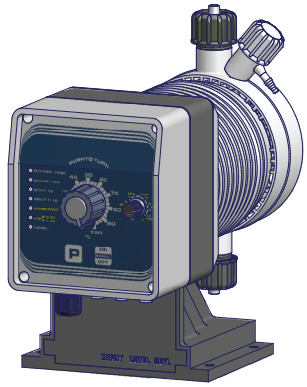
# "AMS PLUS" series Metering Pumps

Data Sheet

## "AMSA PLUS"



- Foot mounted
- Constant or proportional feeding
- Microprocessor technology
- Manual stroke length adjustment
- Manual (**AMS**) or self (**AMSA**) venting pump head
- Enclosure .....PP
- Environment temperature.....10-45°C (55-113°F)
- Chemical temperature.....0-50°C (32-122°F)
- Transportation and storage temperature .....-10-50°C (14-122°F)
- Altitude .....2000 m AMSL
- Installation class .....II
- Audible noise.....57.4 db(A)
- Protection degree .....IP65 (% working RU: 85% T<=40°C; 70% T=50°C - without condensing water)

# Configuration code

| MODELS | | | |
|---|---|---|---|
| Code AMS | Code AMSA | MOD. | DECRIPTION |
| **MU** | **AU** | AMS PLUS | Constant proportional pump with level control. Working mode:<br>- constant<br>- constant with divider (1/10)<br>- pulse divider (1/10; 10/100; 100/1000)<br>- pulse multiplier (1/10)<br>- mA signal current (0/4 mA = 0 pulses: 20mA = max pulses) |
| **CP** | **AL** | AMS CL PLUS | Constant pump with level control. Speed reducer (1/10) |
| **UO** | **AC** | AMS CO PLUS | Constant pump with speed reducer (1/10) |

| CAPACITY | | | | | |
|---|---|---|---|---|---|
| AMS | | | Delivery hose (PVDF) | Suction hose | Pump head mod. |
| 2505 | 5 l/h at 25 bar | 1.32 GPH at 362 PSI | 4 x 6 | 4 x 6 | L |
| 1510 | 10 l/h at 15 bar | 2.64 GPH at 217 PSI | 4 x 6 | 4 x 6 | M |
| 1015 | 15 l/h at 10 bar | 3.96 GPH at 145 PSI | 6 x 8 | 6 x 8 | M |
| 0720 | 20 l/h at 7 bar | 5.28 GPH at 101 PSI | 6 x 8 | 6 x 8 | N |
| 0340 | 40 l/h at 3 bar | 10.56 GPH at 43 PSI | 8 x 10 | 8 x 12 | S |
| 0260 | 60 l/h at 2 bar | 15.85 GPH at 29 PSI | 8 x 10 | 8 x 12 | T |
| AMSA | | | Delivery hose (PVDF) | Suction hose | Pump head mod. |
| 253.2 | 3.2 l/h at 25 bar | 0.85 GPH at 362 PSI | 4 x 6 | 4 x 6 | LA |
| 1506 | 6 l/h at 15 bar | 1.59 GPH at 217 PSI | 4 x 6 | 4 x 6 | MA |
| 1010 | 10 l/h at 10 bar | 2.64 GPH at 145 PSI | 6 x 8 | 6 x 8 | MA |
| 0713 | 13 l/h at 7 bar | 3.43 GPH at 101 PSI | 6 x 8 | 6 x 8 | NA |
| 0330 | 30 l/h at 3 bar | 7.9 GPH at 43 PSI | 8 x 10 | 8 x 12 | SA |
| 0238,5 | 38,5 l/h at 2 bar | 10.17 GPH at 29 PSI | 8 x 10 | 8 x 12 | TA |

