



**Polyurethane Foam  
& Polyurea  
Spray Equipment**



trust this power

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### Portable System

- EP-10



### Entry-Level Systems

- KPX-10
- KPX-10+



### Mid-Production Systems

- KPX-20
- KPX-20+

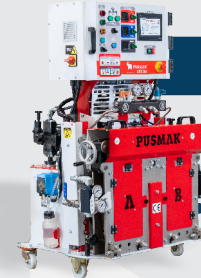


### High-Production Systems

- KPX-40
- KPX-50



### Generator Integrated Spray Machine



### Variable Ratio Spray Machine

- Pur-Mix

## EP-10 Electric Series PU Foam Machine

Electric series compact polyurethane spray machine Pusmak EP-10 is a minimalist system that allows you to work on small projects without losing performance. EP-10 spray machine is ideal for double-component sprays, joint filling works, PU touch-ups. With smart controls that are easy to set up and operate, the EPU-10 is ideal for the continuity of your business without requiring high power. Polyurethane spray applications are very efficient energy consumption friendly.

- Ideal for spray in small and hard-to-reach areas
- Can be operated by single person
- Allows hybrid using of preheaters and hose heaters (Boost Mode)
- Economical electricity consumption (16A-230V or 2x16A-230V)
- Pressure balance valves to check proportioning
- Easy to use, store and move
- Use without the need for a transfer pump or a very large air compressor

### System Electrical Reactor

Reduced operating cost

### Heated Hose

Allows to use of heated hoses up to 33 meters length

### Insulated Tanks

Heat retention and option to work with small volumes of ramaterial

### Heater Switches

Option to manually turn on/off the heaters

### Touchscreen

Intuitive interface provides easy control

### Heater Controllers

Allows to easily set the precise working temperatures

### Easy Maintenance

Easy disassembly/assembly if necessary for maintenance

### Preheaters

Total 2.400W preheating power for the raw material





## Heater Controllers

Option to manually turn on/off the heaters

## Raw Material Counter

Simply counts the amount of sprayed material

## Preheaters

11.200W preheating power

## Horizontal Pumping

Easy troubleshooting and maintenance

## Automatic Lubrication System

Self-contained and independent lubrication system with rare maintenance periods

## Polyurea Coating Machine (Hydraulic-Analog)

# KPX-10+

Pusmak's hydraulically driven 3 phase KPX 10+ proportioning machine is engineered and manufactured to fulfill the needs of polyurea coating specialist and spray foam experts. With its precise proportioning capacity, it assures contractors with a very well-proportioned mixture of two components.

The machine is equipped with all necessary technical feature to comfort users during application. Maximum spray power of 200 bar - 2900 psi and pre-heater system with total power of 11.200 Watt enable users to apply polyurea and spray foam in all seasons.

KPX 10+'s hose heating system is manufactured to enable use different types of heated hoses. Simple design of the machine makes it easy for the user to work. The phase sequence can be manually setted using the electrical box that comes with the machine.

## Hydraulic Proportioning System

Higher accuracy for the working pressure and mixing ratio

## Simplified Interface

Easy using and control

## Heated Hose

Capable of working with hoses up to 90 meters length

## KPX-20+

### Spray Polyurea Machine (Hydraulic)

Pusmak's hydraulically driven 3 phase KPX 20+ proportioning machine is engineered and manufactured to fulfill the needs of polyurea constructors as well as spray foam experts. With its precise proportioning capacity, it assures contractors with a very well-proportioned mixture of two components. The machine is equipped with all necessary technical feature to comfort users during application.

Maximum spray power of 200 bar - 2900 psi and pre-heater system with total power of 11.200 Watt enable users to apply polyurea and spray foam in all seasons. KPX 20+(plus) 's hose heating system is manufactured to enable use different types of heated hoses.

Error control automation allows user to limit pressure tolerance range and check the error history for diagnosing any potential problems. The simple and useful electrical and electronical design of machine makes it easy for user to check everything easily. Specially designed phase control and correction system prevents the costly repairs resulting from misconnection to electricity plugs.

