



M e t e r i n g P u m p s

CMS SERIES



CMS & CMS DIGITAL

Stroke length and stroke speed adjustment for highly accurate dosing.

Wide control opportunities, without any external pacer, such as pulse division and multiplication, 4 ÷ 20 mA, mV and V input.

Power supply continuous sampling ensures always the same energy to the solenoid in order to have the same stroke length and power giving longer life to the pump and more accurate dosing.



Features pH and ORP potential (Redox) built-in instruments.



M E T E R I N G P U M P S

CMS CO * CMS CL * CMS IS * CMS PV * CMS PVM * CMS IC

CMS MODELS & CONTROL PANELS



CMS CO

Constant pump with stroke speed adjustment and stroke length adjustment



CMS CL

Constant pump with level control, stroke speed adjustment and stroke length adjustment

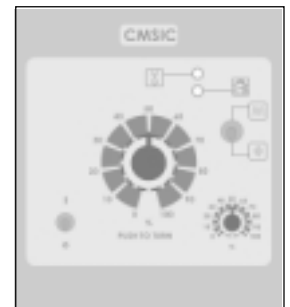


CMS IS

Constant-Proportional pump driven by external digital signal, with level control: to each external pulse correspond one pump stroke

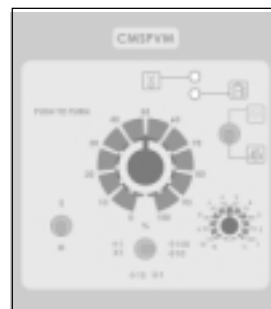
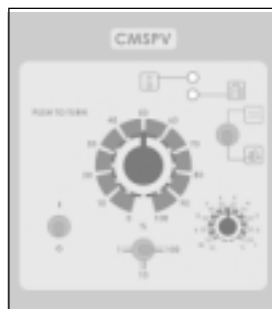
CMS IC

Constant-Proportional pump driven by current signal (0 / 4mA = 0 pulses; 20mA = max pulses) and level control



CMS PV

Constant-Proportional pump driven by external digital signal, with pulse divider mode



CMS PVM

Constant-Proportional pump driven by external digital signal, with pulse division and multiplication

| | CMS CO | CMS CL | CMS IS | CMS PV | CMS PVM | CMS IC |
|---------------------|-----------------|--------------|----------------|----------------|------------------------------|------------|
| Input Signals | None | None | Digital Pulses | Digital Pulses | Digital Pulses | mA current |
| Internal Controller | Stroke speed | Stroke speed | None | Pulse Divider | Pulse Divider and Multiplier | None |
| Alarm output | Level on demand | | | | | |

M E T E R I N G P U M P S

CMS MAN * CMS EXT * CMS PH * CMS RH * CMS EXT/485

CMS DIGITAL MODELS & CONTROL PANELS



CMS MAN

Constant pump with level control and frequency digital control

CMS EXT

Multifunction-Proportional pump with analogic and digital signal input, level control

CMS EXT / 485

Remote controlled CMS EXT pump via RS485



CMS PH

Proportional pump driven by internal built-in pH meter (0÷14pH) and level control

CMS RH

Proportional pump driven by internal built-in Redox (ORP Potential) meter (0÷1000mV) and level control

| | CMS MAN | CMS EXT | CMS PH | CMS RH | CMS EXT/485 |
|---------------------|-----------------|--|-----------------------|--------------------------|--|
| Input Signals | None | Digital Pulses mA Current V Voltage mV Voltage | pH probe | Redox probe | Digital Pulses mA Current V Voltage mV Voltage |
| Internal Controller | Stroke speed | Pulse divider and multiplier Analog signal proportional range definition | pH meter proportional | Redox meter proportional | Pulse divider and multiplier Analog signal proportional range definition |
| Remote control | No | No | No | No | RS 485 |
| Alarm output | Level on demand | | | | |

| | Pump Head | Diaphragm | Ball Checks | Valve Cartridge | Hose Connection kit | Foot Filter | Hoses | O-rings |
|-----------|-----------------------|-----------|---------------------|-----------------|---------------------|---------------|-------------|-------------|
| STANDARD | Polypropylene | PTFE | Ceramic | Polypropylene | Polypropylene | Polypropylene | PE | Viton® |
| ON DEMAND | PVDF Acrylic SS | -- | PTFE Glass SS | PVDF SS | PVDF | PVDF | PVDF PVC | EPDM NBR |

Viton® is a registered trademark of DuPont Dow Elastomers.

