



Click & clean MPJET / HPJET booster station

- Air free foaming.
- 90% cheaper installation costs.
- 50% less water consumption.
- 100 - 500% more cleaning impact.
- Adjustable in pressure range from 20 up till 200bar.
- Up to 60 meter wash down hoses.
- Reduces the number of required cleaning systems with 65%.
- 1 or 2 simultaneous users.
- Water pressure supply to unlimited number of cleaning satellites
- Superb foam quality.
- Higher rinsing power.



Stationary machines for wall mount are equipped with:

- Corrosion free Triplex, positive displacement pump delivers a smooth, constant flow and pressure. The downstream restriction will require adjustment or a valve to regulate any changes in pressure.
- Pressure regulator.
- Safety valve.
- Stainless steel pressure gauge.
- Stainless steel Maintenance free selector valve for water, chemicals and air.
- Automatic bypass.
- Water filter.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Stainless steel cabinet, with sloped top cover for optimal hygiene.
- 2 x stainless steel check valves on chemical suction.
- 1 x blue suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for disinfection chemical.
- Set Of dosing tips.
- SWI: security water level system. Stops the machine in case of a water lack.
- TST: automatically stops the machine (in standby) after 25 Sec. use.
- SBS: automatically complete shut off after 60min in total stop.
- DSS: Drop stop system, total stop system if there are leakages.
- Temperature protection: shuts off the unit when water is too hot.
- Thermal protection: shuts the unit off when motor gets overloaded.
- High temperature seals up till 85°C.
- Special unloading valve sealings.
- Optional mobile skid in stainless steel, with hose reel, hose, spray gun, container support...

