


| Position                             | Count                         | Description  |           |                               |            |                   |           |          |                  |        |                         |                     |             |          |                             |         |                                      |          |                                      |          |                            |     |              |                          |
|--------------------------------------|-------------------------------|--|-----------|-------------------------------|------------|-------------------|-----------|----------|------------------|--------|-------------------------|---------------------|-------------|----------|-----------------------------|---------|--------------------------------------|----------|--------------------------------------|----------|----------------------------|-----|--------------|--------------------------|
|                                      | 1                             | <div><div></div><div>Product photo could vary from the actual product</div></div> <p>Product No.: <a href="#">97721097</a><br/>DDE 6-10 P-PVC/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><tr><td>Type key:</td><td>DDE 6-10 P-PVC/V/C-X-31U7U7BG</td></tr><tr><td>Max. Flow:</td><td>1.585 US gal/hour</td></tr><tr><td>Min flow:</td><td>6.0 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><tr><td>Dosing head:</td><td>PVC (Polyvinyl chloride)</td></tr></table> | Type key: | DDE 6-10 P-PVC/V/C-X-31U7U7BG | Max. Flow: | 1.585 US gal/hour | Min flow: | 6.0 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: | PVC (Polyvinyl chloride) |
| Type key:                            | DDE 6-10 P-PVC/V/C-X-31U7U7BG |  |           |                               |            |                   |           |          |                  |        |                         |                     |             |          |                             |         |                                      |          |                                      |          |                            |     |              |                          |
| Max. Flow:                           | 1.585 US gal/hour             |  |           |                               |            |                   |           |          |                  |        |                         |                     |             |          |                             |         |                                      |          |                                      |          |                            |     |              |                          |
| Min flow:                            | 6.0 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:                         | PVC (Polyvinyl chloride)      |  |           |                               |            |                   |           |          |                  |        |                         |                     |             |          |                             |         |                                      |          |                                      |          |                            |     |              |                          |



Company name:

Created by:

