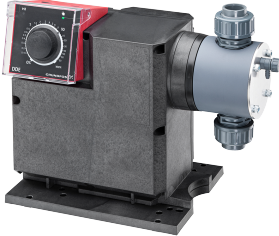


Count	Description																																				
1	<p data-bbox="225 340 352 362">DDE 120-7</p> <div data-bbox="276 443 555 678">  </div> <p data-bbox="619 723 1070 745" style="text-align: center;">Product photo could vary from the actual product</p> <p data-bbox="225 757 635 813">Product No.: 99159427 DDE 120-7 B-PVC/N/C-F-31A7A7BG</p> <p data-bbox="225 846 1449 969">The SMART Digital DDE is a compact positive displacement, diaphragm dosing pump with variable-speed drive (PMS 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 data-bbox="225 987 1449 1066">The mounting plate allows quick installation and service. The control cube can be turned easily into front, left or right position. The dosing flow can be adjusted by means of an adjustment knob on a logarithmical scale from 0.1-100%. The control elements are protected by a transparent cover.</p> <p data-bbox="225 1104 592 1126">The dosing head is composed of:</p> <ul data-bbox="264 1133 1145 1216" style="list-style-type: none"> - Long lifetime and universal, chemically resistant full double PTFE diaphragm. - Ball valves for highest dosing accuracy. - Deaeration valve for easy startup. <p data-bbox="225 1249 424 1272">Operating modes:</p> <ul data-bbox="264 1279 667 1301" style="list-style-type: none"> - Manual dosing from 0.1 to 100%. <p data-bbox="225 1368 336 1391">Controls:</p> <table data-bbox="225 1397 627 1458"> <tr> <td>Control variant:</td> <td>B</td> </tr> <tr> <td>Ext. Stop input:</td> <td>NO</td> </tr> </table> <p data-bbox="225 1491 312 1514">Liquid:</p> <table data-bbox="225 1520 719 1637"> <tr> <td>Pumped liquid:</td> <td>Water</td> </tr> <tr> <td>Liquid temperature range:</td> <td>32 .. 104 °F</td> </tr> <tr> <td>Liquid temperature during operation:</td> <td>68 °F</td> </tr> <tr> <td>Density:</td> <td>62.29 lb/ft³</td> </tr> </table> <p data-bbox="225 1671 352 1693">Technical:</p> <table data-bbox="225 1700 999 1995"> <tr> <td>Type key:</td> <td>DDE 120-7 B-PVC/N/C-F-31A7A7BG</td> </tr> <tr> <td>Max. Flow:</td> <td>31.7 US gal/hour</td> </tr> <tr> <td>Min flow:</td> <td>150 ml/h</td> </tr> <tr> <td>Turn-down ratio:</td> <td>1:800</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>100 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 data-bbox="225 2029 344 2051">Materials:</p> <table data-bbox="225 2058 855 2107"> <tr> <td>Dosing head:</td> <td>PVC (Polyvinyl chloride)</td> </tr> <tr> <td>Valve ball:</td> <td>Ceramic</td> </tr> </table>	Control variant:	B	Ext. Stop input:	NO	Pumped liquid:	Water	Liquid temperature range:	32 .. 104 °F	Liquid temperature during operation:	68 °F	Density:	62.29 lb/ft³	Type key:	DDE 120-7 B-PVC/N/C-F-31A7A7BG	Max. Flow:	31.7 US gal/hour	Min flow:	150 ml/h	Turn-down ratio:	1:800	Approvals on nameplate:	CE,CSA-US,NSF61,RCM	Valve type:	Standard	Maximum viscosity at 100 %:	100 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)	Valve ball:	Ceramic
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Valve ball:	Ceramic																																				



Company name:

Created by:

Phone:

Date:

1/17/2019

Count	Description
	Gasket: FKM
	Installation:
	Range of ambient temperature: 32 .. 113 °F
	Maximum operating pressure: 102 psi
	Installation set: NO
	Installation type: No installation set
	Pump inlet: Conn. Threaded 3/4#NPTM CodeA7
	Pump outlet: Conn. Threaded 3/4#NPTM CodeA7
	Max. Suction lift during operation: 9.843 ft
	Max. Suction lift during priming: 4.922 ft
	Electrical data:
	Maximum power input - P1: 62 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: 70A at 240V (35A/100V) for 2ms
	Others:
	Net weight: 13.2 lb
	Gross weight: 15.4 lb
	COLOR: RED