### Eco Mode for Preheaters

Allow to decrease the power consumption of the machine by reducing the heating power of the preheaters

### Error Diagnostic System

Fast and easy troubleshooting thanks to diagnostic screen on the touchscreen

### Touchscreen

- Digital extra manometers
- Pressure imbalance control
- Pressure limitations to prevent an accident

### Phase Lights

Lights the check electricity voltage

### Heater Controllers

- Allows to easily set the precise working temperatures
- Option to manually turn on/off the heaters

### Long Durability

Ability to work all day long without having to take breaks

### Preheaters

Total 11.200W preheating power for the raw material



## Phase Lights

Lights the check electricity voltage

## Touchscreen

Intuitive interface provides easy control

## Heater Controllers

Allows to easily set the precise working temperatures

## Preheaters

Additional 1.200W preheating power for the raw material

## High Performance Spray PU Foam Machine (Hydraulic)

# KPX-50

Pusmak's hydraulically driven KPX 50 proportioning machine is engineered and manufactured for spray foam contractors. With its precise proportioning capacity, it assures contractors with a very well proportioned mixture of two components. The machine is equipped with all necessary technical feature to supply enough pressure and flow for high performance.

Maximum spray power of 200 bar - 2900 psi and pre-heater system with total power of 12.4 kW enable users to apply spray foam in all seasons. KPX 50's hose heating system is manufactured to enable use different types of heated hoses.

Error control automation allows user to limit pressure tolerance range and check the error history for diagnosing any potential problems. The simple and useful electrical and electronical design of machine makes it easy for user to check everything easily. Specially designed phase control and correction system prevents the costly repairs resulting from misconnection to electricity plugs.

## The Highest Output

The highest output for the KPX series

## High Preheating Power

Total preheating power of 12.4 kW

## Longer Hose Available

Ability to work with a 120 m long hose

## Long Durability

Self-contained and independent lubrication system with rare maintenance periods

## **PUR-MIX** Variable Ratio Spray PU, PIR, CONIPUR Machine (Hydraulic)

Pusmak's hydraulically driven 3 phase Purmix proportioning machine is engineered and manufactured for variable ratio coating materials such as Conipur and PIR. Furthermore, it can also spray equal ratio standard polyurea elastomers and spray foam. With its mechanical proportioning system, Purmix assures contractors with a very well-proportioned mixture of two components between 1:1 to 1:2,2. The proportioning is also supported by specially designed mixing chambers according to the needs.

Maximum spray power of 200 bar – 2900 psi and pre-heater system with total power of 11.200 Watt enable users to apply polyurea and spray foam in all seasons. PUR-MIX's hose heating system is manufactured to enable to use different types of heated hoses.

Error control automation allows user to limit pressure tolerance range and check the error history for diagnosing any potential problems. The simple and useful electrical and electronic design of machine makes it easy for user to check everything easily. Specially designed phase control and correction system prevents the costly repairs resulting from misconnection to electricity plugs.

### **Proportional Spraying**

Independent volume control for each side provides ability to spray materials with variable proportions

### **Mechanical Volume Control**

Mechanic based volume control system ensures operation without errors caused by electronics

### **Ratio Adjustment Valve**

Ability to change the ratio of the proportioner

### **Simple Maintenance**

Ability to lay the reactor makes maintenance easy

### **Touchscreen**

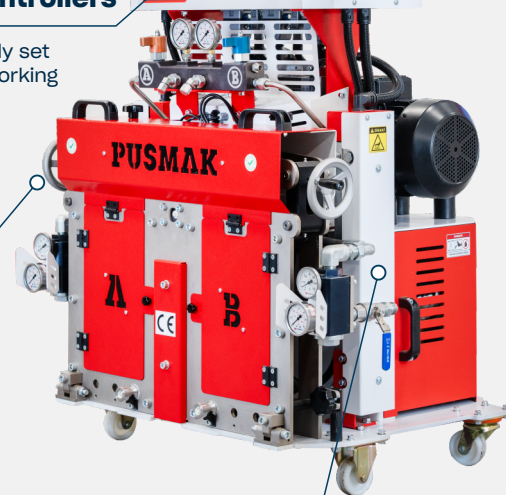
Intuitive interface provides easy control

### **Phase Lights**

Lights the check electricity voltage

### **Heater Controllers**

Allows to easily set the precise working temperatures



### **Preheaters**

Total 11.200W preheating power for the raw material

## Air Compressor

Air compressor is integrated in the system



## Integrated Generator

Machine includes different options for the integrated generator with up to 45 kVA total power

## Air Hose for Breathing

Heated hose with an additional air channel for breathing is available

## Generator Integrated Spray Machine

## GENSET

Pusmak's hydraulically driven genset and compressor integrated spray proportioning machine is engineered and manufactured to fulfill the needs of polyurea coating specialist and spray foam experts. Spray machine is built on a power generator and an air compressor is also integrated to the system. This compact set enables spray constructors to work in areas without 3 phase electricity supply. It can also work with the electricity from the network by passing the generator. With its precise proportioning capacity, it assures contractors with a very well-proportioned mixture of two components.

