Protection Phone: Date: 12/17/2018 Position Count Description 1 DDE 15-4 1 DDE 15-4 Product photo could vary from the actual product Product No: Product No: 97721181 DDE 15-4 P-PV/T/C-X-31U7U7BG The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital DDE with a variable accuracy, priming and suction, even for degassing liquids. The duration of each discharge fit variable accessories. The dosing how can be adjusted by means of an adjustment knob on logarithmical scale from 0.1-100%. The dosing head is composed of: 1. Long lifetime and universal chemical resistant Full-PTFE diaphragm. Duble ball valves for highest dosing accuracy. 1. Double ball valves for highest dosing accuracy. Deparation modes Peration function included). Cher features: 1. Double ball valves to protect the pump against unauthorised access. Disparito/muticouptub: 1. Status LEDs to prulse, external stop. 1. Input for pulse, external stop. 1. Input for pulse, external stop.			Company name: Created by:							
Date: 12/7/2018 Position Count Description 1 DDE 15-4 Image: DDE 15-4 1 DDE 15-4 Image: DDE 15-4 1 Image: DDE 15-4 Product photo could vary from the actual product Product No:: 97721181 DDE 15-4 P-PV/T/C-X:31U7U7BG The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with accuracy, priming and suction, even ond red agassing liquids. The duration of each discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in optimum smooth and continuous discharge strip varies according to the capacity set, resulting in op	G	RU	UNDFOS Phone:							
1 DDE 15-4 Product photo could vary from the actual product Product No:: 97721181 DDE 15-4 P-PV/T/C-X:31U/TU7BG The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (steeper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital DDIS genese portates at full stroke length to ensure optim accuracy, priming and suction, even for degassing liquids. The duration of each discharge at the varies according to the capacity set, resulting in optimum smooth and continuous discharge for motor accessories. The dosing flow can be adjusted by means of an adjustment knob on logarithmical accessories. The dosing flow can be adjusted by means of an adjustment knob on logarithmical accessories. The dosing flow can be adjusted by means of an adjustment knob on logarithmical accessories. The dosing flow can be adjusted by means of an adjustment knob on logarithmical accessories. The dosing flow can be adjusted by means of an adjustment knob on logarithmical scale from 0.1-100%. The dosing head is composed of: Long lifetime and universal chemical resistant Full-PTFE diaphragm. Double bail valves for highest dosing accuracy. Deaeration nudes: Yous control (divisor function included). Operation modes: 100 % key (max. capacity), e.g. for deaearation. 100 % key (max. capacity), e.g. for deaearation. 20 0 % key (max. capacity), e.g. for deaearation.				_	12/7/2018					
Product photo could vary from the actual product Product No: 97721181 DDE 15-4 P-PV/TrC-X-31U7U7BG The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (stepper motor) and intelligent control electronics with minimum energy consumption. The SMART Digital DOSing series operates at full stroke length to ensure optim accuracy, priming and suction, even for degassing liquids. The duration of each discharge stra varies according to the capacity set, resulting in optimum smooth and continuous discharge fit The click-stop mounting plate allows installation in three different positions without using any additional accessories. The dosing flow can be adjusted by means of an adjustment knob on logarithmical scale from 0.1100%. The dosing head is composed of: 1. Ong lifetime and universal chemical resistant Full-PTFE diaphragm. 2. Double ball valves for highest dosing accuracy. 10 audition addex for no 0.1 to 100%. Method to protee function included). 100 % key (max. capacity), e.g. for deaearation. 2. Operation mode switch key between manual and pulse. 3. Status LEDs for pulse and manual. 100 % key (max. capacity), e.g. for deaearation. 2. Operation mode switch key between manual and pulse. 3. Status LEDs for pulse and manual. 100 % key (max. capacity), e.g. for deaearation. 2. Discretion pulse dost op pulse and manual. 100 % key (max. capacity), e.g. for deaearation. 100 % key (max. capacity), e.g. for deaearation. 2. Discretion pulse for pulse and manual. 100 % key (max. capacity), e.g. for deaearation. 100 %	Position	Count	Description							
Turn-down ratio: 1:1000 Approvals on nameplate: CE,CSA-US,NSF61,RCM Valve type: Standard		Count	Description DDE 15-4 Image: Construct of the second state of the se	Product photo could var BG mpact positive displacer otor) and intelligent cont al Dosing series operate ven for degassing liquid set, resulting in optimum ows installation in three ng flow can be adjusted %. f: al chemical resistant Ful hest dosing accuracy. /, e.g. for deaearation. ey between manual and d manual. t the pump against unau top. al. DDE 15-4 P-PV/T/C-X- 3.963 US gal/hour 15.0 ml/h 1:1000 CE,CSA-US,NSF61,RC	y from the actual product nent, diaphragm dosing pump with rol electronics with minimum energy is at full stroke length to ensure optimum ls. The duration of each discharge stroke n smooth and continuous discharge flow. different positions without using any by means of an adjustment knob on a II-PTFE diaphragm. pulse. uthorised access. -31U7U7BG					
Maximum viscosity at 100 %: 50 mPas Maximum viscosity in slow mode 50 %: N/A mPas Maximum viscosity in slow mode 25 %: N/A mPas			Maximum viscosity at 100 %: Maximum viscosity in slow mode	50 mPas 50 %: N/A mPas						
Accuracy of repeatability: 5 % Materials: Dosing head: PVDF (Polyvinylidene fluoride)		Accuracy of repeatability: 5 % Materials:								



