3. Functions

Overview of functions

		DDA			DDC		DDE	
	Control variant:	FCM	FC	AR	AR	A	P	B
General								
Digital Dosing: Internal stroke speed and frequency control		●	●	●	●	●	●	●
Mounting plate (basic/wall mounting)		●	●	●	●	●	●	●
Control panel, see page 9								
Control cube mountable in three positions: front, left, right		●	●	●	●	●		
Control panel position: front-fitted							●	●
Transparent protective cover for control elements		●	●	●	●	●		
Capacity setting in millilitres, litres or US-gallons		●	●	●	●	●		
Graphical display with background light in four colours for status indication: white, green, yellow, red		●	●	●	●	●		
Plain-text menu in different languages		●	●	●	●	●		
Turn-and-push knob (click wheel) for easy navigation		●	●	●	●	●		
Capacity adjustment knob (0.1 - 100 %)							●	●
Start/Stop key		●	●	●	●	●		
100 % key (deaearation)		●	●	●	●	●	●	
Operation mode switch (manual/pulse)							●	
Operation modes, see page 11								
Manual speed control		●	●	●	●	●	●	●
Pulse control in ml/pulse		●	●	●	●	●		
Pulse control (1:n)							●	
Analog control 0/4-20 mA		●	●	●	●			
Batch control (pulse-based)		●	●	●				
Dosing timer cycle		●	●	●				
Dosing timer week		●	●	●				
Fieldbus control		●	●	●				
Functions, see page 13								
Auto deaeration also during pump standby		●	●	●				
FlowControl system with selective fault diagnosis		●	●					
Pressure monitoring (min/max)		●	●					
Flow measurement		●						
AutoFlowAdapt		●						
SlowMode (anti-cavitation)		●	●	●	●	●		
Calibration mode		●	●	●	●	●		
Scaling of analog input		●	●	●				
Service information display		●	●	●	●	●		
Relay setting: alarm, warning, stroke signal, pump dosing		●	●	●	●			
Relay setting (additionally): timer cycle, timer week		●	●	●				
Inputs/outputs, see page 14								
Input for external stop		●	●	●	●	●	●	
Input for pulse control		●	●	●	●	●	●	
Input for analog 0/4-20 mA control		●	●	●	●			
Input for low-level signal		●	●	●	●	●		
Input for empty tank signal		●	●	●	●	●	●	
Output relay (2 relays)		●	●	●	●			
Output analog 0/4-20 mA		●	●	●				
Input/Output for GeniBus*		●	●	●				
Input/Output for E-box (Profibus DP or additional alarm relays)*		●	●	●				

* Planned for 09/2011