Technical Data of All Models

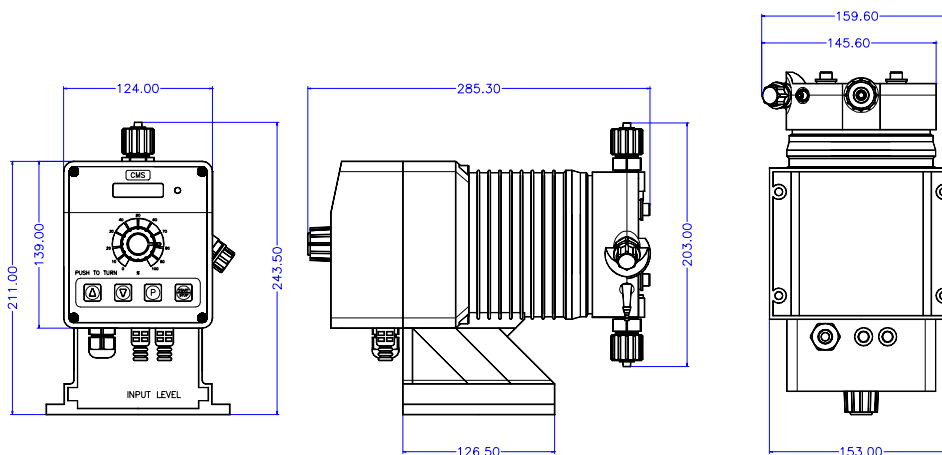
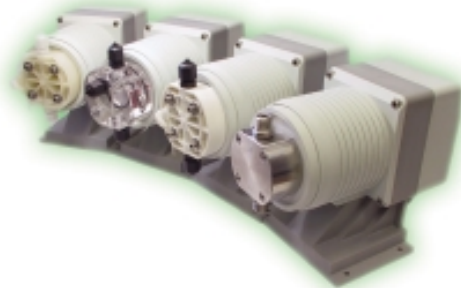
| Flow | Max Capacity l/h | Max Pressure bar | Capacity l/h | Pressure bar | m l stroke | Strokes/ m n | Hoses mm | Watt W | Shipping weight Kg |
|-------|------------------|------------------|--------------|--------------|------------|--------------|--------------------------|--------|--------------------|
| 25 05 | 5 l/h | 25 | 7 | 12,5 | 0,70 | 120 | 4 x 8 PE | 42 W | 9 |
| 15 10 | 10 l/h | 15 | 12 | 7,5 | 1,4 | 120 | 4 x 8 PE | 42 W | 9 |
| 07 20 | 20 l/h | 7 | 27 | 3,5 | 2,8 | 120 | 6 x 8 PE | 42 W | 9 |
| 03 40 | 40 l/h | 3 | 45 | 1,5 | 5,6 | 120 | 8 x 10 PVDF 8 x 12 PE | 42 W | 9 |
| 02 60 | 60 l/h | 2 | 66 | 1 | 8,4 | 120 | 8 x 10 PVDF 8 x 12 PE | 42 W | 9 |

Power Supply: 115 - 230 - 24 VDC.

On demand are available other power supply.

CMS Series are available in Acrylic, PVDF, Stainless Steel and PP pump heads.

All pump heads are also available with self-venting feature except Stainless Steel pump heads.



All dimensions are in mm unless specified.