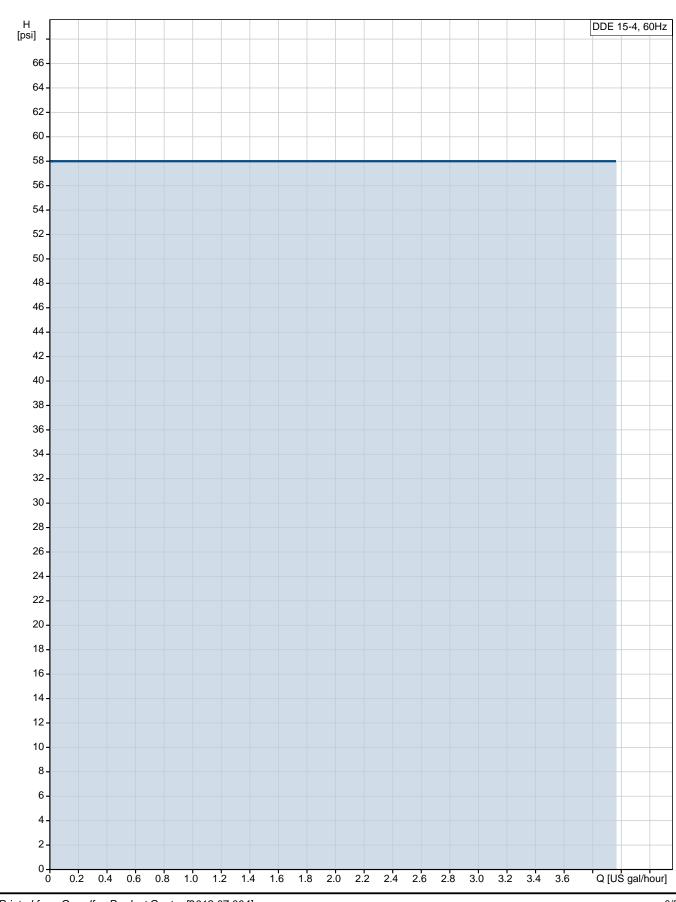
			Date:	12/7/2018
Position	Count	Description		
		Valve ball:	Ceramic	
		Gasket:	PTFE	
		Installation		
		Installation: Range of ambient temperature:	32 113 °F	
		Maximum operating pressure:	58 psi	
		Installation set:	NO	
		Installation type: Pump inlet:	No installation set 0.17x 1/4, 1/4x3/8, 3/8x1/2"	
		Pump outlet:	0.17x 1/4, 1/4x3/8, 3/8x1/2"	
		Max. Suction lift during operation	n: 19.69 ft	
		Max. Suction lift during priming:	9.843 ft	
		Liquid:		
		Pumped liquid:	Water	
		Liquid temperature range:	14 113 °F	
		Liquid temperature during opera Density:	62.29 lb/ft ³	
			02.20 ID/IL	
		Electrical data:		
		Maximum power input - P1:	19 W	
		Main frequency: Rated voltage:	60 Hz 1 x 100-240 V	
		Enclosure class (IEC 34-5):	IP65 / NEMA 4X	
		Length of cable:	4.922 ft	
		Type of cable plug: Inrush current:	USA, Canada 25A at 230V for 2ms	
			25A di 250V 101 2115	
		Controls:		
		Control variant: Level control:	P YES	
		Pulse control:	YES	
		Ext. Stop input:	YES	
		Output relays:	YES	
		Others:		
		Net weight:	4.41 lb	
		Gross weight:	6.62 lb	
		Custom tariff no.:	8413.50.0050	



