

cannon



**THE WORLD'S
BEST-SELLING
HIGH-PRESSURE
DOSING
MACHINE**

A-COMPACT

High-pressure metering unit





Technology, quality, and reliability

Simple and versatile, Cannon A-Compact is the ideal solution for numerous applications and combines high performance, efficiency, and reliability to ensure a first-class finished product.

The machine is available in several configurations, including those using pentane and high processing temperatures (up to 120°C).

Main applications

- Low-density rigid foams
- Flexible foams for automotive and furniture
- Integral skin
- High-density foams

Main standard components

- Jacketed and insulated 200 L tanks with automatic refilling and level control
- Temperature control: heat exchangers for cooling and electric resistance for heating
- Power saving: low- and high-pressure recycling
- Manual edge filters with scraper cleaning
- Recycle stream distributors
- Low-/high- digital pressure gauges

Main options

- Tanks sizes from 40 up to 250 L
- Mechanical stirring for tanks
- On/off filling valves or refilling pumps
- Automatic edge filters
- Magnetic couplings for metering pumps
- Rotating boom or other mixing head holders
- Flow transducers on board

A smooth manufacturing

The highest quality of polyurethane foam is guaranteed by the perfect dosage of its components. For this reason, we have developed our A-Compact to grant superior control over PU processing.

Through a very user-friendly "3-clicks" HMI, it is possible to easily set up all machine parameters and working modes and pouring programs that can be selected shot-by-shot.

A closed-loop control of output and ratio is available to compare set and actual values in real-time and adjust the parameters, keeping them stable.

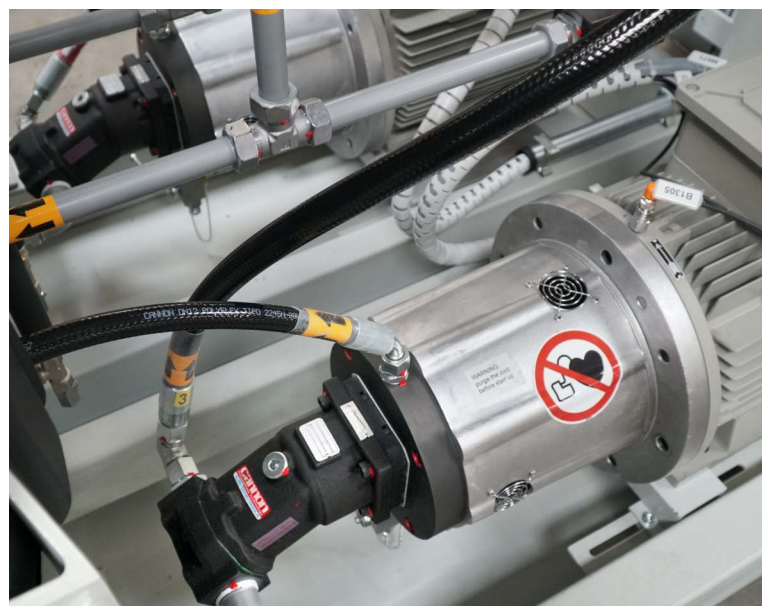
To support your energy savings, we developed the "Eco" mode, which stops the machine motors when not in the working cycle, thus avoiding wasting energy unnecessarily.

Furthermore, a "Weekend Cycle" keeps the chemicals homogeneous and temperature conditioned during production downtime, alternating low- and high-pressure recycling with complete machine stops for a set time.

Easy to install, easy to maintain

All Cannon A-Compact components are mounted on a single skid, giving the machine a very compact layout for easy positioning in every production hall.

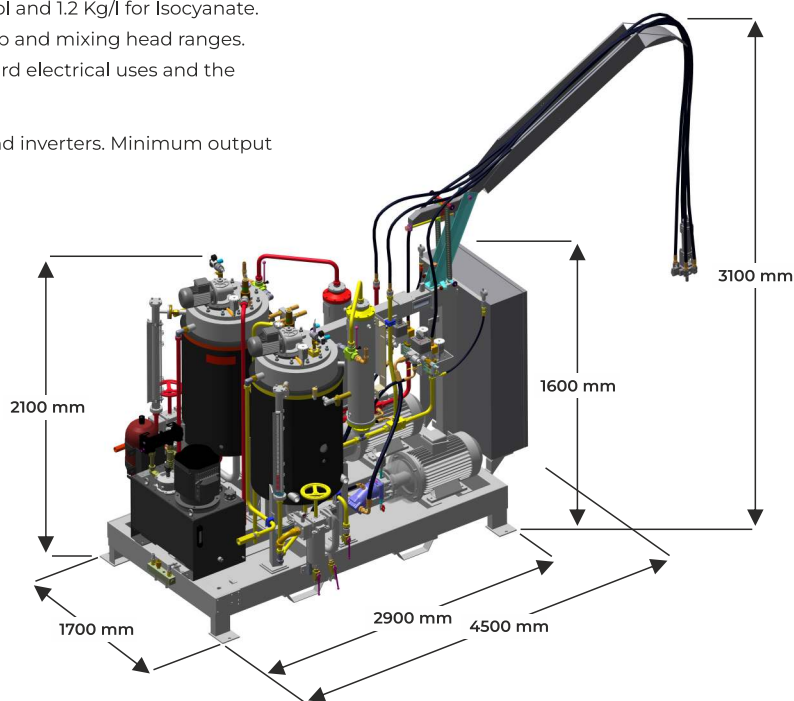
Its simple design allows maximum accessibility to every machine component, facilitating cleaning and maintenance.



	Output range - g/s*				Installes power (kW)	Air consumption (nl/shot)
	Ratio 1 : 1 Min.	Max.	Ratio 2 : 1 Min.	Max.		
A-Compact 10	35	160	50	120	14	80
A-Compact 20	65	330	100	250	20	80
A-Compact 40	130	660	200	500	28	80
A-Compact 60	...	...	200	1050	49	80
A-Compact 100	330	1650	500	1240	55	100
A-Compact 200	600	3000	900	2270	90	100

Output values are calculated assuming a density of 1.0 Kg/l for Polyol and 1.2 Kg/l for Isocyanate.
The actual flow rate depends on the combination of metering group and mixing head ranges.
Installed power is estimated at 200 bar and considers all the standard electrical uses and the available optional devices, which can be installed on request.

*Based on a machine model equipped with fixed output pumps and inverters. Minimum output is calculated at 10 Hz and maximum output at 60Hz.



Overall dimensions are related to all machine models.
Exception is made for the "A-Compact 200".

We are part of the Cannon Group, an international machinery manufacturing holding, which comprises more than 30 companies and branches worldwide.

Dedication to continuous innovation and a strong commitment to reducing the ecological footprint are the drivers of all the Group's technology developments, with a clear focus on energy efficiency, resource consumption reduction, and emissions reduction.



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