2026

PUSMAK®

Spray Foam & Polyurea Coating Equipment

www.pusmak.com

ENGLISH

ABOUT US

Founded in 2009 in Kayseri, Turkey, Pusmak Spray Machinery is a leading manufacturer of high-quality spray foam and polyurea machinery. We specialize in designing and producing advanced, high-performance spray PU equipment worldwide. Our dedication to innovation and quality has fueled our growth, transforming us from a local operation into a global player. Today, we proudly export our machinery to over 60 countries across five continents, providing businesses with state-of-the-art solutions for spray foam insulation and coating applications.

At Pusmak, we take pride in our strong R&D capabilities and a dedicated after-sales support team, ensuring that our customers receive the best service and most reliable equipment. Our continuous investment in research and development keeps us at the cutting edge of technology, helping us solve complex challenges in spray PU machinery industry.

Guided by our motto, "Think locally, act globally," we focus on expanding our international presence while maintaining a commitment to customer satisfaction. Our goal is clear: to become one of the leading global brands in spray foam and polyurea machinery sector.

Pusmak is dedicated to delivering exceptional products and services, and we are excited about the future as we continue to grow and evolve with our global customer base.

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Portable System

- EP 10



Analog Systems

- KPX 10
- KPX 10+



Medium Level Systems

- KPX 20
- KPX 20+



High Performance Systems

- KPX 40
- KPX 50



Generator Integrated Spray Machine Option

- GENSET



Variable Ratio Machine System

- PURMIX

EP 10 Electric Series PU Foam Machine (Single Phase)

The Pusmak EP 10 series electric compact polyurethane sprayer is a portable sprayer that allows you to work on small projects without compromising performance. The EP 10 is designed for two-component spray polyurethane foam applications. Easy to install and use, the EP 10 provides optimal efficiency for your business continuity without requiring high power thanks to its intelligent control system. It is highly user-friendly for polyurethane spraying applications.

I. Ideal for spraying in small and hard-to-reach areas.
II. It can be operated by a single person.
III. Preheaters and hose heaters can be used as a hybrid. (Boost Mode)
IV. Economical electricity consumption. (1-phase 220 V - 25,9 /28 A)
V. Easy to use, store, and transport.
VI. No transfer pump required.

Single-Phase Electricity
- *Easy to use anywhere*

Easy Maintenance
- *Easy to disassemble/assemble for maintenance needs*

Heated Hose
- *Allows use of heated hoses up to 33 meters long*



Heater Controllers

I. *Allows you to easily set precise operating temperatures.*
II. *Option to manually turn heaters on/off.*

Material Counter

Counts only the amount of material sprayed.



Preheaters

11,200 W preheating power.

Horizontal Pumping

Easy troubleshooting and maintenance.

Automatic Lubrication System

Independent and self-contained ISO lubrication system for infrequent maintenance periods.

Polyurea Coating Machine (Hydraulic-Analog)

KPX 10 +

Pusmak's hydraulically driven, 3-phase KPX 10+ spray machine is designed and manufactured to meet the needs of polyurea coating and spray foam specialists. Its precise proportioning capabilities ensure a perfectly balanced mix of the two components.

The machine is equipped with all the technical features necessary for user comfort during application. A maximum spray power of 200 bar - 2900 psi and a preheating system with a total power of 11,200 watts allow users to apply polyurea and spray foam in all seasons.

The KPX 10+'s hose heating system is designed to accommodate the use of various types of heated hoses. The machine's simple design makes it easy for users to operate. The phase sequence can be manually adjusted using the included electrical box.

Hydraulic Proportioning System
- *High precision for operating pressure and mixing ratio*

Simplified Interface
- *Easy to use and control*
-

Heated Hose
- *Can handle hoses up to 90 meters long*

KPX 20 +

Polyurea Coating Machine (Hydraulic)

Pusmak's hydraulically driven, 3-phase KPX 20+ proportioning machine is designed and manufactured to meet the needs of polyurea and spray foam professionals. Its precise proportioning capacity ensures a perfectly balanced mix of the two components. The machine is equipped with all the necessary technical features for user comfort during application.

