

Application Systems for Polishing Emulsions

menzerna
polishing compounds



Polishing Emulsions

The exact coordination of the polishing emulsions and application systems guarantees optimum surface quality at the right price. Menzerna offers technical advice and an extensive range of polishing emulsions for all applications.

Product Summary

High Pressure Systems

Low Pressure Systems




menzerna high pressure gun



menzerna marathon



menzerna-CS 20

Operation	The polishing emulsion is applied directly onto the polishing disc at adjustable, constant volumes of 0.5 – 7 cm ³ in pulses at high pressure without the supply of atomised air.	The polishing emulsion is sprayed directly onto the workpiece via a time relay at adjustable intervals by standard nozzles without additional atomised air.	
Advantages	<p>The high pressure of the spray jet prevents loss of emulsion through extraction fans or cross-draught.</p> <ul style="list-style-type: none"> Adjustable to numerous specific requirements 	<ul style="list-style-type: none"> Short downtimes due to quick and easy replacement of gun head 	<ul style="list-style-type: none"> Emulsion loss reduced by reflection-free, direct coverage of workpieces. Cleaner working area, as no atomisation of polishing emulsion.
Technical Data			
Control	3/2 way valves (G 1/4)	3/2 way valves (G 1/4)	5/2 way valves (G 1/4)
Air supply	LW 10	LW 10	LW 6
Air pressure	4 – 6 bar	4 – 6 bar	3 – 6 bar
Paste feed	4 – 6 bar	4 – 6 bar	5 – 20 bar
Paste supply	13 mm	13 mm	13 mm
Quantity dispensed	1,5 - 4,0 cm ³	Marathon 10: 0,5 – 2,8 cm ³ Marathon 12: 1,2 – 4,0 cm ³ Marathon 16: 2,0 – 7,0 cm ³	Variable control owing to compressed air feed
External jet head for space-saving installation			not applicable

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Recommended nozzle / coverage area distances for different spray angles and coverage widths

Jet width (coverage width) in mm

Spray angle	600	500	400	300	200	180	160	140	120	100	80	50	20	0	
0°															75
20°											230	140	60		
40°							220	190	165	135	110	70			
65°				235	155	140	125	110	95	78					
90°	300	250	200	150	100	90	80								
120°	173	144	115	87											

Safety Information



- The spray guns must **never be directed at people**.
- **The compressed air must be turned off** and **the stop valve for the spray substance closed** before beginning maintenance work on the gun.
- Faulty parts must be immediately **replaced with original spare parts** or repaired.
- Following repairs, **the connection of the supply lines** and **the secure fit of all screws and nuts** must be checked before the gun is used.