


Position	Count	Description
	1	<p data-bbox="415 415 548 443">DDA 7.5-16</p> <div data-bbox="451 541 751 800" style="text-align: center;">  </div> <p data-bbox="803 798 1253 821" style="text-align: center;">Product photo could vary from the actual product</p> <p data-bbox="415 829 812 884">Product No.: 97722361 DDA 7.5-16 AR-PP/V/C-F-31U7U7B</p> <p data-bbox="415 919 1414 1066">The SMART Digital DDA 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 high-viscosity or 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="415 1087 1414 1209">The click-stop mounting plate allows installation in three different positions without using any additional accessories. The control cube can be turned easily into front, left or right position. The click wheel and the multi-coloured backlit graphical, plain-text LC display make commissioning and operation intuitive. The control elements are protected by a transparent cover.</p> <p data-bbox="415 1255 779 1283">The dosing head is composed of:</p> <ul data-bbox="451 1287 1253 1371" style="list-style-type: none"> - Long lifetime and universal, chemically resistant full-PTFE diaphragm. - Double ball valves for highest dosing accuracy. - Deaeration valve for easy start-up. <p data-bbox="415 1402 613 1430">Operation modes:</p> <ul data-bbox="451 1434 1128 1608" style="list-style-type: none"> - Manual dosing in ml/h, l/h or gph. - Pulse control in ml/pulse (incl. memory function). - Analog control 0/4-20 mA (scalable). - Pulse-based batch function in ml, l or gal. - Timer-based batch function (Dosing timer, cycle or week). - Fieldbus control (Genibus prepared for ProfibusDP E-box). <p data-bbox="415 1640 581 1667">Other features:</p> <ul data-bbox="451 1671 1414 1871" style="list-style-type: none"> - Auto deaeration during pump standby to avoid breakdowns due to air-locking. - Two SlowMode steps (anti-cavitation), 50 % (maximum flow: 0.9906 US gal/hour) and 25 % (maximum flow: 0.4966 US gal/hour), e.g. for high-viscosity or degassing liquids. - Service information display to show when service and which wear-part order number is required. - Two-step key lock function to protect the pump against unauthorised access.



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		<ul style="list-style-type: none">- Additional display function to provide further information, e.g. the actual mA input signal.- Counter for total dosed volume (resettable), operating hours, etc.- Save and load customised settings as well as reload of factory settings. <p>Signal inputs/outputs:</p> <ul style="list-style-type: none">- Input for pulse, analog 0/4-20mA, external stop.- Input for low-level and empty-tank signal.- Two potential-free output relays for max. 30 V AC/DC (configurable, e.g. alarm, stroke signal, pump dosing, timer etc.)- Output analog 0/4-20mA.- Fieldbus communication interface (GeniBus, also for additional Profibus DP E-box to retrofit). <p>Technical:</p> <p>Type key: DDA 7.5-16 AR-PP/V/C-F-31U7U7B</p> <p>Max. Flow: 1.981 US gal/hour</p> <p>Max. flow in slow mode 50%: 0.9906 US gal/hour</p> <p>Max. flow in slow mode 25%: 0.4966 US gal/hour</p> <p>Min flow: 2.5 ml/h</p> <p>Turn-down ratio: 1:3000</p> <p>Approvals on nameplate: CE, CSA-US, RCM</p> <p>Valve type: Standard</p> <p>Maximum viscosity at 100 %: 50 mPas</p> <p>Maximum viscosity in slow mode 50 %: 1800 mPas</p> <p>Maximum viscosity in slow mode 25 %: 2500 mPas</p> <p>Accuracy of repeatability: 1 %</p> <p>Materials:</p> <p>Dosing head: PP (Polypropylene)</p> <p>Valve ball: Ceramic</p> <p>Gasket: FKM</p> <p>Installation:</p> <p>Range of ambient temperature: 32 .. 113 °F</p> <p>Maximum operating pressure: 232 psi</p> <p>Installation set: NO</p> <p>Installation type: No installation set</p> <p>Pump inlet: 0.17x 1/4, 1/4x3/8, 3/8x1/2"</p> <p>Pump outlet: 0.17x 1/4, 1/4x3/8, 3/8x1/2"</p> <p>Max. Suction lift during operation: 19.69 ft</p> <p>Max. Suction lift during priming: 6.562 ft</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: 14 .. 113 °F</p> <p>Liquid temperature during operation: 68 °F</p> <p>Density: 62.29 lb/ft³</p> <p>Electrical data:</p>



