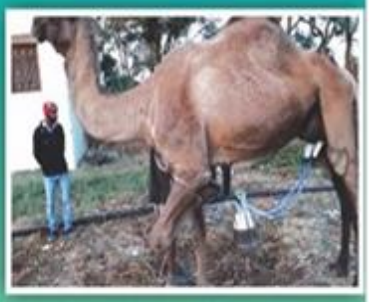
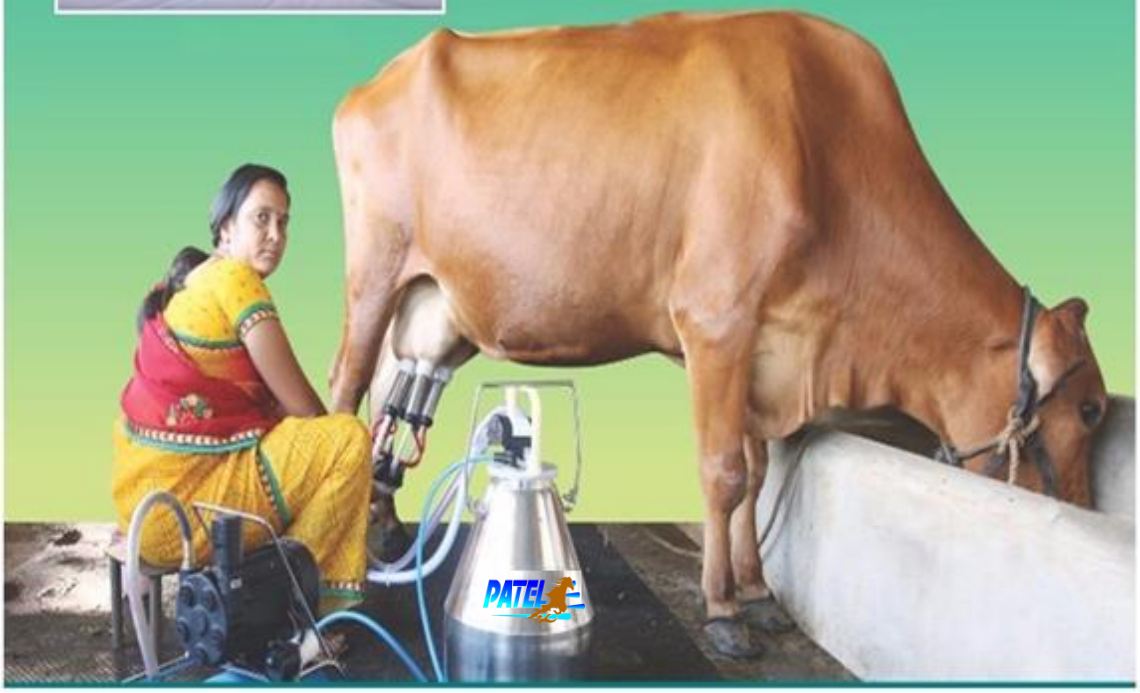
PATEL BROTHERS

MILKING MACHINE

Useful for Cow, Buffalo, Goat & Camel

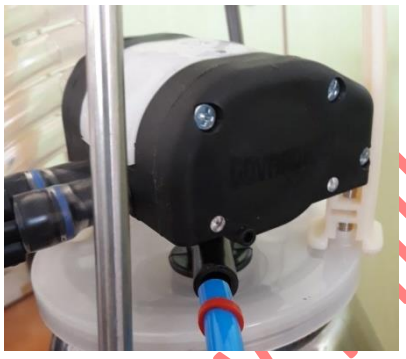




Trolley Mounted Milking Machine

Contains following parts

Pump - 100LPM
Motor - 0.25Hp
Pulsator - 1
Shell & Liner - 4
Pulse tube, Milking tube
S.S. Can 20 Liter
Vacuum tank
Orbiter
Long brush



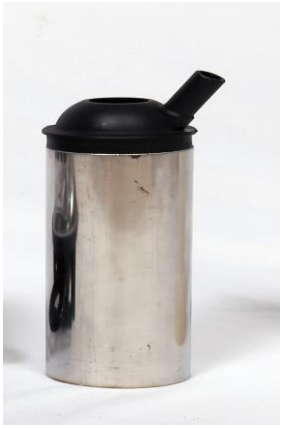
PULSATER

Manufactured exactly as per ISO Standard

Is called heart of Milking Machine.

Is the only pulsator because of which complete milking is possible of cow or buffalo.

It helps to create pulsation vacuum.



VACUUM TANK

Used as Vacuum Reservoir

SHELL

Manufactured in stainless steel & mainly use for fitting of liners.

LINERS

One of the important parts of machine.

Used to attach to nipples.

These liners give massage to nipples which helps for milking.

Because of food grade silicon based material it doesn`t give any harm to nipples.

It doesn`t affect quality of milk.

VACUUM TUBE

Used to supply vacuum to milk Can and Pulsator.

MILK CAN

Mainly used for storage of milk.

Storage Capacity 20 liters.

ORBITER

Easy to handle because of its Bowl inclination shape.

Speedy Milking is possible.

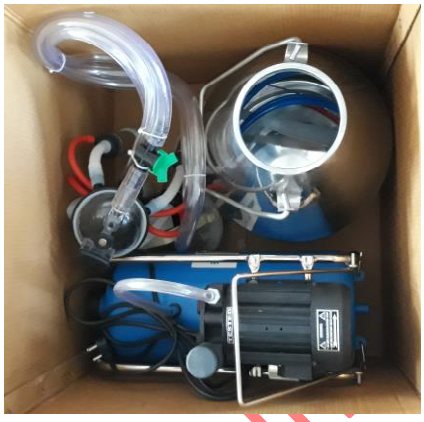
It`s main function is to collect the milk and deliver it to milk

Orbiter valve for on and off milking.