Company name:

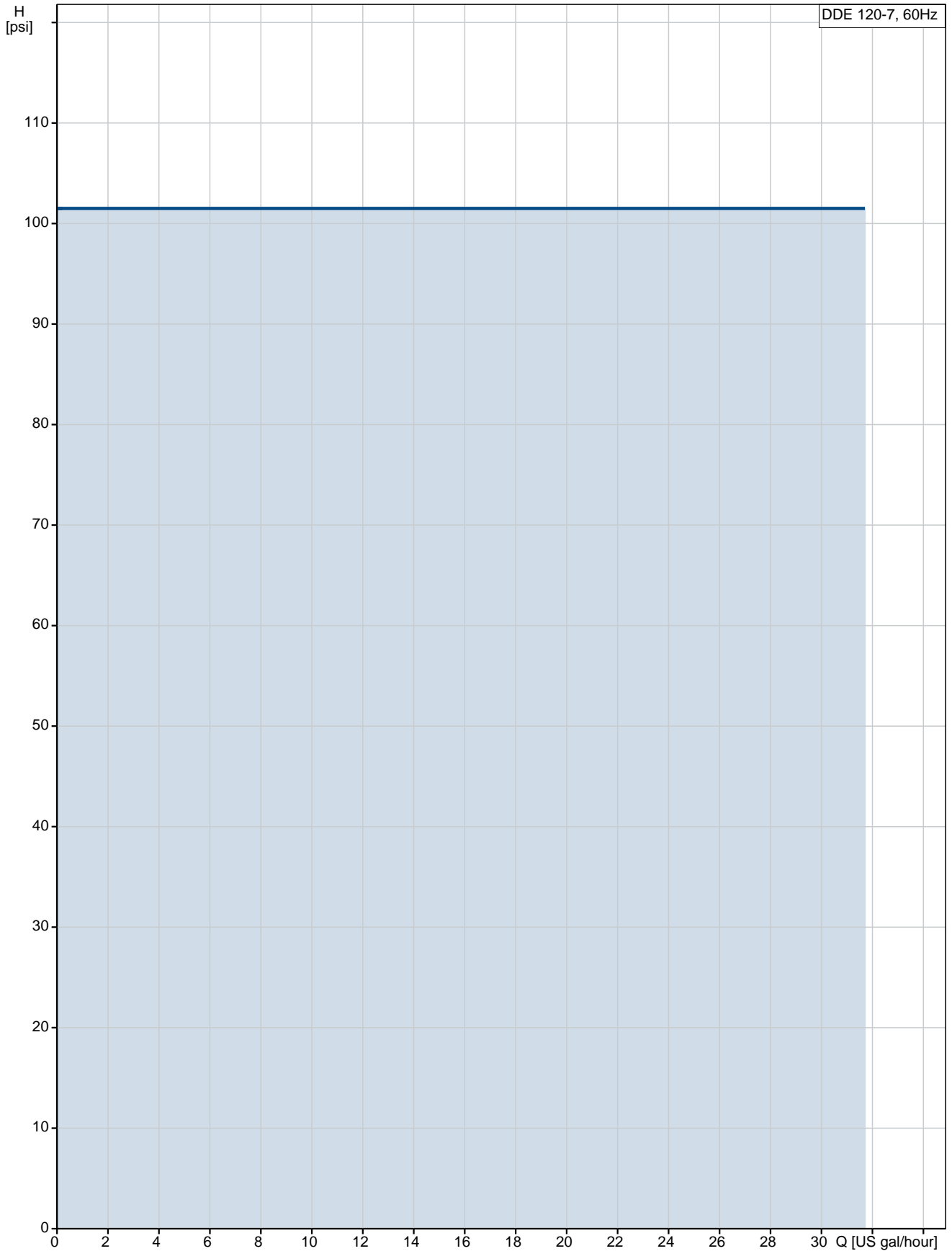
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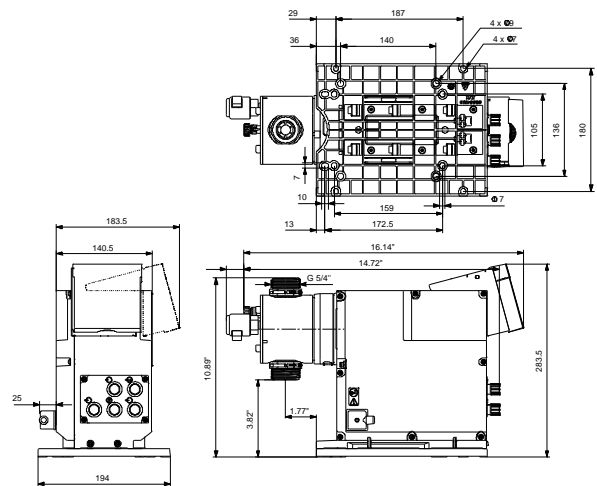
