

Position	Count	Description																						
	1	<p><b>DDE 15-4</b></p>  <p style="text-align: center;">Product photo could vary from the actual product</p> <p>Product No.: <a href="#">97721177</a>  DDE 15-4 P-PV/V/C-X-31U7U7BG</p> <p>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 optimum accuracy, priming and suction, even for degassing liquids. The duration of each discharge stroke varies according to the capacity set, resulting in optimum smooth and continuous discharge flow.</p> <p>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 a logarithmical scale from 0.1-100%.</p> <p>The dosing head is composed of:</p> <ul style="list-style-type: none"> <li>- Long lifetime and universal chemical resistant Full-PTFE diaphragm.</li> <li>- Double ball valves for highest dosing accuracy.</li> <li>- Deaeration valve for easy start-up.</li> </ul> <p>Operation modes:</p> <ul style="list-style-type: none"> <li>- Manual dosing from 0.1 to 100%.</li> <li>- Pulse control (divisor function included).</li> </ul> <p>Other features:</p> <ul style="list-style-type: none"> <li>- 100 % key (max. capacity), e.g. for deaeration.</li> <li>- Operation mode switch key between manual and pulse.</li> <li>- Status LEDs for pulse and manual.</li> <li>- Mechanical lock to protect the pump against unauthorised access.</li> </ul> <p>Signal- Inputs/outputs:</p> <ul style="list-style-type: none"> <li>- Input for pulse, external stop.</li> <li>- Input for empty tank signal.</li> </ul> <p><b>Technical:</b></p> <table style="width: 100%; border: none;"> <tr> <td>Type key:</td> <td>DDE 15-4 P-PV/V/C-X-31U7U7BG</td> </tr> <tr> <td>Max. Flow:</td> <td>3.963 US gal/hour</td> </tr> <tr> <td>Min flow:</td> <td>15.0 ml/h</td> </tr> <tr> <td>Turn-down ratio:</td> <td>1:1000</td> </tr> <tr> <td>Approvals on nameplate:</td> <td>CE, CSA-US, NSF61, RCM</td> </tr> <tr> <td>Valve type:</td> <td>Standard</td> </tr> <tr> <td>Maximum viscosity at 100 %:</td> <td>50 mPas</td> </tr> <tr> <td>Maximum viscosity in slow mode 50 %:</td> <td>N/A mPas</td> </tr> <tr> <td>Maximum viscosity in slow mode 25 %:</td> <td>N/A mPas</td> </tr> <tr> <td>Accuracy of repeatability:</td> <td>5 %</td> </tr> </table> <p><b>Materials:</b></p> <table style="width: 100%; border: none;"> <tr> <td>Dosing head:</td> <td>PVDF (Polyvinylidene fluoride)</td> </tr> </table>	Type key:	DDE 15-4 P-PV/V/C-X-31U7U7BG	Max. Flow:	3.963 US gal/hour	Min flow:	15.0 ml/h	Turn-down ratio:	1:1000	Approvals on nameplate:	CE, CSA-US, NSF61, RCM	Valve type:	Standard	Maximum viscosity at 100 %:	50 mPas	Maximum viscosity in slow mode 50 %:	N/A mPas	Maximum viscosity in slow mode 25 %:	N/A mPas	Accuracy of repeatability:	5 %	Dosing head:	PVDF (Polyvinylidene fluoride)
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Company name:

Created by:

Phone:

Date:

12/7/2018

Position	Count	Description
		Valve ball: Ceramic Gasket: FKM  <b>Installation:</b> Range of ambient temperature: 32 .. 113 °F Maximum operating pressure: 58 psi Installation set: NO Installation type: No installation set Pump inlet: 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: 19.69 ft Max. Suction lift during priming: 9.843 ft  <b>Liquid:</b> Pumped liquid: Water Liquid temperature range: 14 .. 113 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft <sup>3</sup>  <b>Electrical data:</b> Maximum power input - P1: 19 W Main frequency: 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 2ms  <b>Controls:</b> Control variant: P Level control: YES Pulse control: YES Ext. Stop input: YES Output relays: YES  <b>Others:</b> Net weight: 4.41 lb Gross weight: 6.62 lb Custom tariff no.: 8413.50.0050



Company name:

