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10200 FONTAINE

COMPACTOR 2000 - Portable monitor - 2000 l/min at 6 bar - with self oscillation device

DESCRIPTION

- Composed with the following elements:
- Inlet with swiveling coupling.
- Patented «VSC» safety system.
- Hydraulic oscillation device, for horizontal motion, adjustable arc of oscillation and speed.
- A kneecap patented vertical trajectory device.
- A knob for the blocking in position for the horizontal motion.
- A pressure gauge.
- Two folding legs with carbide spikes.
- A transport handle with a hanging ring.

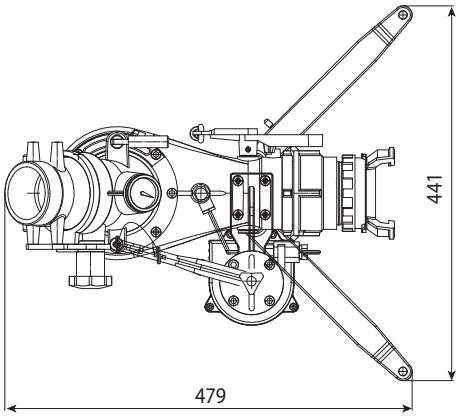
Options
- Hydraulic oscillation device with a flexible hose to insure the evacuation of the driving water (1).
- A version without oscillation device.
- Storage device (2).

OUTLET EQUIPMENT

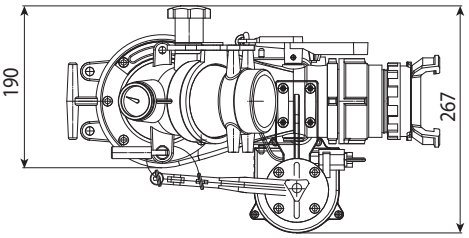
TURBOPONS 1500 and 2000, TURBOMATIC 1500 and 2000 nozzles, GIGOGNE branchpipe, OPTRAMOUSSE foam adaptor. See details on specific pages.

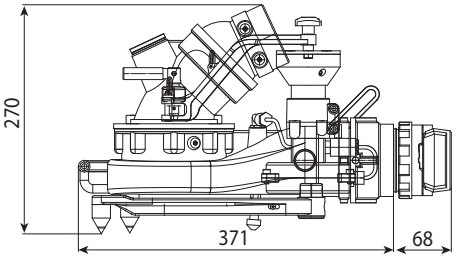
STANDARDS

Monitor in compliance with :
- NF EN 15767-1 : Portable monitors – General instructions.
- NF EN 15767-2 : Portable monitors – water equipment.
- NF EN 15767-3 : Portable monitors – foam equipment.



Unfolded position





Folded position

PERFORMANCES

Travel angles :
- Vertical trajectory : from +25° to +70° from the horizontal
- Horizontal rotation : 360°

Angle adjustment of the oscillation : 30° on both sides of the longitudinal axis

Oscillation frequency: from 0 to 2 second per motion and stop position

Maximum pressure of use: 16 bar

Hydraulic performances: see outlet equipments

CHARACTERISTICS

Model	Inlet	Outlet	Article code	Weight (kg)
COMPACTOR with oscillation device	DSP 65	FM G 2½ B	3460.526B	8,400
	FF G 2½	FM G 2½ B	3460.540B	8,300
	STORZ B.75	FM G 2½ B	3460.528B	8,400
	INST 2 M½	FM G 2½ B	3460.526BI	8,400
	GOST 70	FM G 2½ B	3460.526BG	8,400
	GOST 80	FM G 2½ B	3460.527BG	8,400
Storage device	-	-	3460.R	1,300

COMPACTOR oscillation and evacuation flexible hose, same article code, just adding the letter R at the end of the code.

INSTRUCTIONS OF USE

509901.93 - n° 41/110401D (A)

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WARNING

Before using the monitor, check the good state of the box, and be sure that the product or any of its components have not been damaged during the transport.

CAUTIONS

- The instructions of use have to be known and followed by the end users.
- The end users have to receive a proper training.
- The limits of use (pressure/flow rate) are represented on the sticker on the monitor.
- Check systematically the good state and function of the "VSC" safety valve.

BEFORE EACH USE, CHECK

- The general condition of the monitor, the inlet and outlet couplings.
- There are no missing parts or damaged ones.
- That no "foreign" parts are plugging the monitor.
- The cleanliness of the coupling parts.
- The proper greasing of the coupling, operation and leg joint parts.
- The anchor cramps wear. Replace them if the wear is too important.