The machine is equipped with all necessary technical feature to comfort user during application. Maximum spray power of 200 bar – 2900 psi and pre-heater system with total power of 11.200 Watt enable users to apply polyurea and spray foam in all seasons.

Genset Integrated Spray Machine's hose heating system is manufactured to enable use different types of heated hoses. Error control automation allows user to limit pressure tolerance range and check the error history for diagnosing any potential problems. The simple and useful electrical and electronical design of machine makes it easy for user to check everything easily. Specially designed phase control and correction system prevents the costly repairs resulting from misconnection to electricity plugs.

## Self-sufficiency

All-in-one system turns this machine to "all-terrain vehicle" of PU spray machine sector

## Variable Models for Integration

Genset is not limited with only one model of the machine integrated in it

## Easy Installation Inside a Truck

This model with its own generator and air compressor can be easily installed inside a truck, which allows it to be used even in rural areas



Model	KPX-10+	KPX-20+	KPX-40	PUR-MIX	GENSET
<b>Weight</b>	305 kg	310 kg	310 kg	345 kg	1400 kg
<b>Supply Voltage</b>	230/400 V	230/400 V	230/400 V	230/400 V	230/400 V
<b>Number of Phases</b>	3	3	3	3	3
<b>Frequency</b>	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
<b>Preheater Power</b>	11,2 kW	11,2 kW	12,4 kW	11,2 kW	11,2/12,4 kW
<b>Maximum Hose Heater Power</b>	5,6 kW	5,6 kW	5,6 kW	5,6 kW	5,6 kW
<b>Installed Power</b>	22,2 kW	22,2 kW	23,4 kW	22,2 kW	22,2/23,4 kW
<b>Power Source</b>	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
<b>Maximum Hose Length</b>	90 m	90 m	105 m	105 m	120 m
<b>Component Type</b>	Two Component	Two Component	Two Component	Two Component	Two Component
<b>Approximate Output Per Cycle</b>	0,2 kg	0,2 kg	0,2 kg	Variable	0,2/0,3 kg
<b>Maximum Flow</b>	6,84 kg/min	6,84 kg/min	8,4 kg/min		6,84/8,4 kg/min
<b>Mixture Ratio</b>	1:1	1:1	1:1	1:1 - 1:2,2	1:1
<b>Maximum Fluid Temperature</b>	80°C	80°C	80°C	80°C	80°C
<b>Maximum Working Pressure</b>	200 bar	200 bar	200 bar	200 bar	200 bar
<b>Height</b>	120 cm	135 cm	135 cm	140 cm	182 cm
<b>Width</b>	100 cm	100 cm	100 cm	102 cm	100 cm
<b>Lenght</b>	70 cm	70 cm	70 cm	65 cm	210 cm

Model	KPX-10+	KPX-20+	KPX-40	PUR-MIX	GENSET
<b>Weight</b>	672 lb	683 lb	683 lb	760 lb	3086 lb
<b>Supply Voltage</b>	230/400 V	230/400 V	230/400 V	230/400 V	230/400 V
<b>Number of Phases</b>	3	3	3	3	3
<b>Frequency</b>	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
<b>Preheater Power</b>	11,2 kW	11,2 kW	12,4 kW	11,2 kW	11,2/12,4 kW
<b>Maximum Hose Heater Power</b>	5,6 kW	5,6 kW	5,6 kW	5,6 kW	5,6 kW
<b>Installed Power</b>	22,2 kW	22,2 kW	23,4 kW	22,2 kW	22,2/23,4 kW
<b>Power Source</b>	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
<b>Maximum Hose Length</b>	295 ft	295 ft	344 ft	344 ft	394 ft
<b>Component Type</b>	Two Component	Two Component	Two Component	Two Component	Two Component
<b>Approximate Output Per Cycle</b>	0,44 lb	0,44 lb	0,44 lb		0,44/0,66 lb
<b>Maximum Flow</b>	15,1 lb/min	15,1 lb/min	18,5 lb/min		15,1/18,5 lb/min
<b>Mixture Ratio</b>	1:1	1:1	1:1	1:1 - 1:2,2	1:1
<b>Maximum Fluid Temperature</b>	176°F	176°F	176°F	176°F	176°F
<b>Maximum Working Pressure</b>	2900 psi	2900 psi	2900 psi	2900 psi	2900 psi
<b>Height</b>	47 in	53 in	53 in	55 in	72 in
<b>Width</b>	39 in	39 in	39 in	40 in	39 in
<b>Length</b>	28 in	28 in	28 in	26 in	83 in

