



# PSV Brine Pump Injectors

## PM3 and PM4 Selection Guide

Professional customer-facing brochure for choosing the right brine pump for curing, salting, and delicatessen production.



### PM3

**Compact. Simple. Economical.**

Best for small-batch production and facilities that want a straightforward single-phase brine pump.



### PM4

**Higher output. Pressure controlled.**

Best for regular production, adjustable pressure, repeatability, and larger batch requirements.

**PM3 is the practical compact model. PM4 is the performance model with pressure control and higher throughput.**

CM Machine Services helps customers choose the correct PSV pump based on production volume, products, power supply, and growth plans.

## Main Customer Message

### PM3 = compact professional brining

Use PM3 when the customer wants a simple, economical, space-saving brine pump for smaller batches and easy operation.

### PM4 = output, pressure, repeatability

Use PM4 when the customer needs higher throughput, adjustable pressure, and more control across different products.

Decision point	PM3	PM4
<b>Best fit</b>	Small butcher shops, delis, restaurants, artisan producers	Delicatessens and processors with regular or higher-volume production
<b>Capacity</b>	750 L/hour	1620 L/hour
<b>Pressure</b>	Fixed 2.5 bar	Variable 1.5 to 4.5 bar
<b>Pressure gauge</b>	No	Yes - integrated manometer
<b>Key benefit</b>	Simple, compact, economical	More control, speed, and consistency
<b>Construction</b>	Full stainless steel	Stainless monobloc case with 316L stainless steel pump head
<b>Electrical</b>	230V / 1ph / 50Hz manufacturer specification	380V / 3ph / 50Hz manufacturer specification; 230V / 60Hz / 1ph available
<b>Options</b>	3 or 5 needle multiprobe	3 or 5 needle multiprobe; single-phase motor option

### Sales takeaway

Do not present PM4 only as the bigger unit. Present it as the model for adjustable pressure, repeatable settings, higher production capacity, and customers who want room to grow.



## PM3

### Professional brining made simple

Compact, portable brine injection for smaller shops and easy operation.

## Why choose PM3

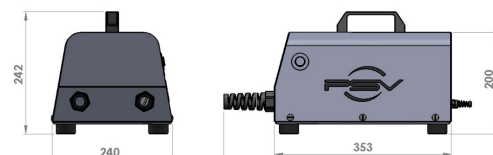
- Compact size and 11.5 kg weight make it easy to place and move.
- Pistol-handle start and stop keeps operation simple for staff.
- Self-priming constant-output pump provides straightforward brining performance.
- 230V single-phase configuration is practical for many small shops.
- A strong economical choice when adjustable pressure is not required.

## PM3 key specifications

Capacity	<b>750 L/hour</b>
Pressure	<b>2.5 bar</b>
Power	<b>0.25 kW</b>
Electrical	<b>230V / 1ph / 50Hz</b>
Dimensions	<b>350 x 225 x 240 mm</b>
Weight	<b>11.5 kg</b>
Construction	<b>Full stainless steel</b>
Options	<b>3 or 5 needle multiprobe</b>

## Recommend PM3 when:

- We do smaller batches.
- We need a compact machine.
- We want simple operation.
- We want an economical professional solution.



Technical diagram from PSV PM3 technical sheet.



## PM4

**More control. More output. More**

Production-focused brine injection with adjustable pressure and higher capacity.

### PM4 key specifications

Capacity	<b>1620 L/hour</b>
Pressure	<b>1.5 to 4.5 bar</b>
Power	<b>0.56 kW</b>
Electrical std.	<b>380V / 3ph / 50Hz</b>
Electrical option	<b>230V / 60Hz / 1ph</b>
Dimensions	<b>543 x 280 x 297 mm</b>
Weight	<b>17 kg</b>
Pump head	<b>316L stainless steel</b>
Options	<b>3 or 5 needle multiprobe</b>

## Why choose PM4

- 1620 L/hour theoretical output supports regular or higher-volume production.
- Variable pressure from 1.5 to 4.5 bar adapts to different products.
- Integrated pressure gauge helps operators repeat settings consistently.
- 316L stainless steel pump head and monobloc stainless case for demanding use.
- Sound-absorbing plates and ventilation system support daily production areas.

### Recommend PM4 when:

- We produce regularly.
- We need faster throughput.
- We process different products.
- We want adjustable pressure.
- We need repeatable results.

### Important electrical note

PM4 can be supplied for 230V / 60Hz / 1ph applications. Confirm final voltage and phase at time of quote.

CM Machine Services can help confirm configuration.