A maximum spray power of 200 bar - 2900 psi and a preheating system with a total power of 11,200 watts allow users to apply polyurea and spray foam in all seasons. The KPX 20+'s hose heating system allows the use of different types of heated hoses.

Error control automation allows the user to limit the pressure tolerance range and check the error history to diagnose potential problems. The machine's simple design simplifies user operation. The phase sequence is automatically adjusted within the machine.

Eco Mode for Preheaters
- *Reduces preheater heating power, allowing the machine to reduce power consumption.*

Diagnostic System
- *Touchscreen diagnostics for quick and easy troubleshooting.*

Long Durability
- *Ability to work for extended periods without interruption.*

Control Panel

I. Error detection system.
II. Instantaneous pressure imbalance control.
III. Digital additional pressure gauges.

Phase Indicators

Lights indicating correct electrical input.

Heater Controllers

I. Ilows you to easily set precise operating temperatures.
II. Option to manually turn heaters on/off.



Preheaters

Total preheating power of 11,200 W for raw materials.

Phase Indicators

Lights to indicate whether the electrical input is correct.

Control Panel

I. *Error detection system.*
II. *Instantaneous pressure imbalance control.*
III. *Digital additional manometers.*

Heater Controllers

I. *Allows you to easily set precise operating temperatures.*
II. *Option to manually turn heaters on/off.*



Preheaters

Total preheating power of 12,400 W for raw materials.

High-Performance Polyurea Coating Machine

KPX 40

Pusmak's hydraulically driven KPX 40 proportioning machine is designed and manufactured for polyurea coating professionals and spray foam specialists who require exceptionally high performance in the workplace. Its precise proportioning capacity ensures the applicator achieves a perfectly proportioned mixture of two components.

The preheating system, with a maximum hydraulic capacity of 200 bar - 2900 psi and a total power of 12,400 watts, allows the user to apply spray foam in all seasons. The KPX 40's hose heating system is designed to accommodate the use of different types of heated hoses.

Error control automation allows the user to limit the pressure tolerance range and check the error history to diagnose potential problems. The machine's simple design simplifies user operation. The phase sequence is automatically adjusted within the machine.

High Preheating Power
- *Total preheating power of 12.4 kW*

Long Durability
- *Self-contained, independent lubrication system requiring infrequent maintenance intervals*

Highest Efficiency
- *Highest output for the KPX series*
- *Spraying performance of up to 11,9 kg per minute*

Longer Hose
- *Ability to work with a 105 m long hose*

KPX 50

High-Performance Spray PU Foam Machine (Hydraulic)

Pusmak's hydraulically driven KPX 50 proportioning machine is designed and manufactured for users applying spray foam. Its precise proportioning capacity ensures the applicator a perfectly proportioned mixture of two components. The machine is equipped with all the necessary technical features to ensure adequate pressure and flow for high performance.

A preheating system with a maximum spraying power of 200 bar - 2900 psi and a total power of 12,400 watts allows users to apply spray foam in all seasons. The KPX 50's hose heating system allows the use of different types of heated hoses.

Error control automation allows the user to limit the pressure tolerance range and check the error history to diagnose potential problems. The machine's simple design simplifies user operation. The phase sequence is automatically adjusted within the machine.

High Preheating Power
- *Total preheating power of 12.4 kW*

Long Durability
- *Self-contained, independent lubrication system requiring infrequent maintenance intervals*

Highest Efficiency
- *Highest output for the KPX series*
- *Spraying performance of up to 14.8 kg per minute*

Longer Hose
- *Ability to work with a 105 m long hose*

Control Panel

I. Error detection system.
II. Instantaneous pressure imbalance control.
III. Digital additional manometers.

Phase Indicators

Lights to indicate whether the electrical input is correct.

Heater Controllers

I. Allows you to easily set precise operating temperatures.
II. Option to manually turn heaters on/off.



Preheaters

Total preheating power of 12,400 W for raw materials.

Air Compressor

The air compressor is integrated into the system.



Integrated Generator

The machine includes various options for integrated generators with a total power output of up to 44 kVA.