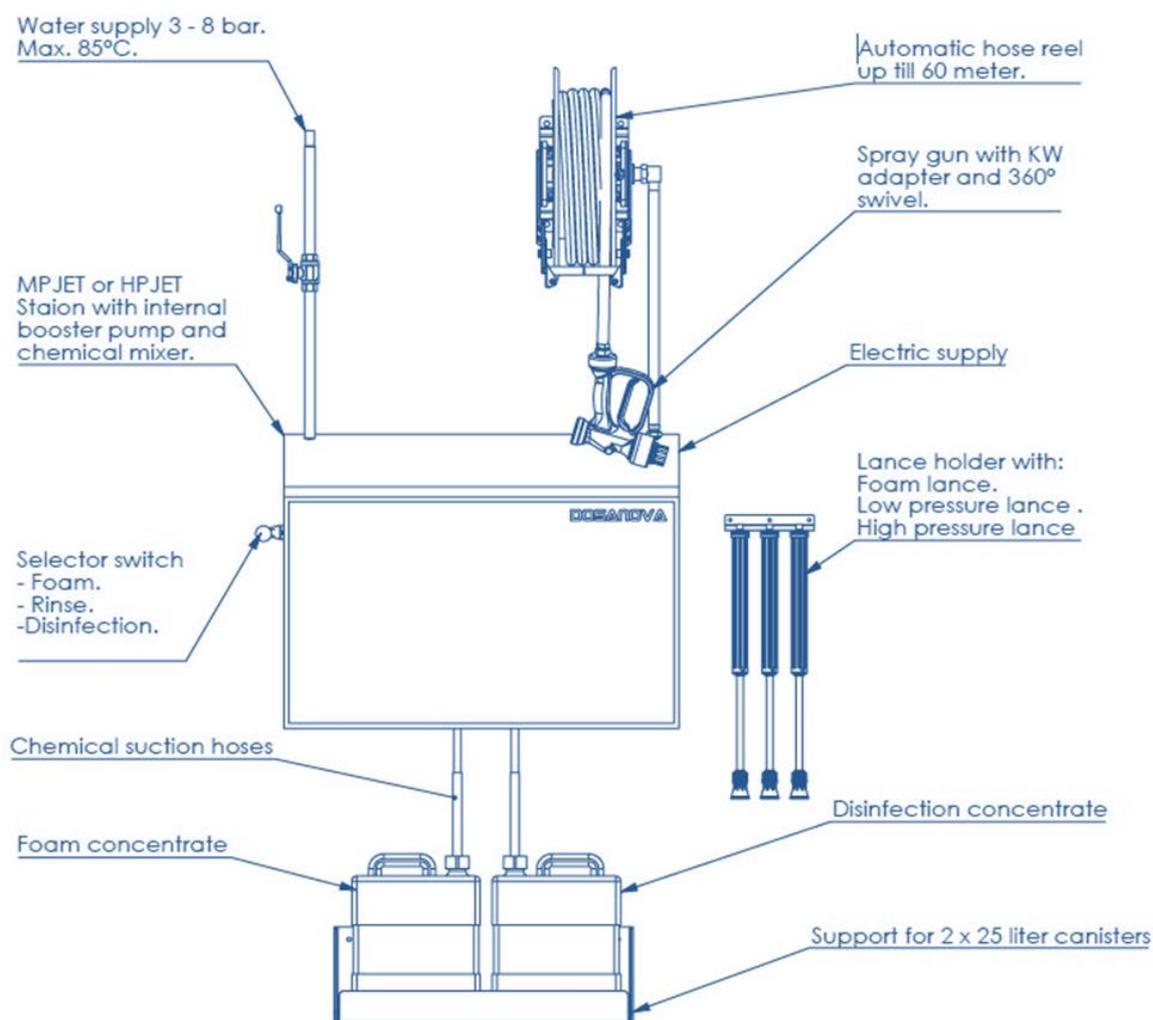




MPJET & HPJET units - the all-rounder:

Features	MPJET	HPJET
Dilution of 2 chemicals (100% separated)	✓	✓
Air free foam cleaning with dynamic foam lance	✓	✓
Spray chemicals with chemical spray lance.	✓	✓
Rinsing at 20 bar	✓	✓
Rinsing at 40 bar	✓	✓
Rinsing at 80 bar	X	✓
Rinsing at 200bar with rotating nozzle for maximum impact.	X	✓
Sewer and drain cleaning with drain kit.	✓	✓
Automatic tank cleaning with rotating tank nozzle.	✓	✓
Automatic belt cleaning with chopper system.	✓	✓
Fogging with fog system.	✓	✓

Installation MPJET & HPJET





AIR FREE FOAM Main stations

Click & clean MPJet and HPjet Hygienic.

- Save chemical storage with restricted access.
- Air free foaming in superb quality.
- 90% cheaper installation costs.
- 80% less energy consumption.
- 50% less water consumption.
- 100 % higher water boost. From 20 up till 200bar.
- Adjustable in pressure range from 20 up till 200bar.
- Up to 60 meter wash down hoses.
- Reduces the number of required cleaning systems with 65%.
- Water pressure supply to unlimited number of cleaning satellites.

New hygiene and safety standards in food production

The MP and HPJET Hygienic systems comply with the highest safety measures where it is impossible for personnel to use chemicals during production.

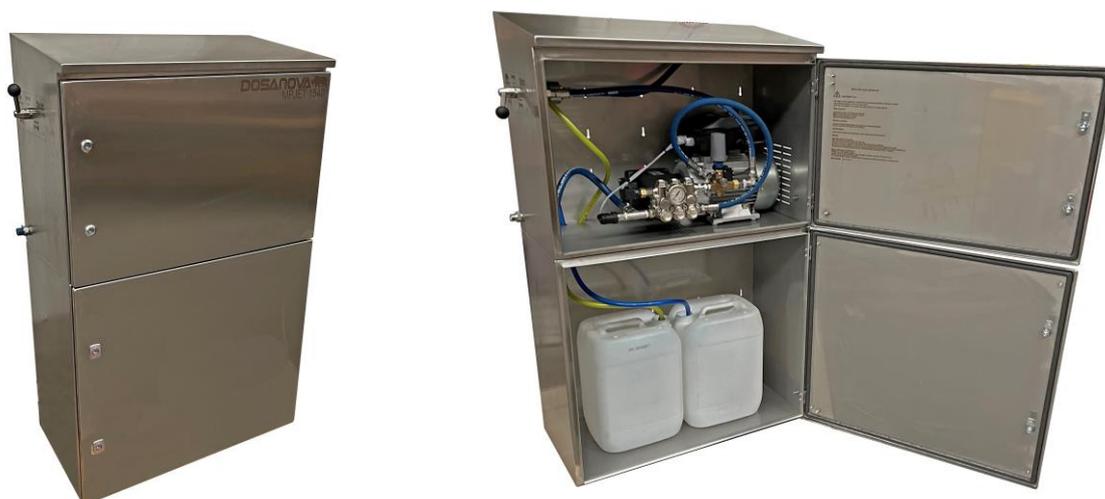
Storage:

With this system, chemicals are locked away and unauthorized persons have no access to concentrates or diluted chemicals.

