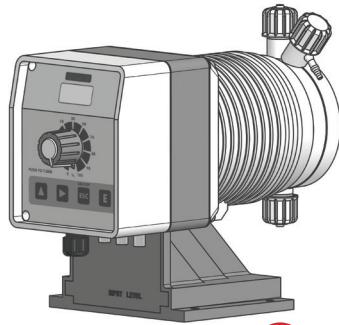


# "AMS DIGITAL" series Metering Pumps

## Data Sheet

### "AMSA DIGITAL Self Venting"



- Foot mounted, with display
- Microprocessor technology
- Manual stroke length adjustment
- Manual venting (AMS) or self venting (AMSA) 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 (55–122°F)
- Altitude .....2000 m AMSL
- Installation class .....II
- Pollution level .....2
- Audible noise.....57.4db(A)
- Protection degree .....IP65 (% working RU: 85% T<=40°C; 70% T=50°C - without condensing water)

## Configuration code

| MODELS      |              |      |                                                                                                                                                                                                                |
|-------------|--------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AMS Digital | AMSA Digital | MOD. | DESCRIPTION                                                                                                                                                                                                    |
| DC          | -            | "DC" | Digital constant pump, stand-by input and alarm output and level control.                                                                                                                                      |
| MF          | AF           | "MF" | Digital multifunction pump (Constant, Divide, Multiply, PPM, Batch, Volt, mA, %, ml/q) , stand-by and flow sensor input, alarm output and level control. Recovery fault mode, work-pause mode and upkeep mode. |
| PH          | AA           | "PH" | Proportional pump driven by internal built-in pH meter (0-14 pH) and level control, supplied without pH probe. Stand-by input.                                                                                 |
| RH          | AH           | "RH" | Proportional pump driven by internal built-in ORP meter (0-1000 mV) and level control, supplied without ORP probe. Stand-by input.                                                                             |

| 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 MF 2505 K 00 00

| LIQUID ENDS |                 |              |               |                       |           |                    |         |                   |
|-------------|-----------------|--------------|---------------|-----------------------|-----------|--------------------|---------|-------------------|
|             | HEAD            | ORINGS       | VALVE         |                       | DIAPHRAGM | HOSES <sup>1</sup> |         | VISCOSITY         |
|             |                 |              | Body          | Balls                 |           | Delivery           | Suction |                   |
| 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               |
| S           | PVDF            | Silicone     | PVDF          | Ceramic               | PTFE      | PVDF               | PVC     | 100               |
| A           | Acrylic         | FKM B        | PVDF          | Ceramic               | PTFE      | PVDF               | PVC     | 100               |
| Z           | SS <sup>3</sup> | FKM B        | SS            | SS                    | PTFE      | N/A                | N/A     | 100               |
| \$          | Acrylic         | FKM B        | Polypropylene | SS + Hastelloy spring | PTFE      | Polyethylen        | PVC     | 8000 <sup>2</sup> |

<sup>1</sup> Size may be different from standard.

<sup>2</sup> Using high viscosity pump head mod. \$, pump output may results lower in some applications.

<sup>3</sup> Specify on order, the external thread of the valves: conical, cylindrical or NPT. Stainless Steel pump does not fit installation kit (accessories and hoses). Refer to "SS Accessories" table for fittings.

| POWER SUPPLY |                         |
|--------------|-------------------------|
| 00           | 230 VAC Schuko plug     |
| 05           | 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.

| SS ACCESSORIES <sup>3</sup> |          |
|-----------------------------|----------|
| Pump head                   | Fittings |
| Li                          | 3/8"     |
| Mi                          | 1/2"     |
| Ni                          | 1/2"     |
| Si                          | 3/4"     |

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Specifications subject to change without notice | R2025

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**SYSTEM CERTIFIED**  
ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
No.07728/0  
No.00997/0  
No.01121/0

# "AMS DIGITAL" series Metering Pumps

## Data Sheet

### "AMSA DIGITAL Self Venting"

#### Technical features

| INFORMATION  |               |                |                                 |                                         |                                         |                                        |                                        |                 |
|--------------|---------------|----------------|---------------------------------|-----------------------------------------|-----------------------------------------|----------------------------------------|----------------------------------------|-----------------|
| AMS DIGITAL  | Strokes speed |                | Stroke length range reliability | Power consumption at max flow (230 VAC) | Power consumption at max flow (115 VAC) | Power consumption at max flow (24 VDC) | Power consumption at max flow (12 VDC) | Weight          |
|              | min           | max            |                                 |                                         |                                         |                                        |                                        |                 |
|              | strokes hour  | strokes minute |                                 |                                         |                                         |                                        |                                        |                 |
| 2505         | 1             | 120            | from 30% to 100%                | 42 Watt                                 | 24 Watt                                 | 34 Watt                                | 20 Watt                                | 9 Kg (19.8 Lbs) |
| 1510         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 1015         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 0720         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 0340         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 0260         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| AMSA DIGITAL | Strokes speed |                | Stroke length range reliability | Power consumption at max flow (230 VAC) | Power consumption at max flow (115 VAC) | Power consumption at max flow (24 VDC) | Power consumption at max flow (12 VDC) | Weight          |
|              | min           | max            |                                 |                                         |                                         |                                        |                                        |                 |
|              | strokes hour  | strokes minute |                                 |                                         |                                         |                                        |                                        |                 |
| 253.2        | 1             | 120            | from 30% to 100%                | 42 Watt                                 | 24 Watt                                 | 34 Watt                                | 20 Watt                                | 9 Kg 19.8 Lbs)  |
| 1506         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 1010         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 0713         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 0330         | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |
| 0238,5       | 1             | 120            |                                 |                                         |                                         |                                        |                                        |                 |