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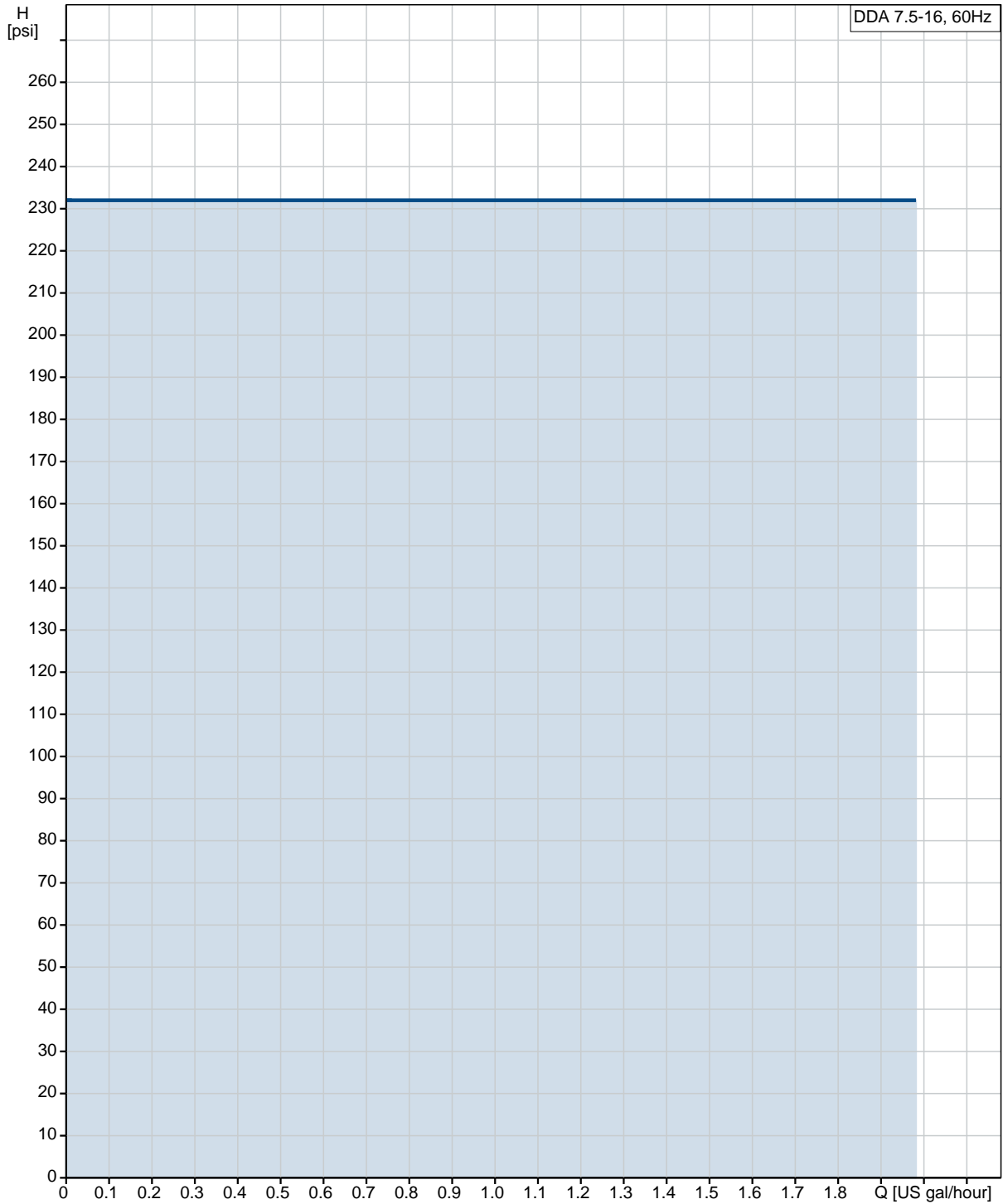
Position	Count	Description
		Maximum power input - P1: 24 W Main frequency: 60 Hz Rated voltage: 1 x 100-240 V Enclosure class (IEC 34-5): IP65 / NEMA 4X Length of cable: 4.922 ft Type of cable plug: USA, Canada Inrush current: 25A at 230V for 2ms Controls: Control variant: AR Level control: YES Analog input: 0/4-20 mA Pulse control: YES Ext. Stop input: YES Analog output: 0/4-20 mA Output relays: 2 Bus communication: YES Others: Net weight: 4.41 lb Gross weight: 6.62 lb COLOR: RED Custom tariff no.: 8413.50.0050