Generator Integrated Spraying Machine

GENSET

Pusmak's hydraulically driven, generator-compressor-integrated spray proportioning machine is designed and manufactured to meet the needs of polyurea coating and spray foam professionals. The spray machine is built around a generator and integrated with an air compressor. This compact set allows sprayers to operate in areas without 3-phase power. It can also operate with mains electricity using the generator. Its precise proportioning capability ensures users achieve a perfectly proportioned mixture of the two components.

The machine is equipped with all the technical features necessary to ensure user comfort during application. A maximum spray power of 200 bar, 2900/psi, and a preheater system with a power output of up to 12,400 watts allow users to apply polyurea and spray foam in all seasons.

The Genset Integrated Spray Machine's hose heating system is designed to accommodate the use of various types of heated hoses. Error control automation allows users to limit the pressure tolerance range and check the error history to diagnose potential problems. The machine's simple design makes it easy for the user to operate. The phase sequence is automatically adjusted in the machine.

Self-Sufficiency

- *The all-in-one system transforms this machine into the "all-terrain vehicle" of the PU sprayer industry.*

Variable Models for Integration

- *The generator is not limited to a single model of the integrated machine.*

Easy Installation in a Truck

- *Featuring its own generator and air compressor, this model can be easily installed in a truck, making it suitable for use even in rural areas.*

PURMIX

Variable Ratio Spray PU, PIR, CONIPUR Machine (Hydraulic)

Pusmak's hydraulically driven, 3-phase Purmix proportioning machine is designed and manufactured for variable-ratio coating materials such as Conipur and PIR. It can also spray standard polyurea elastomers and spray foam at equal ratios. With its mechanical proportioning system, Purmix guarantees users a very precise two-component mix between 1:1 and 1:2.25. Proportioning is also supported by custom-designed mixing chambers.

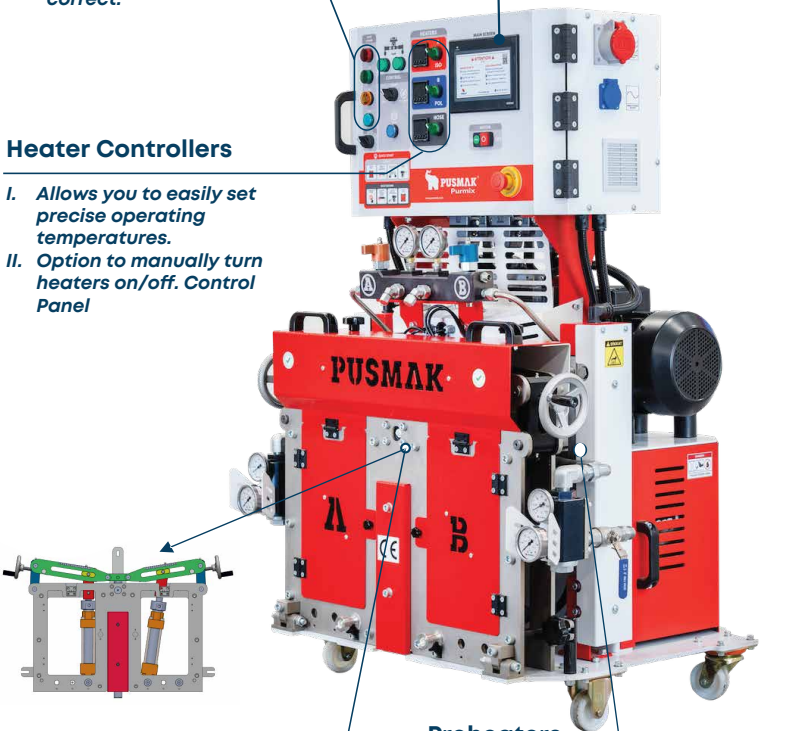
A preheating system with a maximum spraying power of 200 bar - 2900 psi and a total power of 11,200 watts allows users to apply polyurea and spray foam in all seasons. PURMIX's hose heating system is designed to accommodate different types of heated hoses.

Error control automation allows the user to limit the pressure tolerance range and check the error history to diagnose potential problems. The machine's simple design simplifies user operation. The phase sequence is automatically adjusted within the machine.