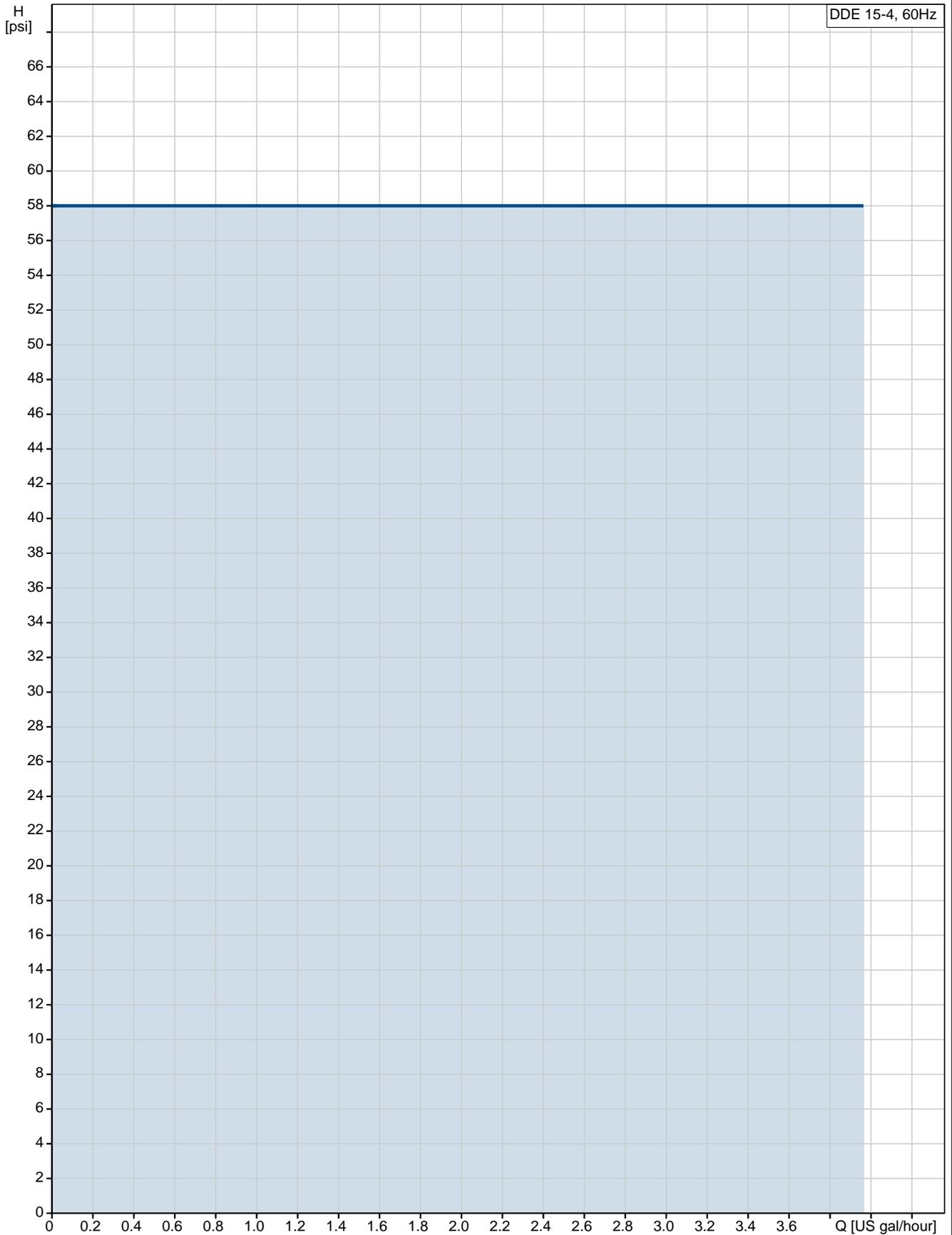
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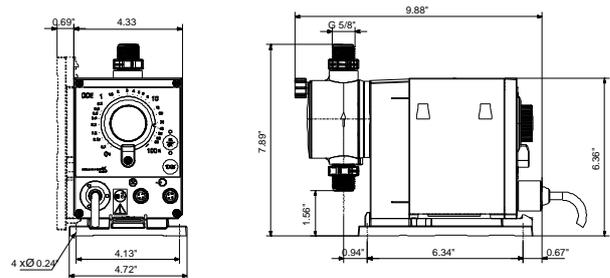
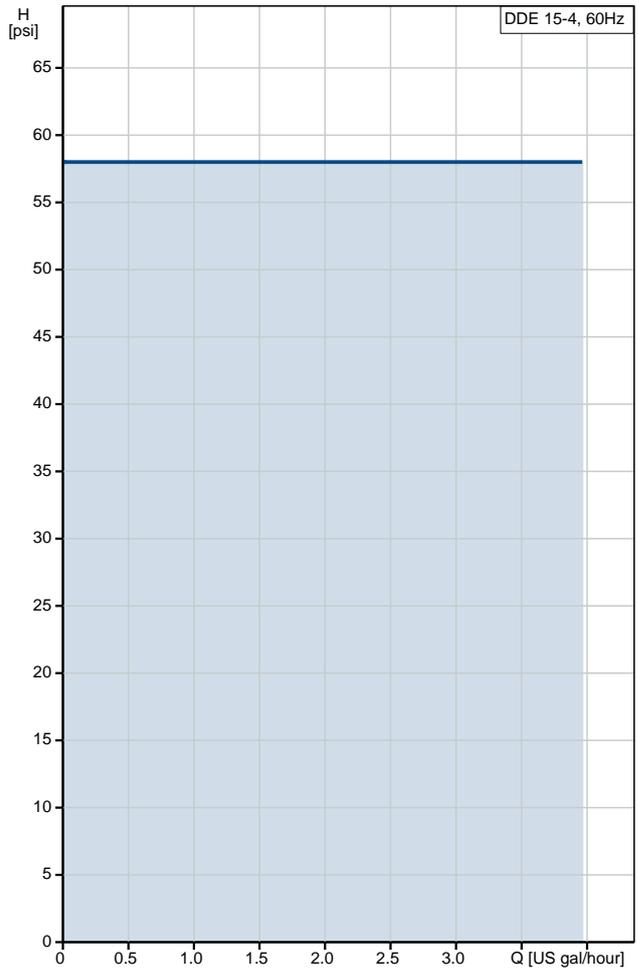
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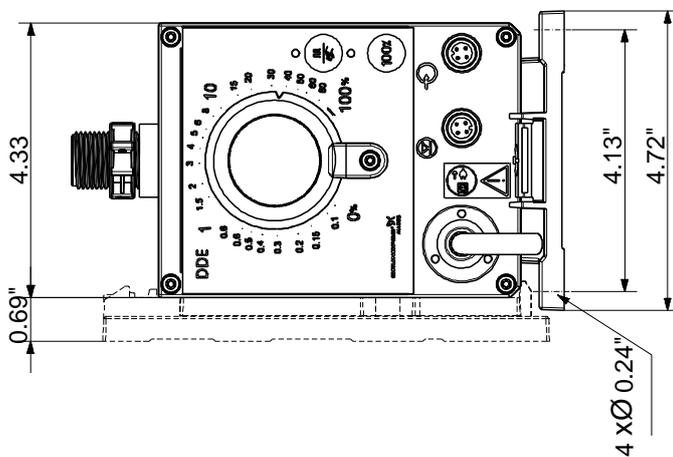
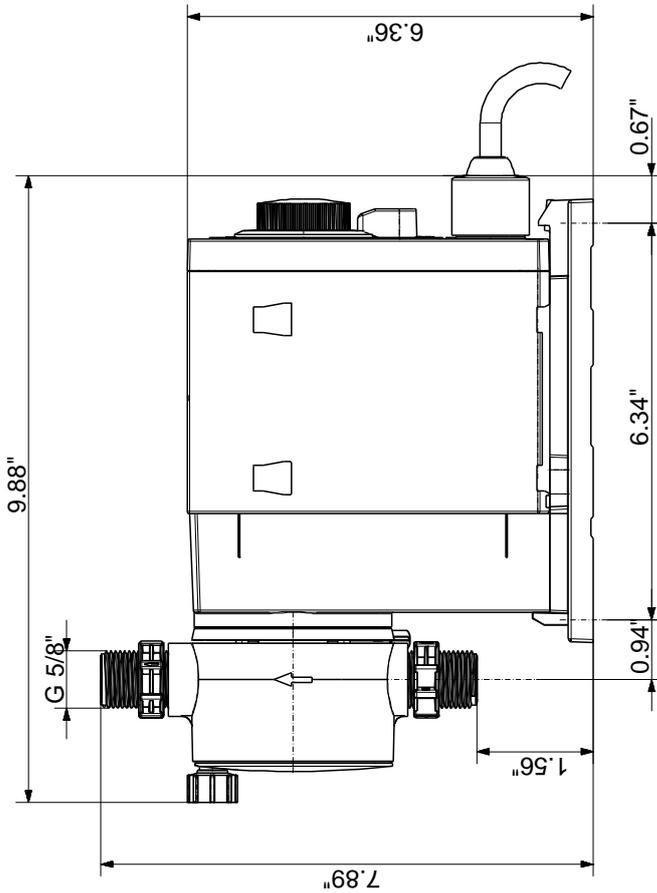
### 97721177 DDE 15-4 60 Hz