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97722361 DDA 7.5-16 60 Hz

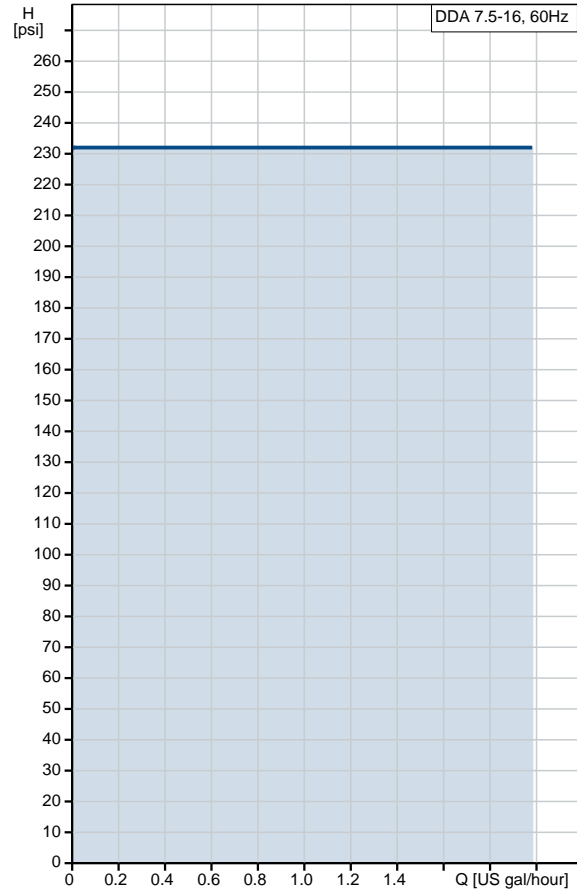




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Description	Value
General information:	
Product name:	DDA 7.5-16
Product No.:	97722361
EAN:	5710622725032
Technical:	
Type key:	DDA 7.5-16 AR-PP/V/C-F-31U7
Max. Flow:	1.081 US gal/hour
Max. flow in slow mode 50%:	0.9906 US gal/hour
Max. flow in slow mode 25%:	0.4966 US gal/hour
Min flow:	2.5 ml/h
Turn-down ratio:	1:3000
Approvals on nameplate:	CE,CSA-US,RCM
Valve type:	Standard
Maximum viscosity at 100 %:	50 mPas
Maximum viscosity in slow mode 50 %:	1800 mPas
Maximum viscosity in slow mode 25 %:	2500 mPas
Accuracy of repeatability:	1 %
Materials:	
Dosing head:	PP (Polypropylene)
Valve ball:	Ceramic
Gasket:	FKM
Installation:	
Range of ambient temperature:	32 .. 113 °F
Maximum operating pressure:	232 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:	6.562 ft
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	14 .. 113 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft ³
Electrical data:	
Maximum power input - P1:	24 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
Controls:	
Control variant:	AR



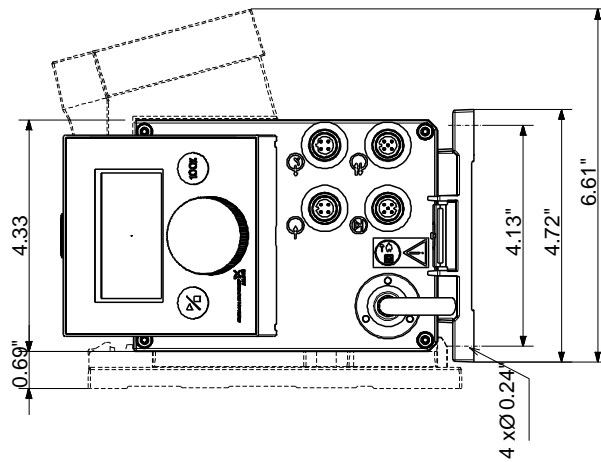
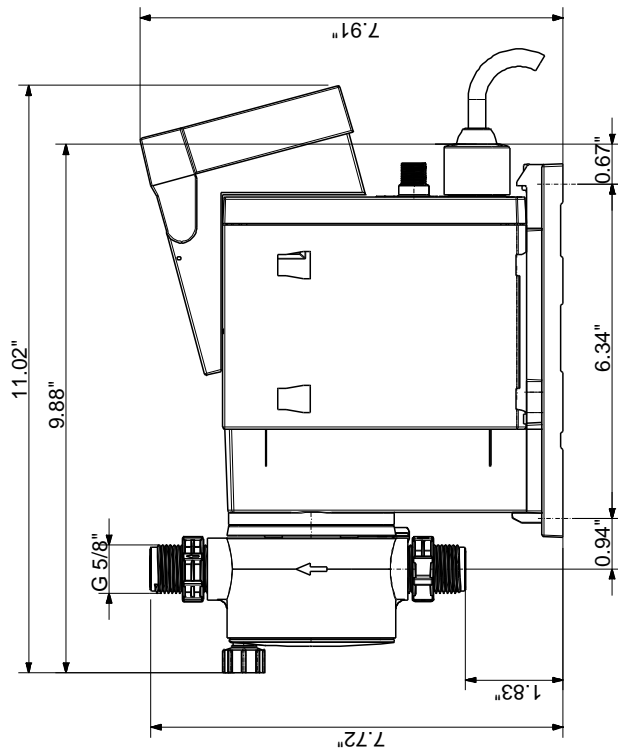


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Description	Value
Control panel:	FRONT-MOUNTED
Level control:	YES
Analog input:	0/4-20 mA
Pulse control:	YES
Ext. Stop input:	YES
Analog output:	0/4-20 mA
Output relays:	2
Bus communication:	YES
Others:	
Net weight:	4.41 lb
Gross weight:	6.62 lb
COLOR:	RED
Custom tariff no.:	8413.50.0050

97722361 DDA 7.5-16 60 Hz



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