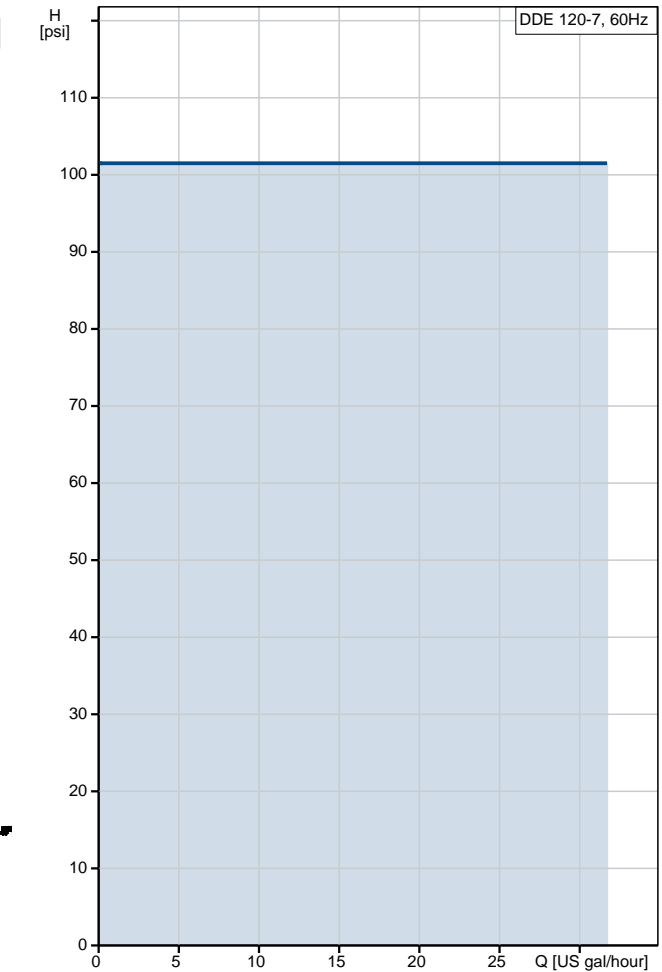
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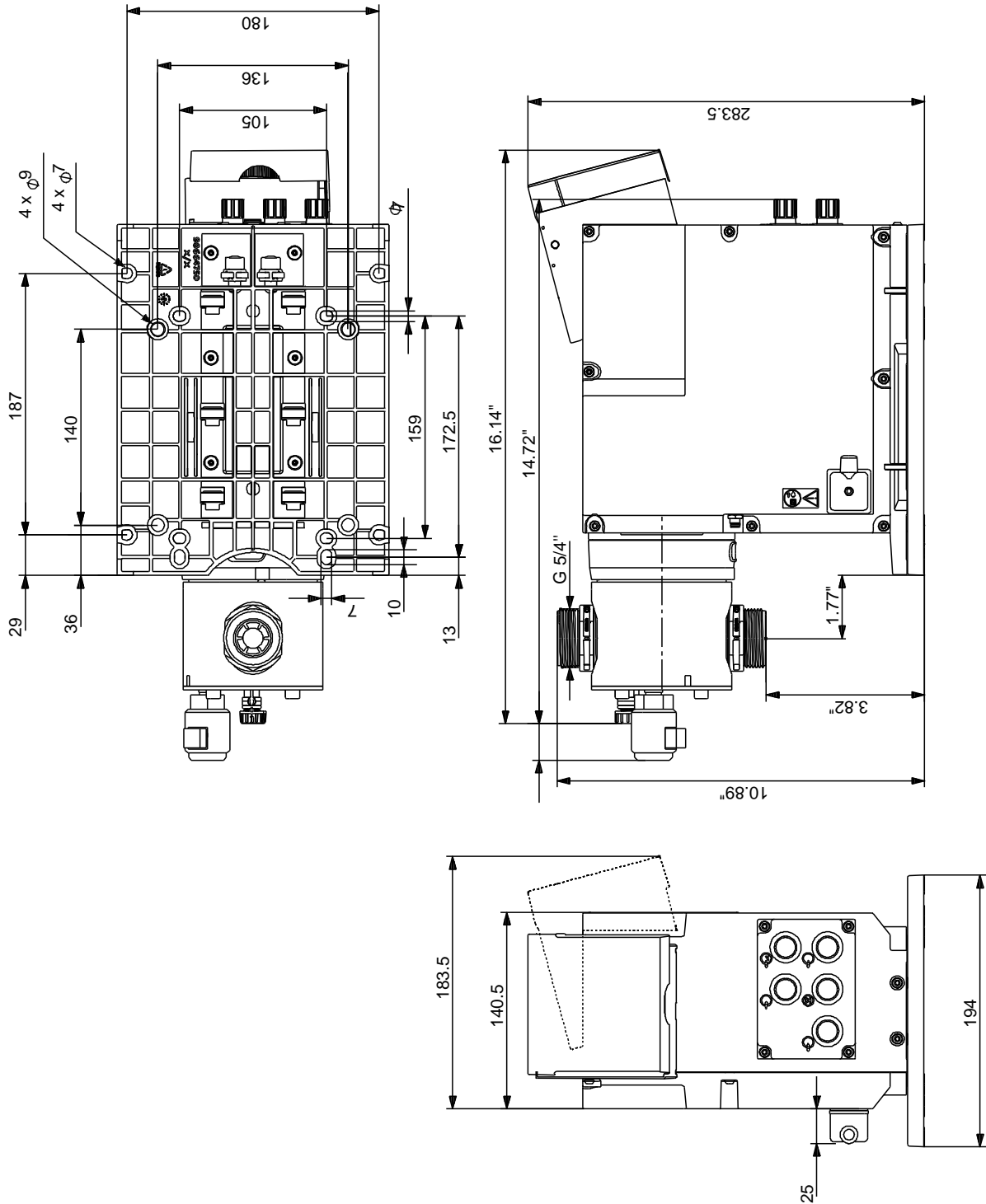
99159427 DDE 120-7 60 Hz



