

Superamas Flags Installation

HIGH ART

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The installation consists in flags choreography.

It's made of a flat ring of 4,70 m diameter, 40 cm high, with 10 flags mast of 5,55 m high on.

20 motors command the mast's rotation and the up/down movement of the flags.

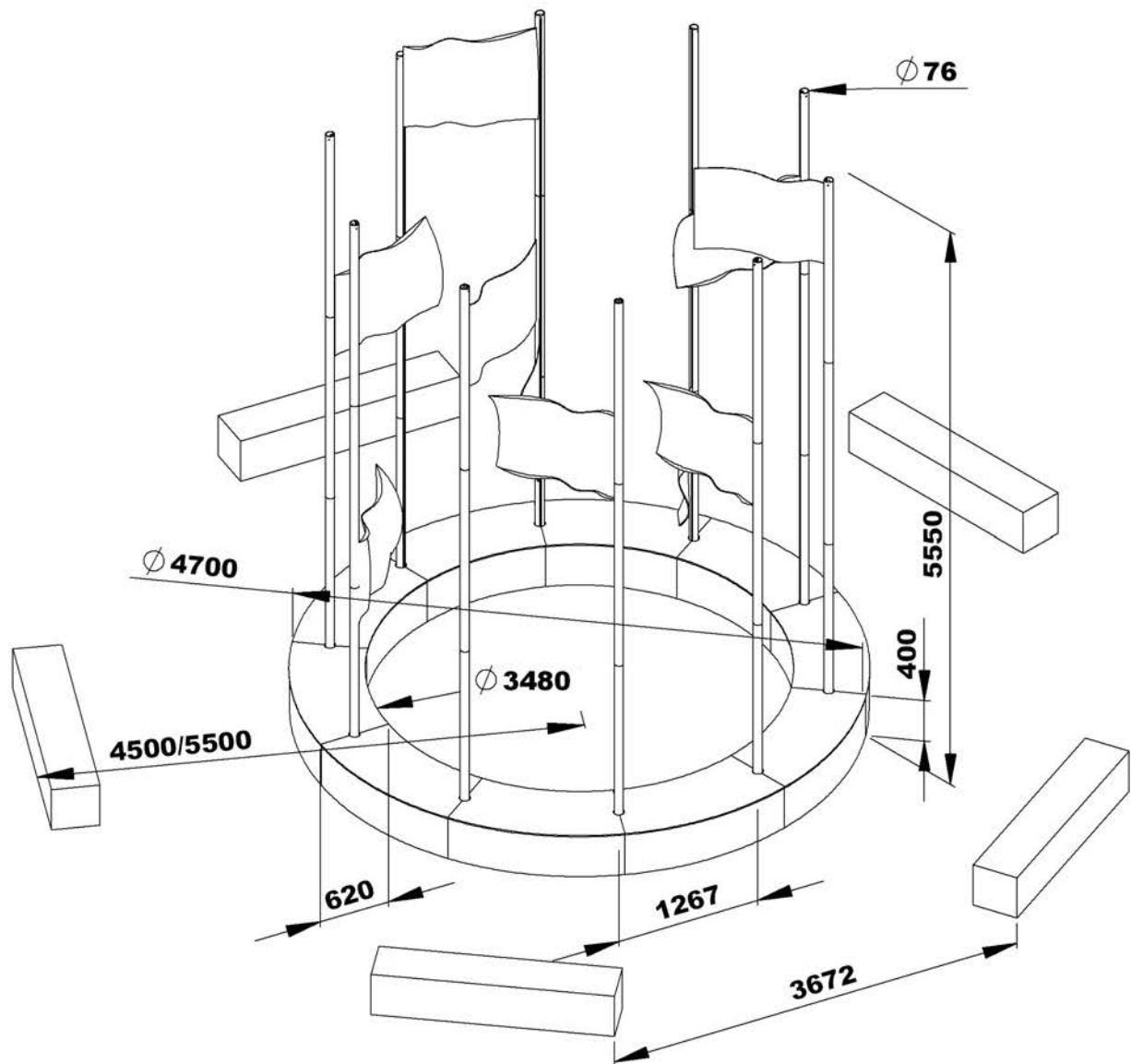
10 pneumatic valves command the compressed air to make the flags floating.

