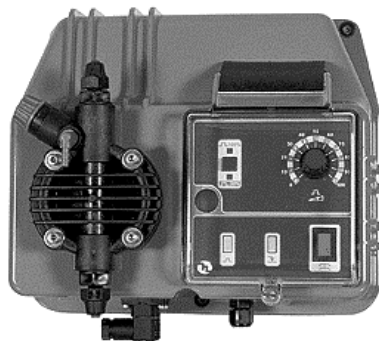
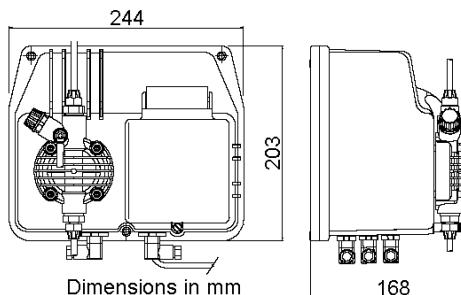


# DLS SERIES



The DLS series is our range of economical wall-mounted pumps which covers the entire range of typical solenoid-driven pump flowrates. With models which allow their flows to be controlled in various ways, the DLS series pumps are easily suitable for a wide range of applications.



**SERIES**

**Series:** DLS

**Type:** Solenoid-driven diaphragm metering pump.

**Mounting:** Wall-mounted.

**Enclosure:** IP65 (aluminium case).

Internal transformer provides stability to pump electronics.

Double range flow scale (for DLS-MA).

Level sensor connection as standard (level sensor itself sold as option).

**FLOW CONTROL TYPE**

**MA:** Manual (by hand).

**VFT:** Contact watermeter controlled, with pulse multiplier (to allow for one watermeter pulse to create multiple pump pulses) and pulse divider (to allow multiple watermeter pulses to create one pump pulse).

**CC:** Remote controlled by incoming milliampere signal (configured by user, between 0-20 mA).

**PH:** Pump with built-in pH controller. User-set pH set point controls pump flow.

**RX:** Pump with built-in ORP controller. User-set ORP set point controls pump flow.

**LIQUID END MATERIALS**

**Standard:**  
As shown in table below

**Options:**  
PVC, PTFE, PVDF, SS316  
(Some materials may not be available for some models. Consult Etatron).

**ELECTRICALS**

**Standard:**  
230 V, 50/60 Hz, 1 ph

**Options:**  
110 V, 60 Hz, 1 ph  
12 VDC (limited models)  
24-48 VAC (limited models)

**MODEL SPECIFICATION:** **DLS** - **MA** **2-10** **230 V, 50/60 Hz, 1 ph** **State specials here**

INDIVIDUAL MODEL MAXIMUM SPECIFICATIONS (STANDARD DLS-MA 230V MANUAL CONTROL VERSION)									
Model	Flow (l/hr)	Pressure (bar)	Strokes /min	Power (W) +	Current (A) +	Pumphead Material	Valves, O-rings Materials	Suction Lift (m)	Nett Weight (kg)
01-10	1	10	100	40	0.18	PP	Viton	1.5	4.2
02-10	2	10	160	60	0.26	PP *	Viton	2.0	4.2
02-20	2	20	160	60	0.26	PP *	Viton	2.0	4.2
05-10	5	10	160	60	0.26	PP *	Viton	2.0	4.2
05-15	5	15	160	93	0.39	PP *	Viton	2.0	4.7
05-20	5	20	160	115	0.48	PP *	Viton	2.0	5.2
10-07	10	7	160	60	0.26	PP *	Viton	2.0	4.2
10-10	10	10	160	93	0.39	PP *	Viton	2.0	4.7
15-05	15	5	160	111	0.48	PP	Viton	2.0	5.2
20-05	20	5	160	111	0.48	PP	Viton	2.0	5.2
30-04	30	4	180	124	0.54	PVC	Viton	1.5	5.7
50-03	50	3	180	124	0.54	PVC	Pyrex, Viton	1.5	5.7
80-01	80	1	180	124	0.54	PVC	Pyrex, Viton	1.5	5.7

+ Pumps with advanced functions may consume more power.

\* Supplied standard with built-in manual air-bleed valves

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