ProMinent® DULCOFLEX Series Peristaltic Metering Pumps

Overview: DULCOFLEX - DFYa

The **DULCOFLEX- DFYa** metering pump adds an intelligent peristaltic offering to our established line of ProMinent pumps

This new design of peristaltic pump is controlled electronically via an HMI controller thus allowing for greater turndown in our DulcoFlex pump series. All the benefits of a peristaltic pump are retained including off-gassing fluids, high viscosity and abrasive media, and shear-sensitive liquids.

Like the DFXa, the DFYa offers simple and easy hose replacement via the HMI controller. When the hose needs replaced, the pump displays instructions for the user to step-through the replacement process.

Your benefits

- Contact, batch, manual or analog modes
- Adjustment of the metering rate directly in gph or I/h
- Connection to process control systems via a BUS interface, such as PROFIBUS®, Profinet or CANbus
- Large illuminated display
- Pump is available as an FDA design
- No problems with very gaseous media or air locks
- Reverse flow is possible
- Viscosities to 20,000 cPs



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Capacity Data

Capacity data: DULCOFLEX - DFYa

Pump Version	Capacity at	: Maximum E	Backpress	sure	Max. speed	Connector size	Pre-prim	ed suct. lift	Shipping weight		
	GPH ±10%	(L/h) ±10%	PSIG	(bar)	rpm	in	ft	(m)	lbs	(kg)	
04410	108.3	(410)	58	(4)	80	3/4"	26.25	(8)	66	(30)	
06410	108.3	(410)	87	(6)	80	3/4"	26.25	(8)	66	(30)	
08410	108.3	(410)	116	(8)	80	3/4"	26.25	(8)	66	(30)	

Tube material:

NR (Natural rubber)

NBR (Nitrile rubber), NBR-A (Nitrile rubber FDA approved)

EPDM HYPALON®

Adjustable feed rate: between 1.1 gph and 90.1 gph (5.1 l/h and 410 l/h)

Pre-primed suction lift: 26.25 ft (8 m)

Rollers/ shoes: Rollers

Metering reproducibility: ± 2% with retracted tube (after approx. 500 revolutions)

Electrical connection: 100 - 230 V ± 10%, 50/60 Hz

Power consumption: Max. 400 W Degree of protection: IP 55

Permissible ambient temperature: 32 - 113 °F (0 - 45 °C)

Optional relay modules:

Fault indicating relay - 230 V AC - 8 A

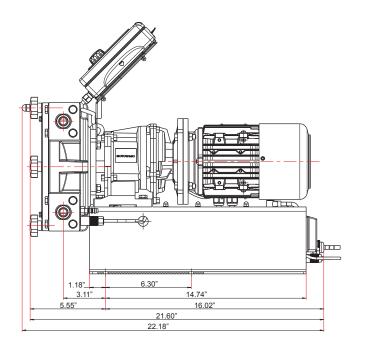
Fault indicating relay + Pacing relay - 24 V DC - 100 mA

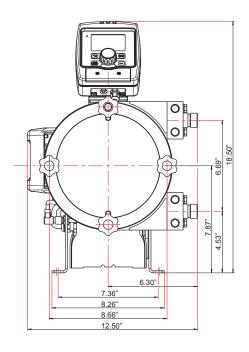
0/4-20 mA output + fault indicating/ pacing relay - 24 V DC - 100 mA

Capacity data represents minimum values, tested using water at 68 °F (room temperature)

HYPALON® is a registered trade mark of DuPont Performance Elastomers

Dimensional Drawings





Note: All above measurements are in inches

2022 - DULCOFLEX - DFYa 125

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Identcode Ordering System

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ı		08410	108.3 gp	oh ±10% (4	410 l/h), 1	/h), 116.0 psi (8 bar)															
ı			Tube material:																		
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			В		itrile rubb		Н	Hypalon													
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