| G | | | Company na Created by: Phone: | ame: | | | | | |
|----------|-------|---|--|---|--|--|--|--|--|
| | | | Date: | 12/10/2018 | | | | | |
| Position | Count | Description | | | | | | | |
| | 1 | DDA 60-10 | | | | | | | |
| | | Product No.: 99159458 DDA 60-10 AR-PV/V/C-F-31A7A7BG | ct photo could vary | y from the actual product | | | | | |
| | | The SMART Digital DDA 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 optimu accuracy, priming and suction, even for high-viscosity or degassing liquids. The duration of ear discharge stroke varies according to the capacity set, resulting in optimum smooth and continu discharge flow. The mounting plate allows quick installation and service. The control cube can be turned easily front, left or right position. The click wheel and the multi-coloured backlit graphical, plain-text Li display make commissioning and operation intuitive. The control elements are protected by a transparent cover. | | | | | | | |
| | | The dosing head is composed of: Long lifetime and universal, chem Ball valves for highest dosing acc Deaeration valve for easy startup. | uracy. | ull double PTFE diaphragm. | | | | | |
| | | Operating modes: Manual dosing in ml/h, l/h or gph. Pulse control in ml/pulse (incl. me Analog control 0/4-20 mA (scalab Pulse-based batch function in ml, Timer-based batch function (Dosine) Fieldbus control (GENIbus prepare) | le). I or gal. ng timer, cycle o | | | | | | |
| | | (maximum flow: 3.963 US gal/hou Service information display to sho required. Two-step key lock function to prot Additional display function to prov Counter for total dosed volume (re | ion), 50 % (max ir), e.g. for high- w when service ect the pump ag ide further inforr esettable), opera | timum flow: 7.925 US gal/hour) and 25 % viscosity or degassing liquids. and which wear-part order number is gainst unauthorised access. mation, e.g. the actual mA input signal. ating hours, etc. | | | | | |
| | | signal, pump dosing, timer etc.) - Output analog 0/4-20mA. | and external sto signal. or maximum 30 ^v | | | | | | |



| | | | Date: 12/10/2018 |
|----------|-------|------------------------------------|--------------------------------|
| Position | Count | Description | |
| | | 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 |
| | | Liquid: | |
| | | Pumped liquid: | Water |
| | | Liquid temperature range: | 32 122 °F |
| | | Liquid temperature during opera | ition: 68 °F |
| | | Density: | 62.29 lb/ft ³ |
| | | Technical: | |
| | | Type key: | DDA 60-10 AR-PV/V/C-F-31A7A7BG |
| | | Max. Flow: | 15.85 US gal/hour |
| | | Max. flow in slow mode 50%: | 7.925 US gal/hour |
| | | Max. flow in slow mode 25%: | 3.963 US gal/hour |
| | | Min flow: | 75 ml/h |
| | | Turn-down ratio: | 1:800 |
| | | Approvals on nameplate: | CE,CSA-US,NSF61,RCM |
| | | Valve type: | Standard |
| | | Maximum viscosity at 100 %: | 150 mPas |
| | | Maximum viscosity in slow mode | |
| | | Maximum viscosity in slow mode | |
| | | Accuracy of repeatability: | 1 % |
| | | Materials: | |
| | | Dosing head: | PVDF (Polyvinylidene fluoride) |
| | | Valve ball: | Ceramic |
| | | Gasket: | FKM |
| | | Installation: | |
| | | Range of ambient temperature: | 32 113 °F |
| | | Maximum operating pressure: | 145 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 | |
| | | Max. Suction lift during priming: | |
| | | 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: | 15.2 lb |
| | | COLOR: | RED |
| | | | |
| | | | |





| | | Date: | | 12/10/2018 | | | | |
|--------------------------------------|-----------------------------------|------------|-------|------------|-------------|---------|---------------|--|
| Description | Value | H [psi] | | | | DI | DA 60-10, 60 | |
| General information: | | | | | | | | |
| Product name: | DDA 60-10 | 160 - | | | | | | |
| Product No.: | 99159458 | | | | | | | |
| EAN: | 5712607842468 | 150 - | | | | | | |
| Technical: | | 140 - | | | | | | |
| | DDA 60-10 | 140 - | | | | | | |
| Type key: | AR-PV/V/C-F-31A7A7BG | 130 - | | | | | | |
| Max. Flow: | 15.85 US gal/hour | | | | | | | |
| Max. flow in slow mode 50%: | 7.925 US gal/hour | 120 - | | | | | | |
| Max. flow in slow mode 25%: | 3.963 US gal/hour | | | | | | | |
| Min flow: | 75 ml/h | 110 - | | | | | | |
| Turn-down ratio: | 1:800 | | | | | | | |
| Approvals on nameplate: | CE,CSA-US,NSF61,RCM | 100 - | | | | | | |
| Valve type: | Standard | 90 - | | | | | | |
| Maximum viscosity at 100 %: | 150 mPas | 90- | | | | | | |
| Maximum viscosity in slow mode 50 %: | | 80 - | | | | | | |
| Maximum viscosity in slow mode 25 %: | 3000 mPas | | | | | | | |
| Accuracy of repeatability: | 1 % | 70 - | | | | | | |
| Materials: | . ,0 | | | | | | | |
| | PVDF (Polyvinylidene | 60 - | | | | | | |
| Dosing head: | fluoride) | | | | | | | |
| Valve ball: | Ceramic | 50 - | | | | | | |
| Gasket: | FKM | | | | | | | |
| Installation: | | 40 - | | | | | | |
| Range of ambient temperature: | 32 113 °F | 30 - | | | | | | |
| Maximum operating pressure: | 145 psi | 307 | | | | | | |
| Installation set: | NO | 20 - | | | | | | |
| Installation type: | No installation set | | | | | | | |
| | Conn. Threaded | 10 - | | | | | | |
| Pump inlet: | 3/4#NPTM CodeA7 | • | | | | | | |
| Pump outlet: | Conn. Threaded 3/4#NPTM CodeA7 | 0 | 2 4 | 6 | 8 10 | 12 | Q [US gal/ho | |
| Max. Suction lift during operation: | 9.843 ft | | | | 29 187 | | | |
| Max. Suction lift during priming: | 4.922 ft | | | | 36 . 140 | | | |
| Liquid: | | | | | | | | |
| Pumped liquid: | Water | | | | | | <u></u> | |
| Liquid temperature range: | 32 122 °F | | | | | ● U ® ■ | 136 | |
| Liquid temperature during operation: | 68 °F | | | | | | | |
| Density: | 62.29 lb/ft ³ | | | u | | | | |
| Electrical data: | | | 183.5 | | 10 159 | | | |
| Maximum power input - P1: | 62 W | 140. | | 1 | 3 172.5 | • | | |
| Main frequency: | 60 Hz | | | 1.02 | 14.72* | | | |
| Rated voltage: | 1 x 100-240 V | | | | | ┢╴┛╽ | $\langle $ | |
| Enclosure class (IEC 34-5): | IP65 / NEMA 4X | | | | | | | |
| Length of cable: | 4.922 ft | | | | | | 83.5 | |
| Type of cable plug: | USA, Canada | | 00 | ° – | 25 N 161 | i= | 2 | |
| Inrush current: | 70A at 240V (35A/100V) for 2ms | | 00 | 4.41" | | | | |
| Controls: | | 194 | 4 | <u></u> | | | I | |
| Control variant: | AR | | | | | | | |
| 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 | | | | | | | |



Date:12/10/2018DescriptionValueNet weight:13.2 lbGross weight:15.4 lbCOLOR:RED

