Low-pressure diaphragm pumps for product feeding

The ZIP and UNICA pneumatic double diaphragm pumps were designed specifically for reduced air consumption coupled with better performance and maximum reliability. The exclusive design and the broad application spectrum enable its use for corrosive, abrasive and highly viscous liquid media. ZIP pumps cover a broad application spectrum, including the feeding of paint supply systems; the feeding and circulation of printing ink, solvents, paints, chemicals and oils; the disposal of liquid waste; the supply of low-viscosity adhesives; and filling/emptying of tanks, drums and containers.

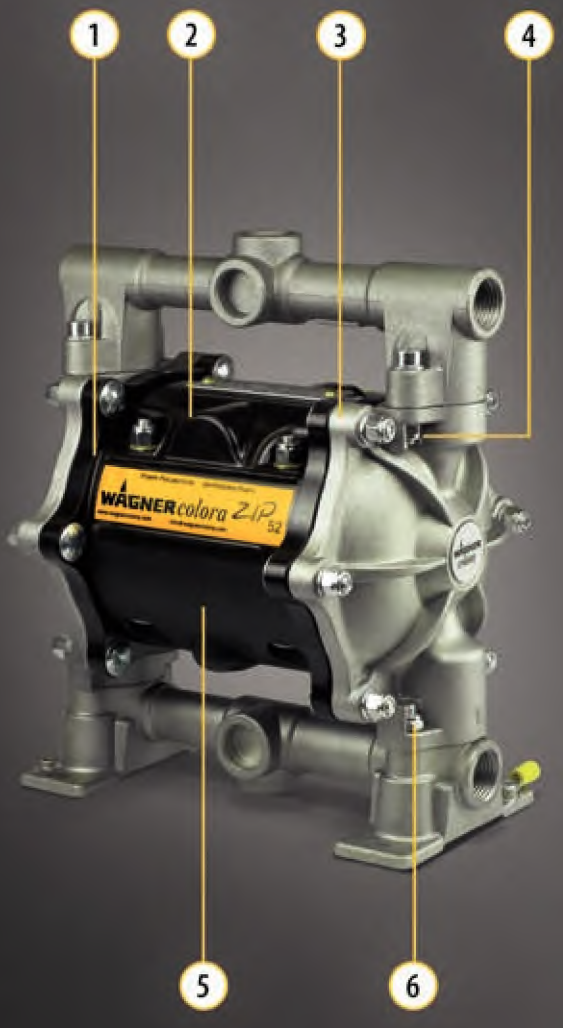
1. Reliability
The special long-life diaphragm ensures a high degree of reliability and minimum downtime. High chemical compatibility tanks to PTFE O-rings.

2. Minimal pressure
Thanks to minimized internal friction, the pump starts up reliably even with very low air pressure.

3. Versatility
Different pump sizes and a comprehensive product range ensure a wide range of possible application.

4. High efficiency
The optimized design with less dead space enables rapid paint changes and cleaning, and a reduction in the amount of solvent required.

5. High performance
The air motor ensures highest performance without icing and simultaneously reduced air consumption. No additional lubrication is required.



Overview of low-pressure diaphragm pumps

WAGNER offers a comprehensive accessories range for low-pressure diaphragm pumps. Please choose the perfect solution for your requirements from the following table. Further information can be found in the product pages.

	Unica 4-270	Zip 52 PP, non-conductive	Zip 52 Perfect Flow plastic	Zip 80 aluminum	PM500	Zip 182
Material inlet/outlet						
1/2" BPS		●	●			
3/4" BPS	●			●		
1" BPS					●	●
Max. flow						
8.1 l/min	●					
28 l/min			●			
52 l/min		●				
80 l/min				●	●	
182 l/min						●
Maximum material inlet pressure						
8 bar, 116 PSI		●	●	●	●	●
27 bar, 392 PSI	●					
Metal version						
Aluminum						
Nickel-coated aluminium						
Stainless steel						
Conductive plastic version						
POM		●	●	●		
PVDF		●		●		
Non-conductive plastic version						
Polypropylene		●	●	●		
PPS			●			

● very suitable
● suitable to a limited extent