Description	Value
<b>General information:</b>	
Product name:	DDE 15-4
Product No.:	97721177
EAN:	5710622713176
<b>Technical:</b>	
Type key:	DDE 15-4 P-PV/V/C-X-31U7U7BG
Max. Flow:	3.963 US gal/hour
Min flow:	15.0 ml/h
Turn-down ratio:	1:1000
Approvals on nameplate:	CE,CSA-US,NSF61,RCM
Valve type:	Standard
Maximum viscosity at 100 %:	50 mPas
Maximum viscosity in slow mode 50 %:	N/A mPas
Maximum viscosity in slow mode 25 %:	N/A mPas
Accuracy of repeatability:	5 %
<b>Materials:</b>	
Dosing head:	PVDF (Polyvinylidene fluoride)
Valve ball:	Ceramic
Gasket:	FKM
<b>Installation:</b>	
Range of ambient temperature:	32 .. 113 °F
Maximum operating pressure:	58 psi
Installation set:	NO
Installation type:	No installation set
Pump inlet:	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:	19.69 ft
Max. Suction lift during priming:	9.843 ft
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	14 .. 113 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft <sup>3</sup>
<b>Electrical data:</b>	
Maximum power input - P1:	19 W
Main frequency:	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 2ms
<b>Controls:</b>	
Control variant:	P
Level control:	YES
Pulse control:	YES
Ext. Stop input:	YES
Output relays:	YES
<b>Others:</b>	
Net weight:	4.41 lb
Gross weight:	6.62 lb
Custom tariff no.:	8413.50.0050



## 97721177 DDE 15-4 60 Hz



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