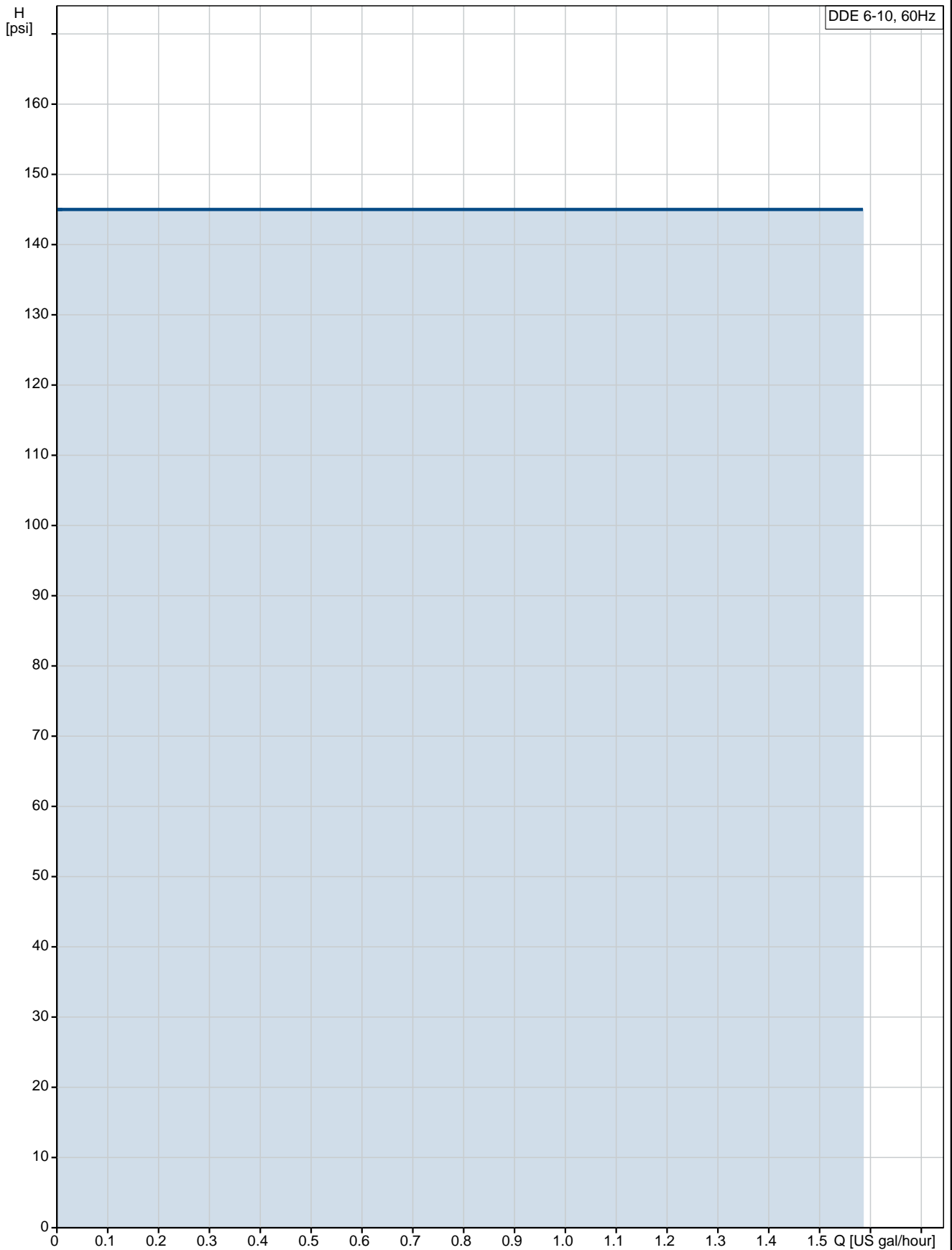
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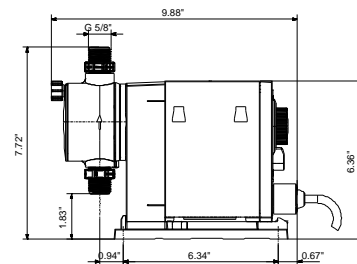
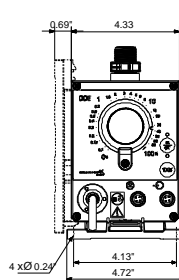
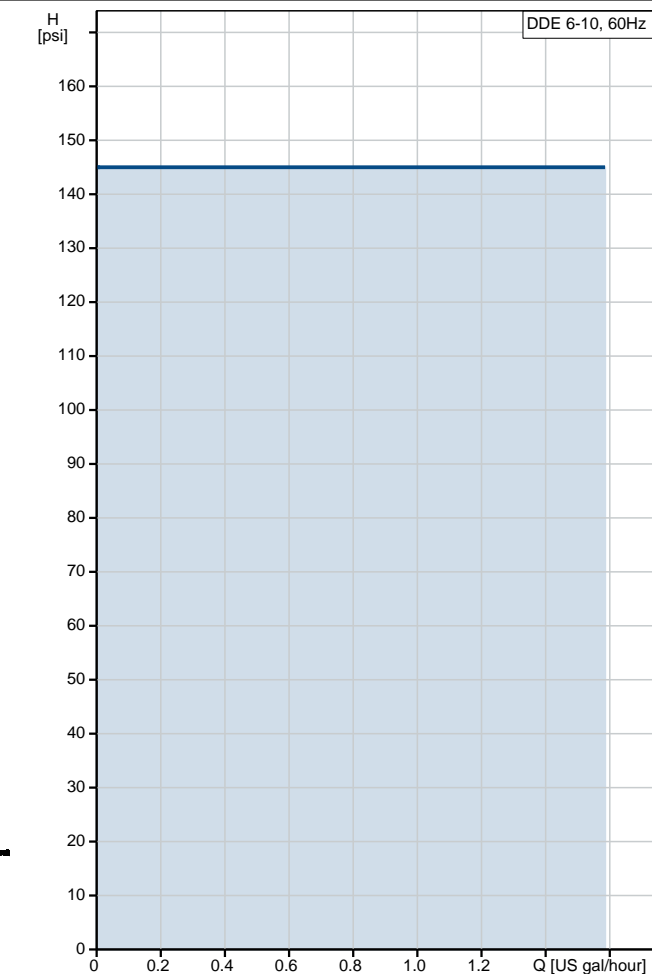
12/5/2018

| Position | Count | Description   |
|----------|-------|---|
|          |       | Valve ball: Ceramic<br>Gasket: FKM<br><br><b>Installation:</b><br>Range of ambient temperature: 32 .. 113 °F<br>Maximum operating pressure: 145 psi<br>Installation set: NO<br>Installation type: No installation set<br>Pump inlet: 0.17x 1/4, 1/4x3/8, 3/8x1/2"<br>Pump outlet: 0.17x 1/4, 1/4x3/8, 3/8x1/2"<br>Max. Suction lift during operation: 19.69 ft<br>Max. Suction lift during priming: 6.562 ft<br><br><b>Liquid:</b><br>Pumped liquid: Water<br>Liquid temperature range: 14 .. 113 °F<br>Liquid temperature during operation: 68 °F<br>Density: 62.29 lb/ft³<br><br><b>Electrical data:</b><br>Maximum power input - P1: 19 W<br>Main frequency: 60 Hz<br>Rated voltage: 1 x 100-240 V<br>Enclosure class (IEC 34-5): IP65 / NEMA 4X<br>Length of cable: 4.922 ft<br>Type of cable plug: USA, Canada<br>Inrush current: 25A at 230V for 2ms<br><br><b>Controls:</b><br>Control variant: P<br>Level control: YES<br>Pulse control: YES<br>Ext. Stop input: YES<br>Output relays: YES<br><br><b>Others:</b><br>Net weight: 4.41 lb<br>Gross weight: 6.62 lb<br>Custom tariff no.: 8413.50.0050 |