## Equipment for Spray Foam Systems (Metric)

Model	KPX-10	KPX-20	KPX-50	PUR-MIX
Weight	305 kg	310 kg	310 kg	345 kg
Supply Voltage	230/400 V	230/400 V	230/400 V	230/400 V
Number of Phases	3	3	3	3
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Preheater Power	9,6 kW	9,6 kW	12,4 kW	11,2 kW
Maximum Hose Heater Power	5,6 kW	5,6 kW	5,6 kW	5,6 kW
Installed Power	20,6 kW	21,6 kW	23,5 kW	22,2 kW
Power Source	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Maximum Hose Length	75 m	75 m	120 m	105 m
Component Type	Two Component	Two Component	Two Component	Two Component
Approximate Output Per Cycle	0,2 kg	0,2 kg	0,3 kg	Variable
Maximum Flow	5,7 kg/min	5,7 kg/min	9,4 kg/min	
Mixture Ratio	1:1	1:1	1:1	1:1 - 1:2,2
Maximum Fluid Temperature	60°C	60°C	60°C	60°C
Maximum Working Pressure	160 bar	160 bar	160 bar	200 bar
Height	120 cm	135 cm	135 cm	140 cm
Width	100 cm	100 cm	100 cm	102 cm
Lenght	70 cm	70 cm	70 cm	65 cm

Model	EP-10
Weight	130 kg
Maximum Fluid Pressure	170 bar
Operating Power Voltage	220/240 V
Amperage	16 A
Performance per Minute	3,5 kg/dk
Amount of Raw Material/Cycle	0,014
Maximum Heated Hose Lenght	33 mt
Pre-Heater Power	1240 W
Hose Heater Power	3100 W
Total Power	5,4 kW
Height	110 cm
Width	64 cm
Lenght	73 cm

## Equipment for Spray Foam Systems (Imperial)

Model	KPX-10	KPX-20	KPX-50	PUR-MIX
<b>Weight</b>	672 lb	683 lb	683 lb	760 lb
<b>Supply Voltage</b>	230/400 V	230/400 V	230/400 V	230/400 V
<b>Number of Phases</b>	3	3	3	3
<b>Frequency</b>	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
<b>Preheater Power</b>	9,6 kW	9,6 kW	12,4 kW	11,2 kW
<b>Maximum Hose Heater Power</b>	5,6 kW	5,6 kW	5,6 kW	5,6 kW
<b>Installed Power</b>	20,6 kW	20,6 kW	23,4 kW	22,2 kW
<b>Power Source</b>	Hydraulic	Hydraulic	Hydraulic	Hydraulic
<b>Maximum Hose Length</b>	246 ft	246 ft	394 ft	344 ft
<b>Component Type</b>	Two Component	Two Component	Two Component	Two Component
<b>Approximate Output Per Cycle</b>	0,44 lb	0,44 lb	0,66 lb	Variable
<b>Maximum Flow</b>	12,6 lb/min	12,6 lb/min	20,7 lb/min	
<b>Mixture Ratio</b>	1:1	1:1	1:1	1:1 - 1:2,2
<b>Maximum Fluid Temperature</b>	140°F	140°F	140°F	140°F
<b>Maximum Working Pressure</b>	2320 psi	2320 psi	2320 psi	2900 psi
<b>Height</b>	47 in	53 in	53 in	55 in
<b>Width</b>	39 in	39 in	39 in	40 in
<b>Lenght</b>	28 in	28 in	28 in	26 in

Model	EP-10
<b>Weight</b>	287 lb
<b>Maximum Fluid Pressure</b>	2500 psi
<b>Operating Power Voltage</b>	220/240 V
<b>Amperage</b>	16 A
<b>Performance per Minute</b>	7,7 lb/dl
<b>Amount of Raw Material/Cycle</b>	0,031
<b>Maximum Heated Hose Lenght</b>	108 ft
<b>Pre-Heater Power</b>	1240 W
<b>Hose Heater Power</b>	3100 W
<b>Total Power</b>	5,4 kW
<b>Height</b>	43 in
<b>Width</b>	25 in
<b>Lenght</b>	29 in



## TP Barrel Pump

**\*Adjustable for IBS Tanks**

Pusmak's TP Transfer pumps are required to feed your proportioner spray machine.