OPERATING ZONE

Before settling the monitor on the ground, check :

- There is no electrical wire nor water hose in the area the monitor has to be installed, in order to avoid the anchorage cramps to damage them.
- That the area around the monitor is clear.
- That the jet direction or an uncontrolled movement of the monitor cannot injure people around nor damage some materials.
- That the ground is hard enough, well flat and that there is no object or obstacle that could avoid a good anchorage of its 3 cramps.

Note : Never install the monitor on a slippery ground (tiles, metal or with similar hardness material) as the cramps would have no use and could not insure the stability of the monitor and so, the safety of the end user..

INSTALLATION

- Take out the protections from the anchor cramps.
- Unfold the legs of the monitor. Automatic locking of the legs on the open position (Fig. 1).
- Put the Compactor on the ground.
- Connect the appropriate outlet equipment. **Be sure to tighten firmly the diffusion head**.
- Put the break axis in its horizontal working place, without blocking it (Fig. 2).
- Orientate the monitor in the required direction.
- Connect the feeding hose with the maximum straight length on the fore side of the monitor (Fig. 3).
- Optionally, connect the flexible hose to insure the evacuation of the driving water.
- Lock the rotation bearing for horizontal travel (Fig. 4).
- In case of a light ground, incorporate the supporting platen under the "VSC" device in its dedicated space (Fig. 5).

Adjustment for vertical operating

The vertical working zone stands between +25° and +70° from the horizontal. The easy operating handling is adjustable with the turning knob.

- Turn the knob clockwise and the operating handling will get more difficult, up to the blocking (Fig. 6).
- Turn it counterclockwise to soften the operating.

Adjustment for horizontal operating

For safety reason, the angle is limited to ± 35° from the monitor axis.
It is necessary to check that the break is tightened before each use (Fig.2). In the working zone, the blocking is possible in any position while turning the break handle clockwise to break and counter-clock-wise to release.

Adjustment of the oscillation device

The hydraulic oscillator allows an automatic horizontal travel. The different adjustments are :

- Frequency of the travel adjustment : from 0 to 2 seconds per oscillation, opening or closing the valve. Neutralization of the movement by closing the valve (**fig. 7**).
- Amplitude of the travel adjustment : the bigger is the radial deviation of the knob from the rotation axis, the widest is the amplitude. It can be adjusted from 0 to 60° (**fig. 8**).


Fig.1


Fig.2


Fig.3


Fig.4


Fig.5


Fig.6


Fig.7


Fig.8

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"VSC" SAFETY VALVE

The "VSC" safety valve is an essential safety element. It instantly reduces the water flow and pressure in the monitor when the slight uncontrolled move of the monitor occurs (sliding in any direction or loss of contact with the ground).

Operating

In safe operating mode, the release is in contact with the ground. It keeps the valve in its open position (**fig. 1**).
If an uncontrolled movement of the monitor occurs (for instance, due to an excess of pressure upstream the monitor), the release swings (**fig. 2**), the monitor loses its balance, the valve shuts off automatically (**fig. 3**).
The monitor finds its balance instantaneously thanks to the reduction of its power of recoil (reduction of 55% to 75%).
Once the anomaly is corrected, rearm the "VSC" rocking the lever backwards, so the release takes its initial position on the ground.
In case of a loose ground, incorporate the supporting platen.