Proportional Spraying
- *Independent volume control for each side allows for variable material spraying rates.*

Mechanical Volume Control
- *Mechanical-based volume control system ensures precise spraying.*

Easy Maintenance
- *The reactor's tiltability simplifies maintenance.*



Spray Polyurea Coating Machines

MODEL	KPX 10+	KPX20+	KPX40	PURMIX	GENSET
Weight	305 kg	313 kg	315 kg	345 kg	1425 kg
Supply Voltage	380 V	380 V	380 V	380 V	380 V
Number of Phases	3	3	3	3	3
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Preheater Power	11.2 kW	11.2 kW	12.4 kW	11.2 kW	11.2 / 12.4 kW
Maximum Hose Heater Power	4,5 kW	4,5 kW	4,5 kW	4,5 kW	4,5 kW
Installed Power	22.2 kW	21 kW	22.2 kW	22.2 kW	22.2 / 23.4 kW
Pump System	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Maximum Hose Length	90 m	90 m	105 m	105 m	90 / 105 m
Approximate Output Per Cycle	230 g	290 g	290 g	Variable	230 / 360 g
Maximum Flow Rate	5.6 kg/min	7,3 kg/min	11,9 kg/min	4.52–6.46 kg/min	14.8 kg/min
Mixing Ratio	1:1	1:1	1:1	1:1–1:2.25	1:1
Maximum Liquid Temperature	80°C	80°C	80°C	80°C	80°C
Maximum Working Pressure	200 Bar	200 Bar	200 Bar	200 Bar	200 Bar
Height	1.20 m	1.35 m	1.35 m	1.40 m	1.85 m
Width	1.05 m	1.05 m	1.05 m	1.10 m	1.05 m
Length	0.75 m	0.75 m	0.75 m	0.70 m	2.10 m

MODEL	KPX 10	KPX20	KPX50	EP10
Weight	305 kg	313 kg	315 kg	157 kg
Supply Voltage	380 V	380 V	380 V	220 V - 25,9 /28 A
Number of Phases	3	3	3	1
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Preheater Power	9.6 kW	9.6 kW	12.4 kW	2400 W
Max. Hose Heater Power	4,5 kW	4,5 kW	4,5 kW	1.4 kW
Installed Power	20.6 kW	20.6 kW	22.2 kW	5,7 - 6,2 kW
Pump System	Hydraulic	Hydraulic	Hydraulic	Electric
Max. Hose Length	90 m	90 m	120 m	33 m
Approx. Output Per Cycle	230 g	230 g	360 g	12,3 ml
Max. Flow Rate	5.8 kg/min	5.8 kg/min	14.8 kg/min	4.5 kg/min
Mixing Ratio	1:1	1:1	1:1	1:1
Max. Liquid Temperature	80°C	80°C	80°C	70°C
Max. Working Pressure	160 Bar	160 Bar	200 Bar	200 Bar
Height	1.20 m	1.35 m	1.35 m	1.15 m
Width	1.05 m	1.05 m	1.05 m	0.65 m
Length	0.75 m	0.75 m	0.75 m	0.95 m

SP2
Spray Gun

SP2

Easy to Clean

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

Comes with all cleaning equipment

The kit includes all wrenches, sockets, drill bits, brushes, etc.

Compatibility

Compatible with all brands of machines. Comes with all cleaning equipment

Weighs only 1.05 kg

The lightest spray gun in the industry.





Pusmak's air-purge SP2 is a lightweight and durable spray gun designed for polyurethane foam and polyurea. The spray gun kit comes with extra spare parts such as o-rings, filters, nozzle, side seals, etc. The SP2's ergonomic handle allows you to work for extended periods.