Date:

12/7/2018

97721181 DDE 15-4 60 Hz





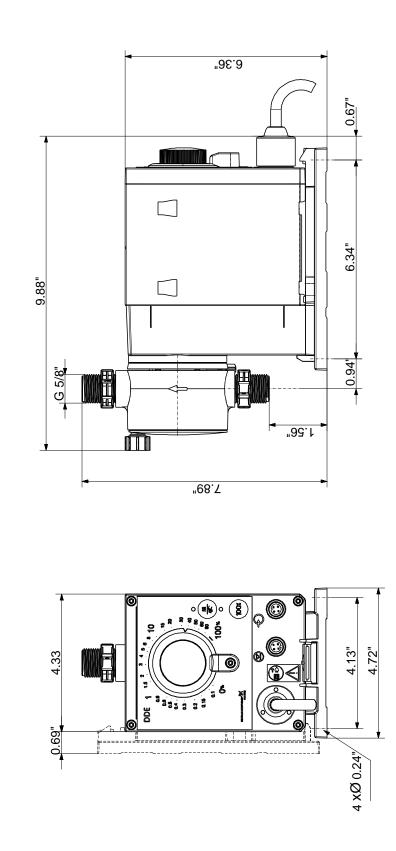
		Date:			2/7/2	.010				
Description	Value	H [psi]							DDE 15-4	, 60H
General information:		65 -								
Product name:	DDE 15-4									
Product No.:	97721181									
EAN:	5710622713213	60 -								
Technical:		-								
Type key:	DDE 15-4 P-PV/T/C-X-31U7U7BG	55 -								
Max. Flow:	3.963 US gal/hour	50 -								
Min flow:	15.0 ml/h	-								
Turn-down ratio:	1:1000	45 -								
Approvals on nameplate:	CE,CSA-US,NSF61,RCM	- +3								
Valve type:	Standard	-								
Maximum viscosity at 100 %:	50 mPas	40 -								
Maximum viscosity in slow mode 50 %:	N/A mPas	-								
Maximum viscosity in slow mode 25 %:		35 -								-
Accuracy of repeatability:	5 %									
Materials:	0,10	30 -								
Dosing head:	PVDF (Polyvinylidene fluoride)									
Valve ball:	Ceramic	25 -								
Gasket:	PTFE	-								
Installation:		20 -								-
Range of ambient temperature:	32 113 °F	-								
Maximum operating pressure:	58 psi	15 -								
Installation set:	NO	-								
Installation type:	No installation set	10 -								
Pump inlet:	0.17x 1/4, 1/4x3/8, 3/8x1/2"	-								
Pump outlet:	0.17x 1/4, 1/4x3/8, 3/8x1/2"	_ 5-								
Max. Suction lift during operation:	19.69 ft		0.5	1.0	1.5	2.0	2.5	3.0	0,1110	
Max. Suction lift during priming:	9.843 ft	0	0.5	1.0	1.5	2.0	2.5	3.0	Q [US ga	il/not
Liquid:										
Pumped liquid:	Water	0.69	4.33			G 5/8	9.88"			
Liquid temperature range:	14 113 °F	-		•	Ŧ		-			
Liquid temperature during operation:	68 °F			-				_		
Density:	62.29 lb/ft ³	-		1						
Electrical data:	02.20 12/11	-		2	7.89"	1				
Maximum power input - P1:	19 W	Ē			2		Щ		P	6.36
Main frequency:	60 Hz	-	()) 0 0	5					$ \square_{rec}$	
Rated voltage:	1 x 100-240 V	- 4				1.56"	d bas		壁石	υ [
Enclosure class (IEC 34-5):	IP65 / NEMA 4X	-	4.13"	1	-	0.9	r (5.34"	0.67	
Length of cable:	4.922 ft	4 <u>xØ 0.24</u>	4.72"	-						
Type of cable plug:	USA, Canada									
Inrush current:	25A at 230V for 2ms									
Controls:	2017 at 2000 101 21115									
Controls: Control variant:	Р									
Level control:	YES									
Pulse control:	YES									
Ext. Stop input:	YES									
Output relays:	YES									
Others:										
Net weight:	4.41 lb									
Gross weight:	6.62 lb									
Custom tariff no.:	8413.50.0050									



Date:

12/7/2018

97721181 DDE 15-4 60 Hz



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