Use:

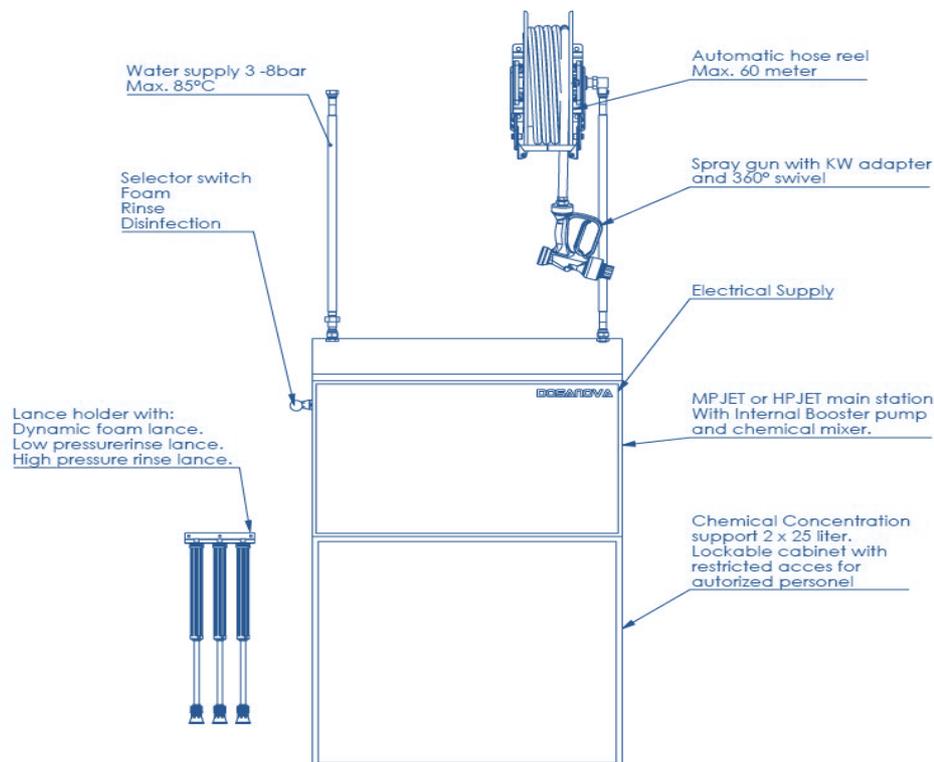
The system is equipped with 2 hose reels (blue and yellow). The blue hose reel is free to use and can only deliver clean water at increased water pressure. This hose reel is equipped with a spray gun with a fixed lance that ensures a fixed water pressure.

The yellow hose reel has access to 2 chemicals and water in different water pressure variations and can only be used after unlocking with a special key or batch. Only cleaning personnel or production manager is in possession of this key or batch, so it is impossible to gain access to chemicals during the production of chemicals.





Mounting example hygienic version



Technical data MPJET & HPJET main station Series

Reference	100.137	100.140	100.144TMM	100.146TMM
Model	MPJET15	HPJET10	HPJET15	HPJET30
Simultaneous users	1	1	1	2
Inlet supply pressure:	2 - 6 bar			
Minimal supply flow:	17Lpm	12Lpm	17Lpm	35Lpm
Outlet flow range:	15 Lpm	10 Lpm	15 Lpm	30 Lpm
*Max. water temperature:	85°C	85°C	85°C	85°C
Rinse pressure: adjustable	10 - 40 bar	20-150 bar	20-200 bar	40-200 bar
Chemical injectors:	2	2	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%	0.15 - 15%	0.15 - 15%
Functions:	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse
Voltage:	1 x 220V 50Hz	1x220V 50Hz	3x400V 50Hz	3x400V 50Hz
Dimensions mm (WxHxD):	850x600x455mm	950x540x455mm	950x540x455mm	950x540x455mm
Power:	2.2 kW	2.2 kW	5.5 kW -16Amp	11Kw-32Amp
Accessories type:	●	●	○	●

All units are available with stainless steel skid where unit is equipped with automatic hose reel, hose, Spraygun.