Operating Requirements

- Maximum working pressure: **200 bar**
- Gun pressure: **6-8 bar**
- Maximum fluid temperature: **88°C**

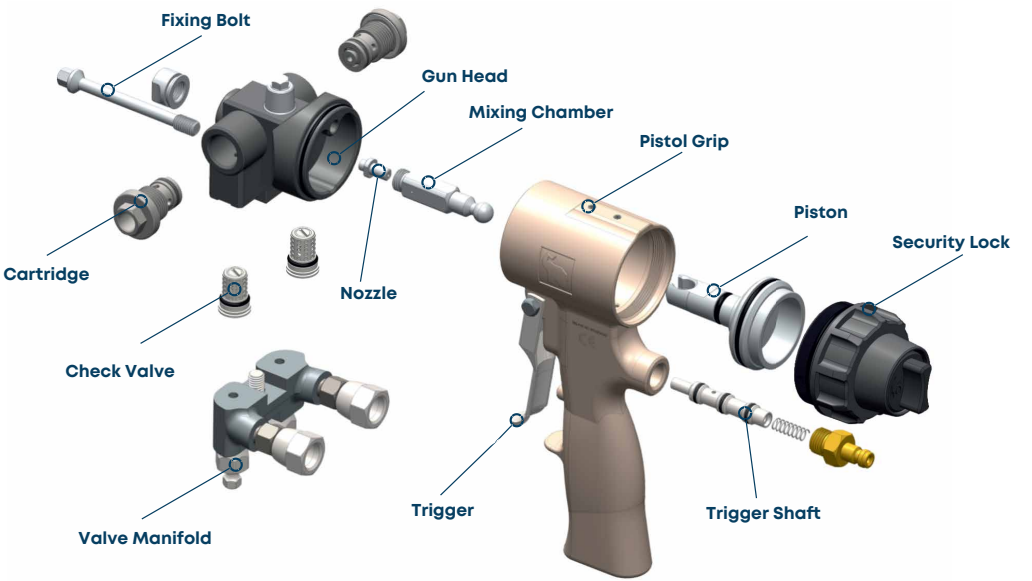
Safety Interlock

The spray gun is equipped with a safety interlock that cuts off the chemical flow. This feature ensures safety during interruptions during spraying operations.

Gun Maintenance

Thanks to its simple design, even inexperienced users can disassemble and reassemble the spray gun. This simplicity makes cleaning and maintenance as easy as possible. Consumables and spare parts are always in stock from the manufacturer, so you can order them immediately when needed.

SP2 Spray Gun
Technical Details



SP2 SPRAY GUN	
Maximum Fluid Working Pressure	200 Bar
Minimum Air Inlet Pressure	6 Bar
Maximum Air Inlet Pressure	8 Bar
Maximum Fluid Temperature	88°
Air Inlet Size	1/4 NPT
Component A (ISO) Inlet Size	-5 JIC; 1/2-20 UNF
Component B (POL) Inlet Size	-6 JIC; 9/16-18 UNF
Dimensions	17 x 20 x 8,5 cm
Weight	1,05 kg

Air hose 1/4 NPT quick air jack After installing the fittings, refer to the system operating instructions.

TP Transfer Pumps (Adaptable to IBC Tanks)

TP



Pusmak drum pumps are suitable for a variety of applications thanks to their advantages, including:

- Transporting variable viscosity liquids: Transfer pumps efficiently handle both low- and high-viscosity materials, making them versatile.
- Precise dosing: The mechanical dosing system provides precise control over the pumped liquid volume, which is especially important for processes where precise dosing is critical.
- Pneumatic drive: Spark-free operation reduces the risk of ignition and explosion, making the pumps safe for use with flammable or chemically active materials. Simplified maintenance minimizes equipment downtime and reduces maintenance costs.

TP TRANSFER PUMP	
Required Air Pressure	6–8 Bar
Maximum Output Pressure	50 Bar
Maximum Flow	19 L/Min
Spark	Non Sparking
Maximum Ambient Temperature	50°C
Maximum Fluid Temperature	88°C
Hose Diameter	5/16 İnç
Height	140 Cm
Weight	9,5 Kg
Diameter	9 Cm

PH15-PH3

PH15 and PH30 Heated Hose Technical Details

Designed for heavy-duty applications, Pusmak's universal heated hoses ensure reliable heat retention and consistent pressure stability in your proportioner. Thanks to the Type-E thermocouple these hoses can be used with proportioners of the other brand machines with a similar thermocouple. The secret of the quality of these hoses lies in their multilayer construction: a chemically resistant polyamide (PA12) interlayer, a stranded copper braid, as well as the presence of a heat-insulating PU layer and resistance to high pressure. Externally, these hoses are equipped with a flexible, abrasion-resistant protective shell designed to work in the most difficult conditions.