Model A | UO | 2505 | K | 00 | 00

| POWER SUPPLY | |
|---|---|
| **00** | 230 VAC Schuko plug |
| **0S** | 230 VAC australian plug |
| **01** | 230 VAC without plug |
| **03** | 115 VAC US plug |
| **04** | 24 VAC without plug |
| **05** | 12 VDC * |
| **07** | 24 VDC |
| * On some models only. | |

| LIQUID ENDS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | HEAD | ORINGS | VALVE | | DIAPHRAGM | HOSES [1] | | VISCOSITY |
| | | | Body | Balls | | Delivery | Suction | Max CPS |
| K | PVDF | FKM B | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| P | PVDF | EPDM | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| Y | PVDF | Nytrile | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| V | PP | FKM B | PP | Ceramic | PTFE | PVDF | PVC | 100 |
| D | PP | EPDM | PP | Ceramic | PTFE | PE | PVC | 100 |
| W | PP | Nytrile | PP | Ceramic | PTFE | PE | PVC | 100 |
| J | PVDF | FKM B + PTFE | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| M | PVDF | EPDM + PTFE | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| S | PVDF | Silicone | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| A | Acrylic | FKM B | PVDF | Ceramic | PTFE | PVDF | PVC | 100 |
| Z[3] | SS | FKM B | SS | SS | PTFE | N/A | N/A | 100 |
| $ | Acrylic | FKM B | Polypropylene | SS + Hastelloy spring | PTFE | Polyethylen | PVC | 8000 [2] |

[1] Size may be different from standard.
[2] Using high viscosity pump head mod. $, pump output may results lower in some applications.

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ISO 45001:2018 No.01121/0

Specifications subject to change without notice | R2025

# "AMS PLUS" series Metering Pumps

Data Sheet

## "AMSA PLUS"

## Technical features

| INFORMATION | | | | | | |
|---|---|---|---|---|---|---|
| AMS | Strokes speed | | Stroke length range reliability | Power consumption at max flow (230 VAC) | Power consumption at max flow (115 VAC) | Weight |
| | min | max | | | | |
| 2505 | 12 | 120 | from 30% to 100% | 42 Watt | 24 Watt | 9 Kg (19.8 Lbs) |
| 1510 | 12 | 120 | | | | |
| 1015 | 12 | 120 | | | | |
| 0720 | 12 | 120 | | | | |
| 0340 | 12 | 120 | | | | |
| 0260 | 12 | 120 | | | | |
| AMSA | Strokes speed | | Stroke length range reliability | Power consumption at max flow (230 VAC) | Power consumption at max flow (115 VAC) | Weight |
| | min | max | | | | |
| 253.2 | 12 | 120 | from 30% to 100% | 42 Watt | 24 Watt | 9 Kg (19.8 Lbs) |
| 1506 | 12 | 120 | | | | |
| 1010 | 12 | 120 | | | | |
| 0713 | 12 | 120 | | | | |
| 0330 | 12 | 120 | | | | |
| 0238,5 | 12 | 120 | | | | |

| MORE INFORMATION | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AMS | Flow | | | | cc per Stroke | | Max injection pressure | |
| | min cc/h | max l/h | Min GPH | Max GPH | min | max | bar | PSI |
| 2505 | 150 | 5 | 0,039 | 1.32 | 0,21 | 0.70 | 25 | 362 |
| 1510 | 300 | 10 | 0,079 | 2.64 | 0,42 | 1.4 | 15 | 217 |
| 1015 | 450 | 15 | 0,118 | 3.96 | 0.62 | 2.08 | 10 | 217 |
| 0720 | 600 | 20 | 0,158 | 5.28 | 0,83 | 2.8 | 7 | 101 |
| 0340 | 1200 | 40 | 0,317 | 10.56 | 1,67 | 5.6 | 3 | 43 |
| 0260 | 1800 | 60 | 0,475 | 15.85 | 2,31 | 7,7 | 2 | 29 |
| AMSA | Flow | | | | cc per Stroke | | Max injection pressure | |
| | min cc/h | max l/h | Min GPH | Max GPH | min | max | bar | PSI |
| 253.2 | 96 | 3.2 | 0,025 | 0.85 | 0.13 | 0.44 | 25 | 362 |
| 1506 | 180 | 6 | 0,047 | 1.59 | 0.25 | 0.83 | 15 | 217 |
| 1010 | 300 | 10 | 0,079 | 2.64 | 0.48 | 1.39 | 10 | 217 |
| 0713 | 390 | 13 | 0,103 | 3.43 | 0.54 | 1.80 | 7 | 101 |
| 0330 | 900 | 30 | 0.237 | 7.9 | 1.25 | 4.16 | 3 | 43 |
| 0238.5 | 1155 | 38.5 | 0.305 | 10.1 | 1.6 | 5.34 | 2 | 29 |