MPJET & HPJET mobile versions.

The MPJET and HPJET are both available in mobile version. These systems are delivered complete plug & play.

Equipped with:

- Automatic hose reel.
- Dynamic foam lance.
- Low pressure lance.
- High pressure lance.
- Container holder for 2 x 25 liter.
- Selector valve with double injector and rinse position.
- Dry run protection.
- Hot temperature protection (over 85°C).
- Overload protection.
- Available in 10, 15 and 30 liter version.



The mobile systems have the same innovating functions like stationary main stations.

For more information about mobile units see further in this catalogue.

Advantages of the MPJET & HPJET Air free foam units

- **100% AIR free foaming system**
 - MP & HPJET units create foam without the addition of compressed air. The foam is created via a dynamic foam lance that sucks air from the environment through the water passage in the lance.
 - Foam is created at the end of the lance and no longer in the satellite. Because of this there is no longer "foam" who is transferred through the wash down hoses with quality loss, independent on the length of the wash down hose.
 - Because of this advantage we can use up to 60 meter lengths of wash down hoses without any foam quality loss.
- **50% less water spilling – higher cleaning impact.**
 - The MPJET & HPJET main stations are specially made to reduce water spilling. The systems MPJET is creating 40bar of water pressure so it can be reduced in water flow. The effect of increasing pressure and reduce water flow has no negative effect on cleaning applications.

The Cleaning Effect Equation = Pressure (In Bar) x Flow(In Lpm)

- Cleaning impact equation of **standard cleaning systems**:
water pressure = 20 bar x Water flow = 30L/min = total impact = 600.
- **MPJET cleaning impact**:
water pressure = 45 bar x Water flow = 15L/min = total impact = 630.

- **90% reduced installation costs.**
 - standard satellites are connected to stainless steel high-pressure pipes that are placed over the entire production. This is in most cases carried out by specialized pipe fitters.



In many cases, this cost is more expensive than the cleaning system itself.

The MPJET and HPJET systems, in contrast to ordinary satellites, can be connected to the ordinary low-pressure water network, so that this expensive high-pressure pipe is no longer necessary.

➤ **80% energy savings.**

- The MPJET Main station is using a water booster that is using minimal 50% less energy than the standard pumps in the industry. Next to the energy saving the pump delivers double performances than the standard centrifugal pumps.
Example: Energy of a small 40bar centrifugal pump = 7,5KW.
Total energy of Click & clean MPJET Main station: 2,2KW.

➤ **Investment reduction**

- Long wash down hoses reduce the investment costs with minimal 65%.
Because of the 3 x longer hose lengths it reduces the number of cleaning systems in the production zone by 65%
- Minimal costs for mounting → No water pressure supply pipes and no compressed air pipes.

➤ **Safety features**

- ❖ **No danger for other machines and compressed air equipment in the production area**
- The danger of compressed air lines, compressors, compressed air valves, pistons, air regulators ... being destroyed in other machines because of possible leakages of chemicals into the compressed air supply via cleaning satellites is non-existent.
- ❖ **Self-protective system.**
- Dry run protection security water flow system. Stops the machine in case of a water lack.
- Temperature protection system. Stops the machine in case of too hot water.
- System equipped with thermal protection. Stops the machine when motor is getting overloaded.

➤ **Energy friendly – Up till – 80% of electricity use.**

- TST: automatically stops the machine (in standby) after 25 Sec. use.
- SBS: automatically complete shut off after 60min in total stop.
- DSS: Drop stop system, Total stop system if there are leakages.

➤ **Continuity and reliability.**

- Every system works independently of each other.
In standard cleaning systems, usually 1 pump system is used for supplying water pressure to all cleaning satellites. Every HPJET system has its own pump. This guarantees continuity in the cleaning process if one pump should fail.

➤ **Mistake proof - impossible to make mistakes.**

- Only 1 lever to select positions. It is impossible to select different positions at the same time.
- The system is equipped with 2 chemical injectors that are 100% separated from each other. If there is a switch between the different chemicals, it will always pass by the automatic flushing.
- Chemical suction hoses in colour code.
- Automatic pressure reduction / mounting by switching lances.