A big air compressor makes the compressed air.

All the movements system and sound are running by a computer inside or outside the ring

The minimum rectangular area is 10 m X 10 m

The minimum height under ceiling is 6 m.



Equipment to be supplied by the theatre/organizer:

- SET:

- Power requirement for the set: 1 line 220V / 16A.
- 5 benches built with white melamine-coated wood (400x400x1500/2000). The headphones are set on the bench and the amplifier inside.
- An exhibition cord barrier must be placed around the set (at 1 meter minimum)
- Electrical air compressor with buffer air tank and **with air dryer**
Power \approx 45/50cv. Working pressure 10 bar (8,5 bar minimum).
Air outflow 5 m³/min (4,5 m³/min minimum).
Power for the air compressor depending of its model (1 line 380/400V / 64A).
- Air tube 10/20 m length depending of the compressor position (interior \varnothing 19 mm mini).

The compressor must be sound isolated from the installation (situated in an other room at 20 m maximum from the installation ring).

COMPRESSOR EXAMPLE:



Type		SMART 30
Motor-Nennleistung	kW	30
Volumenstrom [m³/min] nach CAGI/ PNEUROP PN2 CPTC2 bei Höchstdruck	8 bar(ü)	4,60
	10 bar(ü)	4,12
	13 bar(ü)	3,40
Geräuschpegel	dB(A)	76*
Kühlluftvolumenstrom SMART	m³/h	5400
Kühlluftvolumenstrom SMART-PLUS	m³/h	6900
Länge	mm	1270
Breite SMART	mm	795
Breite SMART-PLUS	mm	1075
Höhe	mm	1170
Gewicht SMART	kg	580
Gewicht SMART-PLUS	kg	655
Druckluftabgang	G	1 1/2"



	Betriebs- überdruck [bar(ü)]	Volumenstrom*		Motornenn- leistung [kw]	Standard	
		min. [m³/min]	max. [m³/min]		Abmessungen [cm] L x B x H	Gewicht [kg]
SOLO 30	5 – 13***	0,84	4,10	30	114x89x131	365



<http://www.maescompressoren.be/>

INGERSOLL-RAND model: MH 37						
Rated Pressure bar	Nominal Power kW	Flow m3min	Length cm	Width cm	Height cm	Weight kg
10	37	5.6	170	160	170	907

- **SOUND:**

OPENNING:

- 4 speakers with 2m stand and 2 sub bass. Ref: db, L Acoustic, Nexo
- Amplifiers and cables
- 1 stereo graphic EQ 31 bands. Ref: BBS, dbx, Klark (no Yamaha)

EXHIBITION:

- Option A: 20/25 hi-fi stereo hard shell headphones wireless
- 1 digital mixing board with 4 outs
- Option B: 20/25 hi-fi stereo hard shell headphones, with 5 headphone amplifiers
- 1 digital mixing board with 12 outs (groups and aux)
- 10 cables (20 m long) to reach the 5 amplifiers in the benches.
- 2 XLR cables (10m long) to plug the computer to mixing board

- **LIGHT:**

- Daylight and ambient light (to be defined according to the room)
- 2 Fresnels 2KW
- 4 Pars 64 1KW bulb CP62
- 10 mini-profile or profile 1KW, 12° to 30° with Filter Rosco 114
- 1 dimmer 12 channels x 2KW

- **SET UP SCHEDULE:**

- 1 day set up before the opening day with 1 stagehands, 1 light technician and 1 sound technician.
- The strike down takes around 2 hours with 2 stagehands for the installation itself.

NB: the set has to be transported and the costs are on the festival/venue!