| MORE INFORMATION |          |         |         |         |               |      |                        |     |
|------------------|----------|---------|---------|---------|---------------|------|------------------------|-----|
| AMS DIGITAL      | Flow     |         |         |         | cc per Stroke |      | Max injection pressure |     |
|                  | min cc/h | max l/h | Min GPH | Max GPH | min           | max  | bar                    | PSI |
|                  |          |         |         |         |               |      |                        |     |
| 2505             | 0,21     | 5       | 0,039   | 1.32    | 0,21          | 0.70 | 25                     | 362 |
| 1510             | 0,42     | 10      | 0,079   | 2.64    | 0,42          | 1.4  | 15                     | 217 |
| 1015             | 0.62     | 15      | 0,118   | 3.96    | 0.62          | 2.08 | 10                     | 217 |
| 0720             | 0,83     | 20      | 0,158   | 5.28    | 0,83          | 2.8  | 7                      | 101 |
| 0340             | 1,67     | 40      | 0,317   | 10.56   | 1,67          | 5.6  | 3                      | 43  |
| 0260             | 2,31     | 60      | 0,61    | 15.85   | 2,31          | 7,7  | 2                      | 29  |
| AMSA DIGITAL     | Flow     |         |         |         | cc per Stroke |      | Max injection pressure |     |
|                  | min cc/h | max l/h | Min GPH | Max GPH | min           | max  | bar                    | PSI |
|                  |          |         |         |         |               |      |                        |     |
| 253.2            | 0.44     | 3.2     | 0,025   | 0.85    | 0.13          | 0.44 | 25                     | 362 |
| 1506             | 0.83     | 6       | 0,047   | 1.59    | 0.25          | 0.83 | 15                     | 217 |
| 1010             | 1.39     | 10      | 0,079   | 2.64    | 0.48          | 1.39 | 10                     | 217 |
| 0713             | 1.80     | 13      | 0,103   | 3.43    | 0.54          | 1.80 | 7                      | 101 |
| 0330             | 4.16     | 30      | 0.33    | 7.9     | 1.25          | 4.16 | 3                      | 43  |
| 0238.5           | 5.34     | 38.5    | 0.43    | 10.1    | 1.6           | 5.34 | 2                      | 29  |

| QUANTITY | PACKAGE CONTENT                           |
|----------|-------------------------------------------|
| n. 1     | Assembly kit                              |
| n. 1     | 5 X 20 delayed fuse                       |
| n. 1     | Level probe with axial foot filter (PVDF) |
| 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                        |
| m 2      | Alarm/Stand-by cable                      |
| n.1      | Operating manual                          |

| 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    |

# "AMS DIGITAL" series Metering Pumps

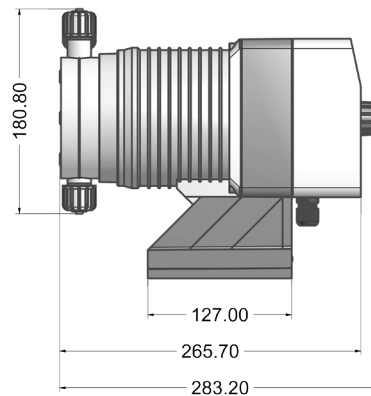
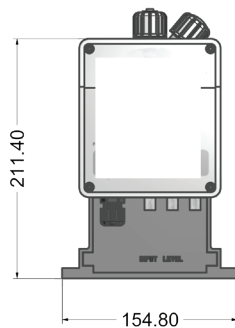
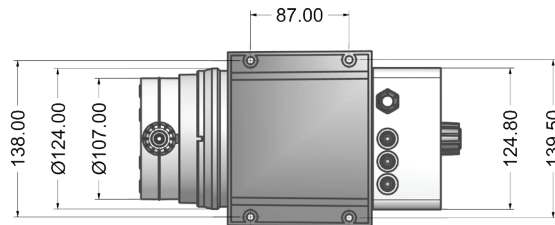
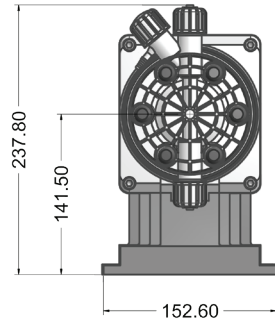
## Data Sheet

### "AMSA DIGITAL Self Venting"

## Dimensions

mm [inch]

### "N" - "P" pump head



### "S" - "T" pump head