Machine Installation theory and Demo

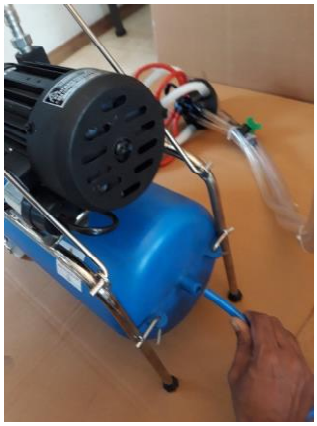
Follow the following steps for installation of universal milking Machine.

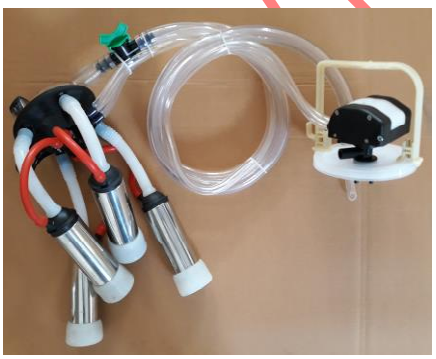
Unbox the Machine.

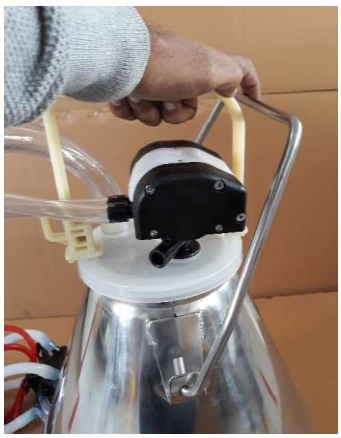


Assemble the Machine as shown in fig.1

First connect the vacuum tube to the vacuum tank.







Connect the cluster assembly to the Can lid assembly and Can

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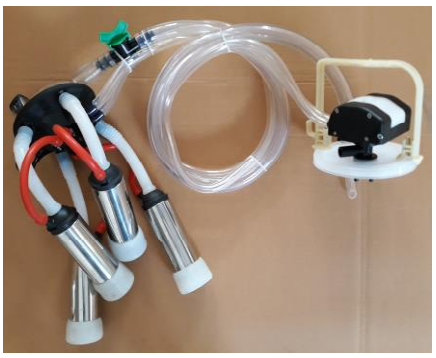
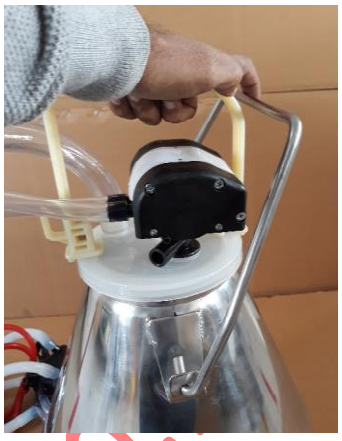
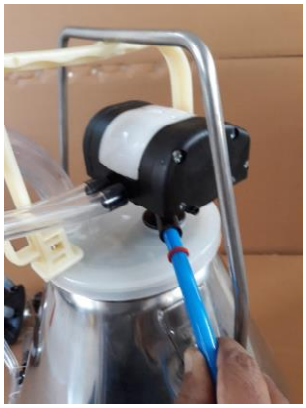




Connect vacuum tube to the pulsator adapter.



Connect the three pin plug to the three pin socket. It should be 230 V AC Supply with proper Earthing.

Power on the Milking Machine.

Attach cluster one by one to the teats of Cow or buffalo and after attaching turn on the orbiter knob.

Orbiteer

Now milking will start. Milking time is 6 to 7 minutes. Turn off knob and remove liners from teats after completing the milking.

Power off the Milking machine.

Collect the milk in the Can to another Container.

Take the soap water in the bucket.

Deep the liners in soap water as shown in fig. 2

Start the machine again.

Turn on and off the orbiter knob 4 -5 times ..

Take fresh water and deep liners in it.

Turn on and off orbiter knob 4 -5 times.

After cleaning power off the machine

Keep Machine in clean and dry place without expose to sunlight.

Frequently Asked Question

1). Does the cow or buffalo feel any pain due to the Patel Brothers Milking Machine?

Ans: Not at all. Only the required and controlled amount of pressure is delivered to the liners. Additionally, the teats are only squeezed and not pulled. When we milk bovine manually, the teats are pulled, which may cause harm to the cow or buffalo. Only enough vacuum is delivered to the liners so that the cow feels that calf is sucking.

2).Does the change in size and shape of the udder give the same performance from the machine?

Ans: Yes, because the liner are made from a soft rubber compound. Due to the pressure exerted by the vacuum the shape of the liner changes. The shell attaches itself to the udder and the teats remain loose. When the pressure of the vacuum is applied, the shape of the liners is altered to fit the teats.

3).What happens if the machine is kept running after the milk is over?

Ans: The Machine squeezes the teat and does not pull it. This only massages the teats. As only the rubber from the shell touches teats, the cow does not even feel the weight of the shell.

4). How much time is required to milk a cow?

Ans: However Productive an animal might be, it takes 5 to 6 minutes to milk a cow and 7 to 8 minutes to milk buffalo.

5). Is there a need to first let the calf suck the milk and then attach the machine?

Ans: There is no need to do such a thing with a cow. However, for a buffalo, this might be necessary. The milk giving capacity of cow at single time is not more than 7 to 8 minutes. Milking the entire animal in this short time is not possible manually. Therefore using a milking machine is substantially beneficial.

6) .Does the machine takes entire milk out?

Ans: Yes, the machine takes out all the milk, there is a 15 percent increase in the yield as compared to manual milking, when a machine is used.