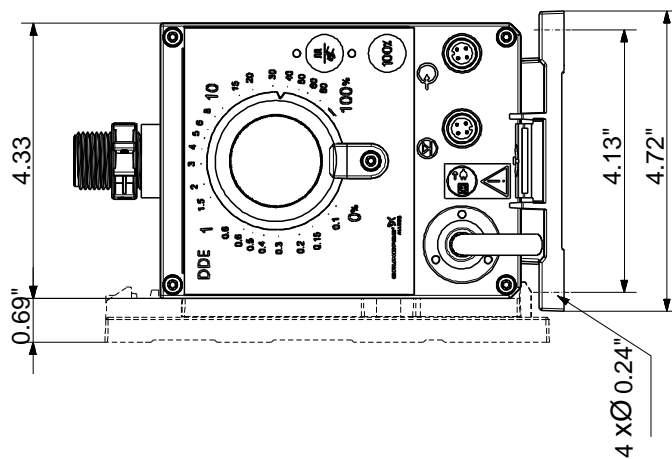
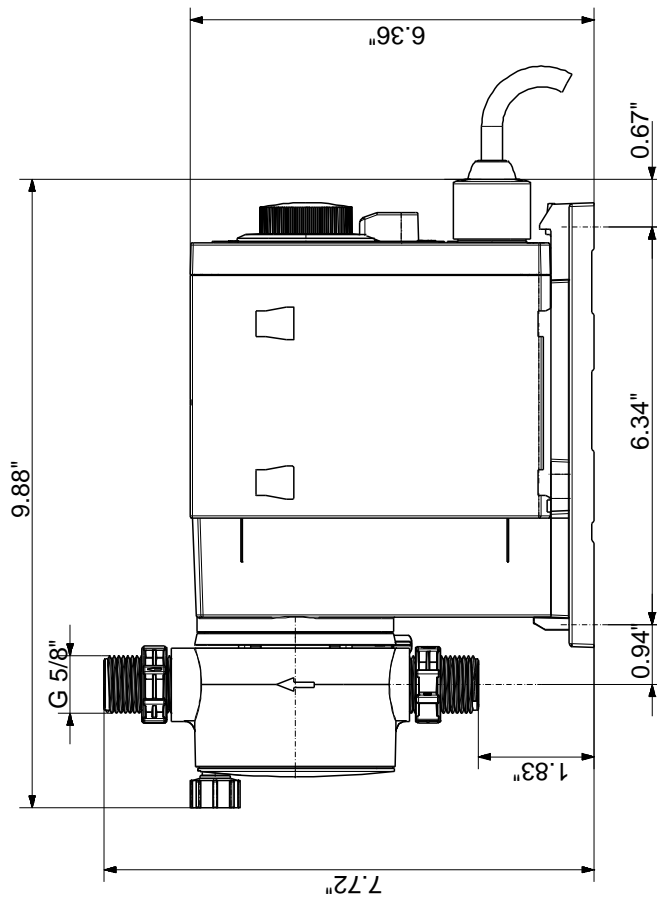
## 97721097 DDE 6-10 60 Hz



| Description                          | Value                            |
|--------------------------------------|----------------------------------|
| <b>General information:</b>          |                                  |
| Product name:                        | DDE 6-10                         |
| Product No.:                         | 97721097                         |
| EAN:                                 | 5710622712179                    |
| <b>Technical:</b>                    |                                  |
| Type key:                            | DDE 6-10<br>P-PVC/V/C-X-31U7U7BG |
| Max. Flow:                           | 1.585 US gal/hour                |
| Min flow:                            | 6.0 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:                         | PVC (Polyvinyl chloride)         |
| Valve ball:                          | Ceramic                          |
| Gasket:                              | FKM                              |
| <b>Installation:</b>                 |                                  |
| Range of ambient temperature:        | 32 .. 113 °F                     |
| Maximum operating pressure:          | 145 psi                          |
| Installation set:                    | NO                               |
| Installation type:                   | No installation set              |
| Pump inlet:                          | 0.17x 1/4, 1/4x3/8,<br>3/8x1/2"  |
| Pump outlet:                         | 0.17x 1/4, 1/4x3/8,<br>3/8x1/2"  |
| Max. Suction lift during operation:  | 19.69 ft                         |
| Max. Suction lift during priming:    | 6.562 ft                         |
| <b>Liquid:</b>                       |                                  |
| Pumped liquid:                       | Water                            |
| Liquid temperature range:            | 14 .. 113 °F                     |
| Liquid temperature during operation: | 68 °F                            |
| Density:                             | 62.29 lb/ft³                     |
| <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                     |



**97721097 DDE 6-10 60 Hz**



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