1.7.5 Peristaltic Pump DULCO®flex DF4a

The optimum pump for use in swimming pools, hot tubs and spa and wellness facilities.

Capacity range 1.5 – 12 l/h, 4 – 2 bar

The peristaltic pump DULCO®flex DF4a for metering flocculants and activated charcoal treats water precisely and accurately. It is ideal for use in swimming pools, hot tubs or spa and wellness facilities. An operating pressure up to 4 bar is possible.

There are three designs of DULCO®flex DF4a available.

1 Metering chemicals

2 Metering activated charcoal

3 Metering flocculants

This guarantees that the operating menu, inputs and outputs are always adapted to the respective application.



P_DX_0003_SW1

Your benefits

- Language-neutral user navigation
- Continuous adjustment of capacity
- Hose material in PharMed®
- Full control, as the capacity is shown in l/h in the display
- Safe and reliable operation: Flow volume and concentration can be entered reproducibly
- Long service life: Spring-loaded rollers stabilise rolling pressure and reduce wear and tear on the hose
- No irritating noise: low-noise stepper motor with ball bearing drive shaft
- Fast to use: simple installation and retrofitting, even with existing systems
- Guaranteed safety: Hose rupture monitoring system and fault indicating relay register and report all problems.
- Suitable for use around the clock – 100% switch-on time
- Operating hours counter for the peristaltic pump - always stay informed.

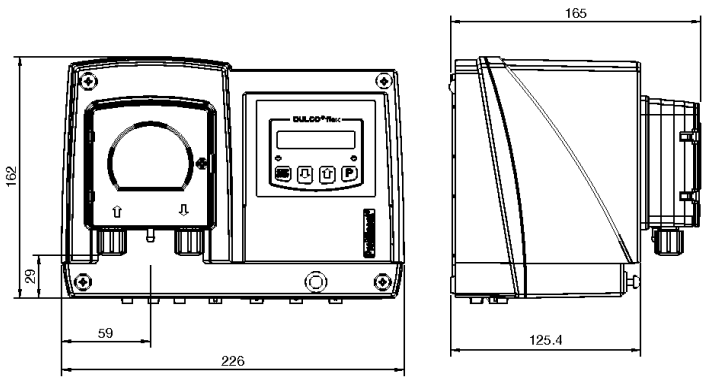
Technical details

- Priming function
- Night setback
- Inputs for contacts and analogue signals
- Housing degree of protection IP 65
- One or two-stage float switch input
- Operating hour counter
- CANopen interface

Field of application

Swimming pool water treatment

Dimensional drawing of DULCO®flex DF4a



DF4a_SW3

Dimensional drawing of DULCO®flex DF4a - dimensions in mm

1.7 Peristaltic Pumps DULCO®flex

1.7.6 Identity Code Ordering System

DULCO®flex product range, version DF4a

DF4a	Application															
	0	Chemical pump														
	A	Activated charcoal metering														
	F	Flocculant metering														
		Installation														
		W	Wall mounting													
			Version													
			0	With ProMinent® logo												
			1	Without ProMinent® logo												
				Type	**Capacity**											
					bar	**l/h**										
				04004	4.0	0.35										
				04015	4.0	1.50										
				03060	2.5	6.00										
				02120	2.0	12.00										
					Hose material											
					P	PharMed®										
						Hydraulic connectors										
						0	Standard connector 6x4									
						9	Special connector 10x4 discharge side									
							Power supply									
							U	100 - 240 VAC, 50/60 Hz								
								Cable and plug								
								0	Without cable							
								1	With cable 2.0 m; open end							
								A	With cable 2.0 m; Euro connector							
								B	With cable 2.0 m; Swiss connector							
									Accessories							
									0	Without accessories						
									2	With lip-seal metering valve PCB and 10 m PE metering line						
										Hardware extension						
										0	None					
											Language default					
											00	Language-neutral				
												Relay				
												1	Fault signalling relay, drop-out action			
												3	Fault signalling relay, pick-up action			
													Control versions			
													8	manual + external contact and analogue 0/4 - 20 mA + 0 - 10 V		
													C	as "8" and CANopen		
													D	such as "8" and CANopen and CAN connector		
														Further input		
														1	Pause + 2-stage level + AUX1	
														2	Pause + 1-stage level + AUX1 + AUX2	
															Pause/level	
															0	Pause break contact + level break contact
																Approvals
																01 CE-Symbol

PharMed® is a registered trademark.

Technical Data

Priming lift	3 mWS	Approx. power consumption:	24 W
Suction lift	4 mWS	Switching duration:	100%
Speed	0 - 85 RPM	Degree of protection:	IP 65
Permissible ambient temperature:	10-45 °C		

All data refers to water at 20 °C.

Spare Hoses

	Order no.
For type 04004 PharMed®	1034997
For type 04015 PharMed®	1030722
For type 03060 PharMed®	1030723
For type 02120 PharMed®	1030774

