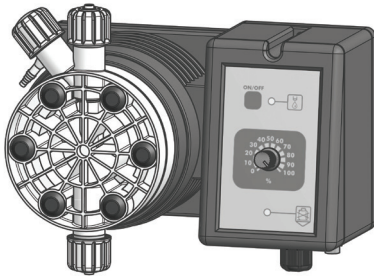


# "T" series Metering Pumps

## Data Sheet

### "TA Self Venting"



- Wall mounted
- Stroke speed adjustment
- Microprocessor technology
- Manual venting (T) or self venting (TA) PVDF pump head
- All liquid ends (pump head, injection valve, foot filter, delivery hose) are in PVDF

Power supply:

- 230 VAC (190-265 VAC) - 50/60 Hz
- 115 VAC (90-135 VAC) - 50/60 Hz
- 24 VAC (20-32 VAC) - 50/60 Hz
- 24 VDC (20-32 VDC)
- 12 VDC (10-16 VDC)

Pump Strokes: 0-120  
 Environment Temperature: 0-45°C (32-113°F)  
 Chemical Temperature: 0-50°C (32-122°F)  
 Packaging and Transporting Temperature: -10-50°C  
 Installation Class: II Pollution Level: 2  
 Audible Noise: 62.0 db(A)  
 Protection Degree Rating: IP 65 (% working RU: 85% T<=40°C; 70% T=50°C - without condensing water)  
 Max altitude: 2000 m

## Configuration code

| MODELS |         |      |                                                                        |
|--------|---------|------|------------------------------------------------------------------------|
| Code T | Cod. TA | MOD. | DESCRIPTION                                                            |
| CO     | OA      | "CO" | Constant pump with stroke speed (frequency) adjustment.                |
| CL     | CA      | "CL" | Constant pump with level control, stroke speed (frequency) adjustment. |

| CAPACITIES |                   |                     |                        |                        |                |
|------------|-------------------|---------------------|------------------------|------------------------|----------------|
| T Models   |                   |                     | Delivery hose (PVDF)   | Suction hose           | Pump head mod. |
| 2005       | 5 l/h at 20 bar   | 1.32 GPH at 290 PSI | 4 x 6                  | 4 x 6                  | L              |
| 0515       | 15 l/h at 5 bar   | 3.96 GPH at 73 PSI  | 6 x 8                  | 6 x 8                  | N              |
| 0420       | 20 l/h at 4 bar   | 5.28 GPH at 58 PSI  | 6 x 8                  | 6 x 8                  | N              |
| 0330       | 30 l/h at 3 bar   | 1.32 GPH at 43 PSI  | 8 x 10                 | 8 x 12                 | S              |
| 0150       | 50 l/h at 1 bar   | 1.32 GPH at 15 PSI  | 8 x 10                 | 8 x 12                 | S              |
| 00100      | 100 l/h at 0 bar  | 26.4 GPH at 0 PSI   | 12 x 18 PVC reinforced | 12 x 18 PVC reinforced | T              |
| TA Models  |                   |                     | Delivery hose (PVDF)   | Suction hose           | Pump head mod. |
| 203.2      | 3.2 l/h at 20 bar | 0.85 GPH at 290 PSI | 4 x 6                  | 4 x 6                  | LA             |
| 0510       | 10 l/h at 5 bar   | 2.64 GPH at 73 PSI  | 6 x 8                  | 6 x 8                  | NA             |
| 0413       | 13 l/h at 4 bar   | 3.43 GPH at 58 PSI  | 6 x 8                  | 6 x 8                  | NA             |
| 0320       | 20 l/h at 3 bar   | 5.3 GPH at 43.5 PSI | 8 x 10                 | 8 x 12                 | SA             |
| 0135       | 35 l/h at 1 bar   | 9.2 GPH at 14.5 PSI | 8 x 10                 | 8 x 12                 | SA             |

Model T CO 2005 K 00 00

| LIQUID ENDS |         |              |       |                       |           |          |         |           |
|-------------|---------|--------------|-------|-----------------------|-----------|----------|---------|-----------|
|             | HEAD    | ORINGS       | VALVE |                       | DIAPHRAGM | HOSES    |         | 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      | PVDF     | PVC     | 100       |
| W           | PP      | Nytrile      | PP    | Ceramic               | PTFE      | PVDF     | PVC     | 100       |
| J           | PVDF    | FKM B + PTFE | PVDF  | Ceramic               | PTFE      | PVDF     | PVC     | 100       |
| A           | Acrylic | FKM B        | PVDF  | Ceramic               | PTFE      | PVDF     | PVC     | 100       |
| Z           | SS      | FKM B        | SS    | SS                    | PTFE      | N/A      | N/A     | 100       |
| \$          | Acrylic | FKM B        | PP    | SS + Hastelloy spring | PTFE      | PE       | PVC     | 8000 *    |

\* Using high viscosity pump head mod. \$, pump output may results lower in some applications.

| 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.