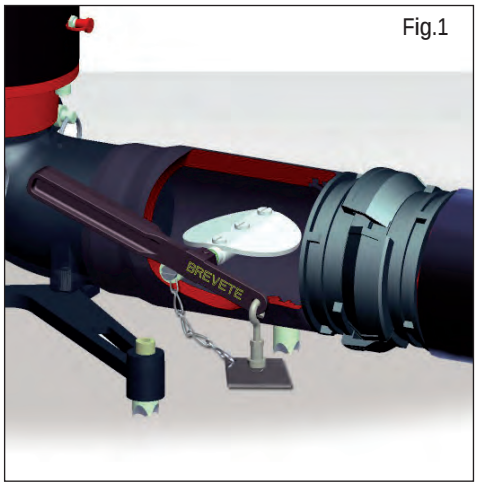

Fig.1

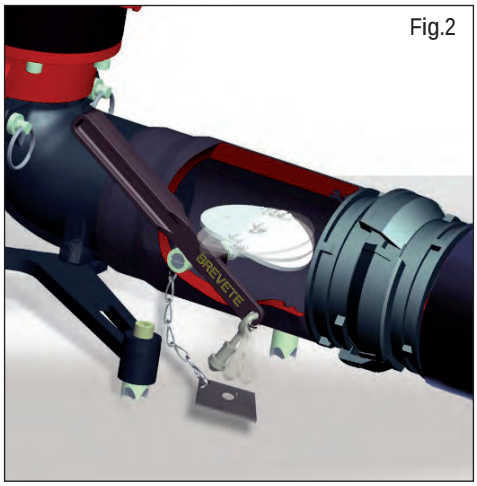

Fig.2

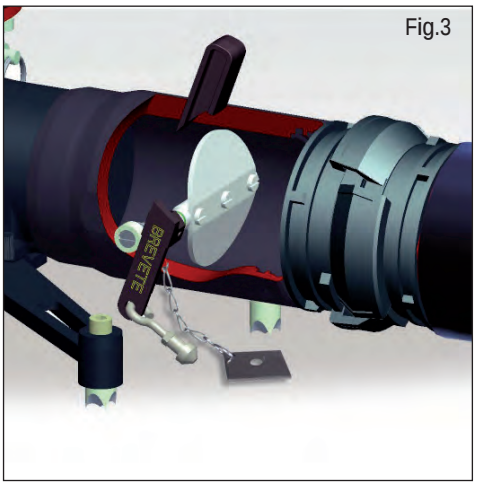

Fig.3

⚠ CHECK BEFORE ANY OPERATION THAT NOTHING PREVENTS THE GOOD OPERATING OF THE VSC (swinging of the lever on its axis and free oscillation of the release).

ON WATER

Slowly open the water supply so the feeding hose will get in place. The quick opening stop valves are to be proscribed. It is better to use progressive opening and closing stop valves. Quick opening and closing could damage the monitor or other connected parts and could endanger the users and their environment.

USE

After the check of the conformity of the installation, the monitor can be put on pressure.

⚠ **Be sure to tighten firmly the diffusion head**.

In order to increase the oscillation angle, do the following :

1. Deactivate the hydraulic oscillator shutting off its feeding pipe (**fig. 7**).
2. Unlock the radial deviation turning the knob counterclockwise (**fig. 8**).
3. Adjust the oscillation angle choosing the radial deviation of the knob.
   The bigger the radial deviation of the knob from the rotation axis, the widest the amplitude.
4. Lock the position turning the knob clockwise.
5. Open the feeding pipe of the hydraulic oscillation device.

The variation of the opening of the oscillator feeding pipe, controls the frequency of the automatic hydraulic oscillation.

AFTER USE

- Disconnect the feeding pipe.
- If existing, disconnect the flexible hose evacuating the driving water.
- Quit the pin maintaining the oscillation device.
- Turn the head of the monitor at 180° releasing the break.
- Unlock and fold the two legs.
- Put the protective caps on the anchorage cramps.
- Fix the monitor with the strap of the storage device.

After use, it's not necessary to disconnect the outlet equipment.

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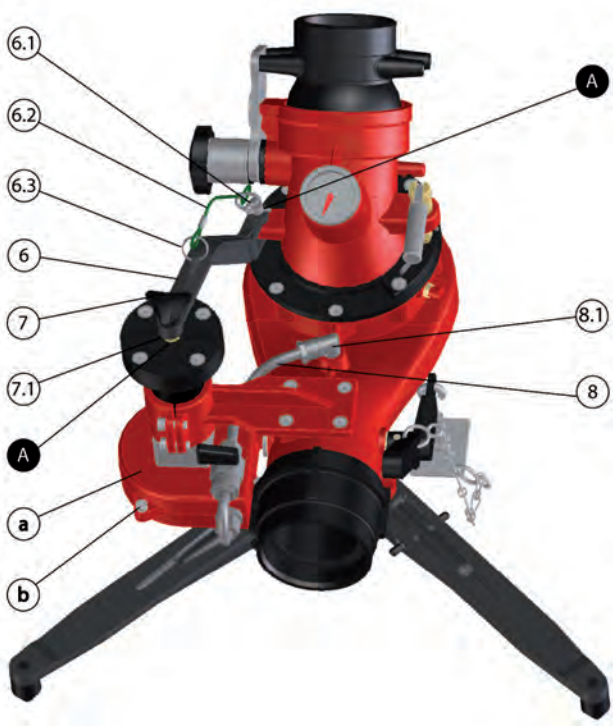
MAINTENANCE

In case of a loss of power at the oscillator :
- Disconnect the feeding pipe from the elbow connected to the body (Rep. 8.1).
- Open the two oscillator cases (Rep. a) unscrewing the screws (Rep. b).
- Take out all what you will find in the cases.
- Take all the parts (which are not originally from the Compactor) out of the feeding pipe (Rep. 8) and the elbow with a spay gun.
- Check the feeding is well clear.
- Put back the injector at its place.
- Close the inferior case (Rep. a).
- Replace the screws M5 (Rep. b) checking that there is no space left between the two cases.
- Connect the oscillator feeding pipe with the elbow connected to the body (Rep. 8.1).



