

High pressure spray guns for liquid compound



The MCP-SPRAY has been designed for emulsion metering, including the most aggressive emulsions like abrasive liquid paste used in polishing and grinding metals. This high pressure spray gun may be used in any kind of automatic and semiautomatic grinding and polishing machines or cleaning units.

Gun is operated by compressed air, controlled by either electrovalve or by pedal or manual actuation.

When the air cylinder is activated, the cylinder rod extends into the material (paste) chamber pushing the cleaning emulsion through the nozzle, after the closing pin has opened. The pressure, generated by the extension of the pushing rod into the material chamber, reaches about 80 bar (80 Kg/cm²) with a feeding pressure of 5-6 bar. The air consumption is about 0,5 m³/h with a 1 second cycle.

Rotating the adjusting knob it is possible to adjust the material metering with precision. The gun weight is 1,9 Kg.

The supply of the emulsion to the gun can be made through a pressured tank (6 bar pressure) or through a pneumatic feeding pump with a flexible hose (3-8 bar pressure).

The spray width depends on the installed nozzle angle. The following table shows the range of the most used nozzles, suggested by us.

		A				
		20°	40°	65°	90°	120°
C	600				300	173
	500				250	144
	400				200	115
	300			235	150	87
	200			155	100	
	180			140	90	
	160		220	125	80	
	140		190	110		
	120		160	95		
	100		135	78		
	80	220	105			
	50	140	70			
20	60					

A	spray angle (°)
B	wheel-gun distance (mm)
C	wheel width (mm)