# "T" series Metering Pumps

## Data Sheet

"TA Self Venting"

| INFORMATION |               |     |                                         |                                         |                                            |                   |
|-------------|---------------|-----|-----------------------------------------|-----------------------------------------|--------------------------------------------|-------------------|
| T           | Strokes speed |     | Power consumption at max flow (230 VAC) | Power consumption at max flow (115 VAC) | Power consumption at max flow (24 VAC/VDC) | Weight            |
|             | min           | max |                                         |                                         |                                            |                   |
| 2005        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        | 5,7 Kg (12,6 Lbs) |
| 0515        | 12            | 120 | 27 Watt                                 | 15 Watt                                 | 14 Watt                                    |                   |
| 0420        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |
| 0330        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |
| 0150        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |
| 00100       | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |
| TA          | Strokes speed |     | Power consumption at max flow (230 VAC) | Power consumption at max flow (115 VAC) | Power consumption at max flow (24 VAC/VDC) | Weight            |
|             | min           | max |                                         |                                         |                                            |                   |
| 203,2       | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        | 5,7 Kg (12,6 Lbs) |
| 0510        | 12            | 120 | 27 Watt                                 | 15 Watt                                 | 14 Watt                                    |                   |
| 0413        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |
| 0320        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |
| 0135        | 12            | 120 | 27 Watt                                 | 21 Watt                                 | n/a                                        |                   |

| MORE INFORMATION |          |         |         |         |               |                        |      |
|------------------|----------|---------|---------|---------|---------------|------------------------|------|
| T                | Flow     |         |         |         | cc per Stroke | Max injection pressure |      |
|                  | min cc/h | max l/h | Min GPH | Max GPH | Max           | bar                    | PSI  |
|                  |          |         |         |         |               |                        |      |
| 2005             | 500      | 5       | 0,13    | 1,32    | 0,7           | 20                     | 290  |
| 0515             | 1500     | 15      | 0,39    | 3,96    | 2,1           | 5                      | 73   |
| 0420             | 2000     | 20      | 0,52    | 5,28    | 2,8           | 4                      | 58   |
| 0330             | 3000     | 30      | 0,79    | 7,93    | 4,2           | 3                      | 43   |
| 0150             | 5000     | 50      | 1,32    | 13,2    | 7             | 1                      | 15   |
| 00100            | 10000    | 100     | 2,64    | 26,4    | 14            | 0                      | 0    |
| TA               | Flow     |         |         |         | cc per Stroke | Max injection pressure |      |
|                  | min cc/h | max l/h | Min GPH | Max GPH | Max           | bar                    | PSI  |
|                  |          |         |         |         |               |                        |      |
| 203,2            | 96       | 3,2     | 0,025   | 0,85    | 0,44          | 20                     | 290  |
| 0510             | 300      | 10      | 0,079   | 2,64    | 1,39          | 5                      | 73   |
| 0413             | 390      | 13      | 0,103   | 3,43    | 1,80          | 4                      | 58   |
| 0320             | 600      | 20      | 0,16    | 5,3     | 2,78          | 3                      | 43,5 |
| 0135             | 1050     | 35      | 0,28    | 9,2     | 4,86          | 1                      | 14,5 |

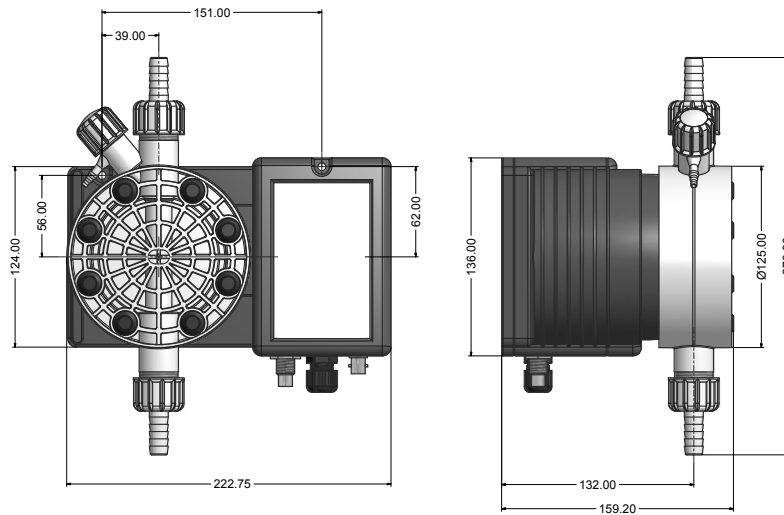
# "T" series Metering Pumps

"TA Self Venting"

## Data Sheet

Measurement unit: mm

"S" - "T" PUMP HEAD



"N" - "P" PUMP HEAD