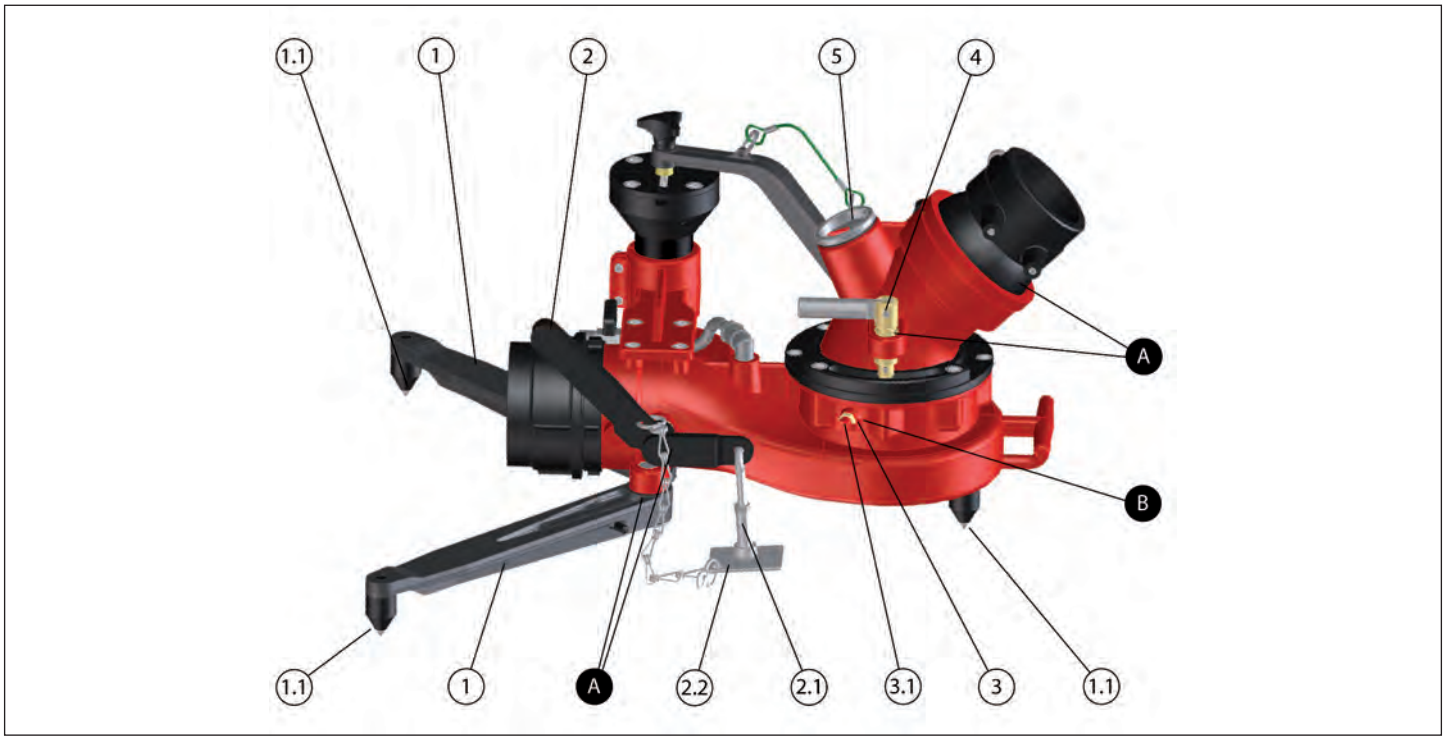
LUBRIFICATION

Greasing of motion and connection parts :

A Using waterproof adhesive grease (ex. : Loctite 8104)
- Spherical orientation ball bearing.
- Legs axis, VSC axis, horizontal travel break axis (only on the thread part).
- Between the oscillator brace and the connection arm.
- Between the control pin and the connection arm.

B Using high pressure grease (ex. : Elf Epexa M02).
- Turret bearing.

Operating :
- Unscrew the opposite screw of the greaser.
- Unscrew the opposite screw of the greaser.
- Put the screw back.



COMPONENTS ANS SPARE PARTS

Rep.	Qty.	Designation	Rep.	Qty.	Designation
1	2	Legs	6	1	Connection arm
1.1	3	Anchorage cramps	6.1	1	Control pin of the oscillator
2	1	"VSC" arm	6.2	1	Cable
2.1	1	Release "VSC"	6.3	2	Broken ring Ø16
2.2	1	Supporting platen for "VSC"	7	1	Knob
3	1	Lubricator	7.1	1	Oscillator brace
3.1	1	Protective caps of the lubricator	8	1	Oscillator feeding pipe
4	1	Break horizontal travel	8.1	1	Elbow
5	1	Gauge			