Description	Value
General information:	
Product name:	DDE 120-7
Product No.:	99159427
EAN:	5712607842154
Technical:	
Type key:	DDE 120-7 B-PVC/V/C-F-31A7A7BG
Max. Flow:	31.7 US gal/hour
Min flow:	150 ml/h
Turn-down ratio:	1:800
Approvals on nameplate:	CE,CSA-US,NSF61,RCM
Valve type:	Standard
Maximum viscosity at 100 %:	100 mPas
Maximum viscosity in slow mode 50 %:	N/A mPas
Maximum viscosity in slow mode 25 %:	N/A mPas
Accuracy of repeatability:	5 %
Materials:	
Dosing head:	PVC (Polyvinyl chloride)
Valve ball:	Ceramic
Gasket:	FKM
Installation:	
Range of ambient temperature:	32 .. 113 °F
Maximum operating pressure:	102 psi
Installation set:	NO
Installation type:	No installation set
Pump inlet:	Conn. Threaded 3/4#NPTM CodeA7
Pump outlet:	Conn. Threaded 3/4#NPTM CodeA7
Max. Suction lift during operation:	9.843 ft
Max. Suction lift during priming:	4.922 ft
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	32 .. 104 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft ³
Electrical data:	
Maximum power input - P1:	62 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:	70A at 240V (35A/100V) for 2ms
Controls:	
Control variant:	B
Control panel:	FRONT-MOUNTED
Ext. Stop input:	NO
Others:	
Net weight:	13.2 lb
Gross weight:	15.4 lb
COLOR:	RED



99159427 DDE 120-7 60 Hz



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