



			Date:	11/26/2018			
osition	Count	Description					
		Signal inputs/outputs:					
		<ul> <li>Input for pulse, analog 0/4-20mA, external stop.</li> <li>Input for low-level and empty-tank signal.</li> <li>Two potential-free output relays for max. 30 V AC/DC (configurable, e.g. alarm, stroke signal)</li> </ul>					
		pump dosing, timer etc.)					
		- Output analog 0/4-20mA					
		- Fieldbus communication	interface (GeniBus,	also for additional Profibus DP E-box to retrofit).			
		Installation set includes:					
		- 2 pump connections (Hos	se 3/8x1/2" S).				
		- Foot valve (without level					
		- Injection unit.	,				
		- 6 m PE discharge hose.					
		<ul> <li>2 m PVC suction hose.</li> </ul>					
		- 2 m PVC deaeration hose	e (4/6 mm).				
		Technical:					
		Type key:	DDA 12-10 FCM-P	V/E/C-E-311004B			
		Max. Flow:	3.17 US gal/hour				
		Max. flow in slow mode 50%:	1.585 US gal/hour				
		Max. flow in slow mode 25%:	0.7925 US gal/hou	r			
		Min flow:	12.0 ml/h				
		Turn-down ratio:	1:1000				
		Approvals on nameplate:	CE,CSA-US,NSF6	1,RCM			
		Valve type: Maximum viscosity at 100 %:	Standard 300 mPas				
		Maximum viscosity in slow mode					
		Maximum viscosity in slow mode					
		Accuracy of repeatability:	1 %				
		Materials: Dosing head:	PVDF (Polyvinylide	ano fluorido)			
		Valve ball:	Ceramic				
		Gasket:	EPDM				
		Installation:	00 440 °F				
		Range of ambient temperature:					
		Maximum operating pressure: Installation set:	145 psi YES				
		Installation type:	3/8"x1/2" up to 60	/h.10bar			
		Pump inlet:	Hose 3/8x1/2" S				
		Pump outlet:	Hose 3/8x1/2" S				
		Max. Suction lift during operation					
		Max. Suction lift during priming:	9.843 ft				
		Liquid					
		Liquid: Pumped liquid:	Water				
		Liquid temperature range:	14 113 °F				
		Liquid temperature during opera					
		Density:	62.29 lb/ft <sup>3</sup>				
		Electrical data:					
		Electrical data: Maximum power input - P1:	24 W				
		Maximum power input - P1: Main frequency:	24 W 60 Hz				
		Rated voltage:	1 x 100-240 V				
		Enclosure class (IEC 34-5):	IP65 / NEMA 4X				
		Length of cable:	4.922 ft				
		Type of cable plug:	USA, Canada				
		Inrush current:	25A at 230V for 2n	IS			



Position	Count	Description Controls: Control variant: Level control:	FCM	
		Controls: Control variant: Level control:	FCM	
		Control variant: Level control:	FCM	
		A I '	YES	
		Analog input:	0/4-20 mA	
		Pulse control:	YES	
		Ext. Stop input:	YES	
		Analog output:	0/4-20 mA	
		Output relays: Bus communication:	2 YES	
		Bus communication.	163	
		Others:		
		Net weight:	6.62 lb	
		Gross weight:	8.82 lb	
		COLOR:	RED	
		Custom tariff no .:	8413.50.0050	



Date: 11/26/2018 97722548 DDA 12-10 60 Hz H [psi] DDA 12-10, 60Hz 160 150 140. 130-120 110 100. 90 80 70 60 50 40 30 20. 10-0 0.2 0.4 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0 Q [US gal/hour] 0.6 0.8