It is designed to transfer the liquid from barrels to the spray system. Transfer pump performs in any work environment. Professionally used to transfer Isocyanate and Polyol from barrel to the proportioner. Designed for durability with less maintenance need. Provides consistent flow with high or lower viscosity materials. Easy to fix on the barrel with the segment included in the set.

	Metric	Imperial
<b>Weight</b>	9,5 kg	20 lb
<b>Hose Diameter</b>	8 mm	5/16 in
<b>Max. Ambient Temperature</b>	50°C	120°F
<b>Max. Input Temperature</b>	88°C	190°F
<b>Max. Air Input Pressure</b>	12 bar	174 psi
<b>Max. Output</b>	28,35 lt/min	7,84 gal/min
<b>Max. Working Pressure</b>	250 bar	3625 psi
<b>Height</b>	135 cm	53,14 in
<b>Diameter</b>	9 cm	3,54 in

## ETM PU Shaving Machine

Pusmak's electric driven polyurethane shaving machine is a practical grinder for surplus polyurethane parts. This type of grinders are mostly used to level the open and close cell spray polyurethane foam on wall and ceilings. It's mono-phase motor will allow you to work everywhere easily.



<b>Maximum Polyurethane Density</b>	60 dns
<b>Cutting Width of Polyurethane</b>	38 cm
<b>Cutting Thickness of Polyurethane</b>	20 mm
<b>No Load Speed</b>	3000-11000 rpm/min
<b>Voltage &amp; Frequency</b>	230-50/60 Hz
<b>Power</b>	750 Watt
<b>Weight</b>	4,8 kg



# SP2

## Spray Gun



Ergonomic Handle  
**Easy Spray**

# SP2 Spray Gun

Pusmak's air-purged Sp2 is a light and durable spray gun designed for polyurethane foam and polyurea. Spray gun kit comes with extra spares such as orings, filters, nozzle, side seals etc. SP2 enables you to work for long times with its ergonomic handle.



**1050 gr**

The lightest spray gun  
in the industry



## Easy to Clean

The gun features an easily detachable design, making it effortless to disassemble and clean

## Comes with all cleaning tools

All the keys, allens, drill bits, brushes etc. are included in the set

## Ergonomic

Designed for comfort,  
built for productivity

# PH15 Heated Hose

PH15 is a universal type of 15 mt length heated hose. It is an addable one. The length of hose can be upgraded up to 120 meters. This type of hoses are suggested when customers need extra long hoses.



## Combinability

Can be extended up to 120 meters. Provides easy replacement in case of any accident.

## Durability

PH15 hose shows higher resistance to chemicals and physical damage, that makes it's life longer.

# PH63 Heated Hose

PH63 is Pusmak's single part, durable and economic heated hose. Both spray foam and polyurea application need rigid heat level for an optimum performance. PH 63 is specially designed and engineered for the need of materials to be used.



## High Accuracy Realtime Temperature Measurement

Measuring temperature on the end of the hose gives accurate values that allows to control the heating process with higher efficiency.

## Extra Long

Single part hose of 63 meters length



## PM1 Barrel Mixer

Chemicals like Polioli need to be mixed well before use. PM1 is specially designed with a pneumatic 3 pistons motor for PU sector. Can be used for any kind of chemicals as well.

<b>Power</b>	3/8 HP
<b>Working Speed</b>	800-2600 rpm/min
<b>Required Air Pressure</b>	6-8 Bar
<b>Propeller Material</b>	Stainless Steel
<b>Propeller Diameter</b>	222 mm
<b>Stick Diameter</b>	16 mm
<b>Stick Length</b>	870 mm
<b>Mixing Capacity</b>	250L of round Barrel of IBS



## EPT Polyurethane Saw

Pusmak's EPT Polyurethane saw is used for removing large parts of foam on the surface. After the application of polyurethane foam on walls, there appear some extra parts. EPT polyurethane saw is a practical tool to cut those surplus material.



Metric | Imperial

<b>Maximum Density to Cut</b>	60 SI	
<b>Polyurethane Cutting Length</b>	90 cm	35,43 in
<b>Reciprocating Distance (mm)</b>	20 mm	0,039 in
<b>Voltage Phase (VAC 50/60Hz)</b>	230 V	
<b>Speed</b>	800/300 (r/min)	
<b>Power (Watt)</b>	650 Watt	
<b>Weight</b>	4 kg	8,8 lb
<b>Length</b>	118 cm	46,6 in
<b>Width</b>	16 cm	6,3 in
<b>Height</b>	9 cm	3,54 in



**PUSMAK®**

trust this power





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