| QUANTITY | PACKAGE CONTENT[1] |
|---|---|
| n. 1 | Assembly kit |
| n. 1 | 5 X 20 delayed fuse |
| n. 1 | Level probe with axial foot filter (PVDF) - level probe not in AMSCO PLUS mod. |
| n. 1 | 0,3 Bar injection valve (PVDF) |
| m 2 | Delivery hose |
| m 2 | Suction hose |
| m 2 | Discharge hose |
| m 2,5 | Input signal cable (only for AMS PLUS mod.) |
| n.1 | Operating manual |
| [1] Accessories not included with SS pump head. | |

| POWER SUPPLY | FUSE |
|---|---|
| 230 VAC (190-265 VAC) | 1,25 A |
| 115 VAC (90-135 VAC) | 1,6 A |
| 24 VAC (20-32 VAC) | 6,3 A |
| 12 VDC (10-16 VDC) | 5 A |

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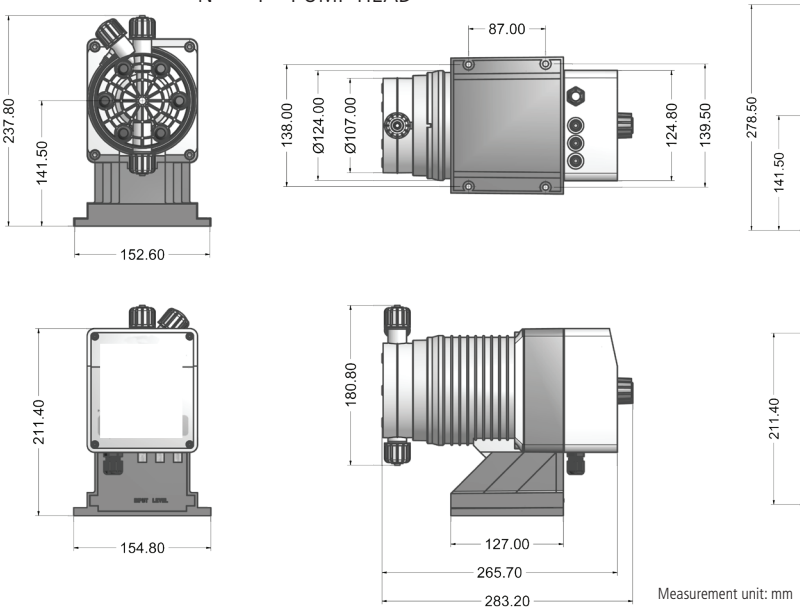
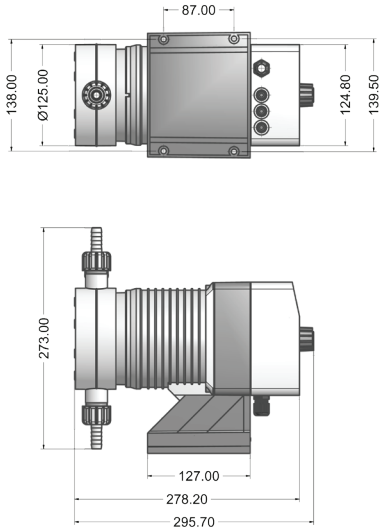
Data Sheet

## "AMSA PLUS"

"N" - "P" PUMP HEAD




"S" - "T" PUMP HEAD




Measurement unit: mm

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