		Date:	11/2	26/2018	
Description	Value	H [psi]			DDA 12-10, 60Hz
General information:					
Product name:	DDA 12-10	160 -			
Product No.:	97722548	150			
EAN:	5710622726916	150 -			
Technical:		140 -			
<b>-</b> ,	DDA 12-10	140 -			
Type key:	FCM-PV/E/C-F-311004B	130 -			
Max. Flow:	3.17 US gal/hour				
Max. flow in slow mode 50%:	1.585 US gal/hour	120 -			
Max. flow in slow mode 25%:	0.7925 US gal/hour				
Min flow:	12.0 ml/h	110-			
Turn-down ratio:	1:1000	100			
Approvals on nameplate:	CE,CSA-US,NSF61,RCM	100 -			
Valve type:	Standard	90 -			
Maximum viscosity at 100 %:	300 mPas	00 -			
Maximum viscosity in slow mode 50 %:	1300 mPas	80 -			
Maximum viscosity in slow mode 25 %:					
Accuracy of repeatability:	1 %	70 -			
Materials:					
	PVDF (Polyvinylidene	60 -			
Dosing head:	fluoride)				
Valve ball:	Ceramic	50 -			
Gasket:	EPDM	40 -			
Installation:		40 7			
Range of ambient temperature:	32 113 °F	30 -			
Maximum operating pressure:	145 psi				
Installation set:	YES	20 -			
Installation to no.	3/8"x1/2" up to 60				
Installation type:	l/h,10bar	10 -			
Pump inlet:	Hose 3/8x1/2" S	-			
Pump outlet:	Hose 3/8x1/2" S	0	0.5 1.0	1.5 2.0	2.5 Q [US gal/hour
Max. Suction lift during operation:	19.69 ft				
Max. Suction lift during priming:	9.843 ft				11.02"
Liquid:				9.8 G 5/8"	-
Pumped liquid:	Water	0.697 4.33			
Liquid temperature range:	14 113 °F		1 []		
Liquid temperature during operation:	68 °F		J   \ \ ⊜   \ \		
Density:	62.29 lb/ft <sup>3</sup>				
Electrical data:					2°6
Maximum power input - P1:	24 W		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
Main frequency:	60 Hz		<b>4</b>		
Rated voltage:	1 x 100-240 V	4 xØ 0.24 4.13"		0.94*	6.34" 0.67"
Enclosure class (IEC 34-5):	IP65 / NEMA 4X	4.72*			
Length of cable:	4.922 ft	• 6.61	•		
Type of cable plug:	USA, Canada				
Inrush current:	25A at 230V for 2ms				
Controls:					
Control variant:	FCM				
Control panel:	FRONT-MOUNTED				
Level control:	YES				
Analog input:	0/4-20 mA				
Pulse control:	YES				
Ext. Stop input:	YES				
Analog output:	0/4-20 mA				
	0/4-20 mA 2				
Output relays:					
Bus communication:	YES				
Others:	6 60 lb				
Net weight:	6.62 lb				
Gross weight:	8.82 lb				

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Value

Date:

11/26/2018

Description COLOR: Custom tariff no.:

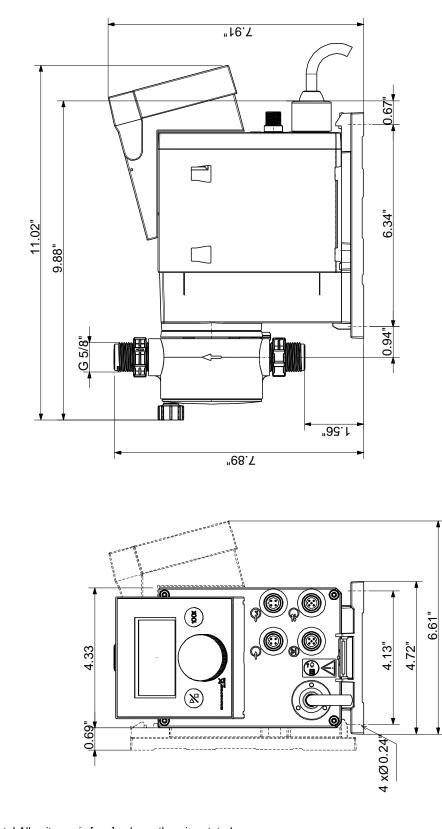
RED 8413.50.0050



Date:

11/26/2018

## 97722548 DDA 12-10 60 Hz



Note! All units are in [mm] unless otherwise stated. Disclaimer: This simplified dimensional drawing does not show all details.