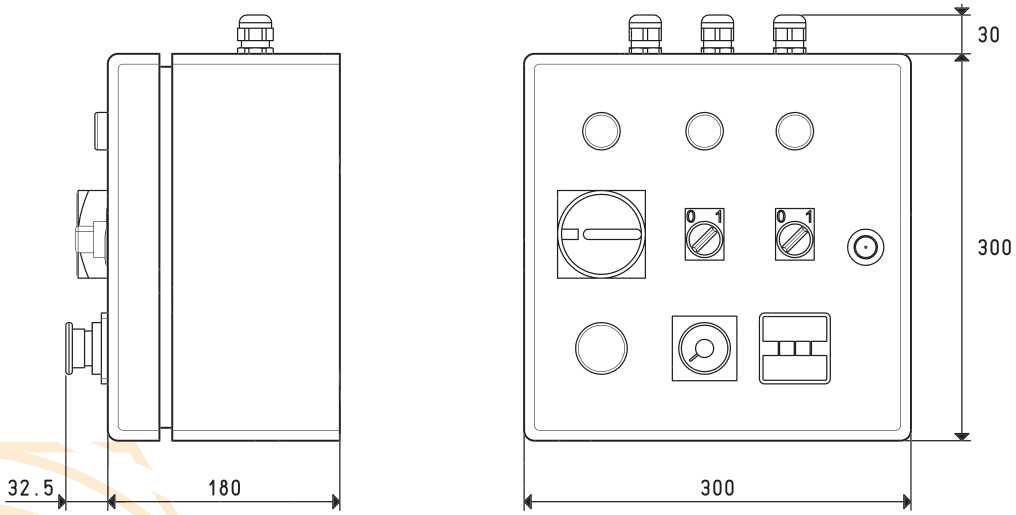
The safety pumpset switchgear is enclosed in a special watertight metal casing and it manages four vacuum pumps, each with a power up to 3 KW, or from 4 to 7.5 KW and it automatically maintains the vacuum level, set with the vacuum switches, in the tank.
It is equipped with fuses, four remote control switches with thermal protection, a transformer for low voltage auxiliary command power supply, an automatic time-set inverter, electrical connection terminal blocks and, on the control panel, a main switch with door-opening unit, line indicator lights and pump service, four change-over switches for manual or automatic operation, an alarm device with sound and light signal, alarm-test buttons e four hour-counters for measuring the actual pump operation time.
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 vacuum level goes below the preset value.
An automatic time-set inverter, accurately alternates the start-up of the pumps, so that they are both subject to the same mechanical wear.
The switchboard and the remote alarm systems start up when the plant vacuum level goes below the set minimum safety level.



Art.	Number of pumps n°	Motor execution Volt	Pump max. power Kw	Weight Kg
DSV 2000 90	4	3 ~ 230/400-50Hz	3.0 cad.	29.5
DSV 2000 91	4	3 ~ 230/400-50Hz	7.5 cad.	29.5

SINGLE PUMP SAFETY SWITCHGEAR

The need to use the same vacuum pump in various spots in the work environment, such as, for example, a shipyard, has led us to creating this mobile switchgear that allows for polarity reversal in presence of current, as well as for time setting pump operation and the automatic start-up restoration in case of accidental black-out.
The switchgear is enclosed in a special watertight metal casing and it is composed of fuses, remote control switches with thermal protection, a transformer for low voltage auxiliary command power supply.
On the casing lid, on the other hand there are installed:
- A line switch with indicator light;
- A change-over switch for pump start-up with indicator light;
- A change-over switch for polarity reversal;
- An emergency button;
- A timer for setting the duration of pump operation;
- An hour-counter for counting the actual pump operation time;
- A malfunction warning light.
This switchgear is available in two versions: the first one managing a vacuum pump with a power up to Kw and the second one a vacuum pump with a power ranging from 4 to 7.5 Kw.



Art.	Number of pumps n°	Motor execution Volt	Pump max. power Kw	Weight Kg
DO 100 93	1	3 ~ 230/400-50Hz	3.0	8.0
DO 100 94	1	3 ~ 230/400-50Hz	7.5	8.0

3D drawings available at **www.vuototecnica.net**

Conversion ratio: inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$