PH15 Heated Hose



PH30 Heated Hose

	Length	Temperature Sensor Type	Inner Diameter (inç)	Maximum Operating Temperature	Maximum Operating Pressure	Required Heating Power (W)	Fittings (1st end)			Fittings (2nd end)		
							Iso	Pol	Air	Iso	Pol	Air
PH15 Heated Hose	50 ft. / 15 m.	E-type thermocouple	3/8	194 °F / 90 °C	3500 PSI / 240 Bar	525	Machine end			Sensor end		
							1/2 UNF (female)	9/16 UNF (female)	1/4 BSP (female)	1/2 UNF (male)	9/16 UNF (male)	1/4 NPT (male)
PH30 Heated Hose	100 ft. / 30 m.	E-type thermocouple	3/8	194 °F / 90 °C	3500 PSI / 240 Bar	1050	Machine end			Sensor end		
							1/2 UNF (female)	9/16 UNF (female)	1/4 BSP (female)	1/2 UNF (male)	9/16 UNF (male)	1/4 NPT (male)

PH3 and PH6 Whip Hose Technical Details



PH3 Whip Hose



PH6 Whip Hose

The heated whip hoses PH3 and PH6 are an ultra-flexible hose segment designed to connect the main line of the heated hoses to the spray gun when working with polyurethane foam and polyurea. Thanks to the use of high-tech thermal insulation, our whip hoses are 30% thinner and more elastic than standard market analogues, which ensures maximum maneuverability in hard-to-reach places. The 20% increased power of the heating elements allows the equipment to reach operating mode faster, significantly saving time on site. Uniform winding The three stranded wires guarantee efficient heating without the risk of overheating the system, even with intense bending of the hose. These whip hoses are fully compatible with proportioners from other global brands with a similar type of thermocouple and are supplied in a wear-resistant protective shell, eliminating the need for additional refinement before starting the work. Versions with lengths of 3 and 6 meters are available.

	Length	Temperature Sensor Type	Inner Diameter (inç)	Maximum Operating Temperature	Maximum Operating Pressure	Required Heating Power (W)	Fittings (1st end)			Fittings (2nd end)		
							Iso	Pol	Air	Iso	Pol	Air
							Sensor end			Gun end		
PH3 Whip Hose	10 ft. / 3 m.	E-type thermocouple	1/4	194 °F / 90 °C	3500 / 240 Bar	105	1/2 UNF (female)	9/16 UNF (female)	1/4 BSP (female)	1/2 UNF (male)	9/16 UNF (male)	1/4 NPT (male)
							Sensor end			Gun end		
PH6 Whip Hose	20 ft. / 6 m.	E-type thermocouple	1/4	194 °F / 90 °C	3500 PSI / 240 Bar	210	1/2 UNF (female)	9/16 UNF (female)	1/4 BSP (female)	1/2 UNF (male)	9/16 UNF (male)	1/4 NPT (male)

PH63 Heated Hose Technical Details

Pusmak's PH63 heated hoses are designed for spraying polyurethane foam, providing high throughput regardless of external conditions. The hoses are equipped with thermocouple located next to the spray gun, which provides accurate readings of the liquid's temperature for uniform application. The advanced insulation layer helps to keep the hoses warm, allowing them to work efficiently even in cold weather.



PH63 Heated Hose

	Length (meter)	Outer diameter (inch)	Inner diameter (inch)	Maximum pressure (Bar)	Required Heating Power (W)	Combinability	Fittings (1st end)		Fittings (2nd end)	
							Iso	Pol	Iso	Pol
PH63 Hose	63	19/32	5/16	420	3150	Not Combinable	Machine end		Sensor end	
							3/4 UNF (female)	3/4 UNF (female)	1/2 UNF (female)	9/16 UNF (female)
PH63 Whip Hose	0,6	19/32	5/16	420	Not heated	Not Combinable	Sensor end		Gun end	
							9/16 UNF (male)	9/16 UNF (male)	1/2 UNF (male)	9/16 UNF (male)

SP2

Spray Gun



Ergonomic Handle
Easy Spray

PUSMAK®

trust this power



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