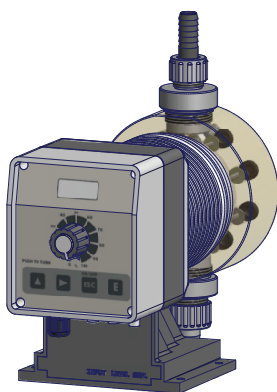
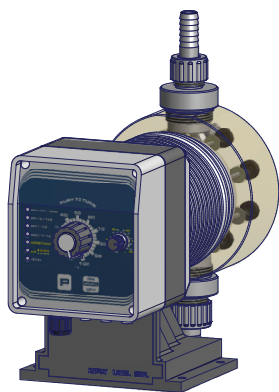


"AMSP" series Metering Pumps

For viscosity up to 50.000 cPs

Data Sheet



- For liquids with max viscosity 50.000 cPs
- Foot mounted, with display
- Manual stroke length adjustment
- Provided without injection valve, foot filter and level probe.

Note: flow may change according to viscosity. Flow rates indicated refer to a measure with water.

- Environment temperature.....10-45°C (55-113°F)
- Chemical temperature.....0-50°C (32-122°F)
- Transportation and storage temperature10-50°C (55-122°F)
- Installation classII
- Pollution level2
- Audible noise.....57,4 db(A)
- Protection degreeIP65 (% working RU: 85% T<=40°C; 70% T=50°C - without condensing water)



Configuration Code

MODELS AMSP		
Code	MOD.	DESCRIPTION
UO	AMSP CO PLUS	Constant pump with speed reducer (1/10).
MU	AMSP PLUS	Constant proportional pump with level control. Working mode: - constant - constant with divider (1/10) - pulse divider (1/10; 10/100; 100/1000) - pulse multiplier (1/10) - mA signal current (0/4 mA = 0 pulses; 20mA = max pulses)
MF	AMSP 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	AMSP PH	Proportional pump driven by internal built-in pH meter (0-14 pH) and level control, supplied without level and pH probes.
RH	AMSP RH	Proportional pump driven by internal built-in ORP meter (0-2000 mV) and level control, supplied without level and ORP probes.

CAPACITIES						
MODELS			Suction Hose	Delivery Hose	Suction Valve	Delivery Valve
0802	2 l/h at 8 bar	0,52 GPH at 116 PSI	20 x 27	16 x 22	1" x 20	3/4" x 16
0604	4 l/h at 6 bar	1,05 GPH at 87 PSI	20 x 27	16 x 22	1" x 20	3/4" x 16
0410	10 l/h at 4 bar	2,64 GPH at 58 PSI	20 x 27	16 x 22	1" x 20	3/4" x 16
0225	25 l/h at 2 bar	6,60 GPH at 29 PSI	20 x 27	16 x 22	1" x 20	3/4" x 16
0140	40 l/h at 1 bar	10,56 GPH at 14 PSI	20 x 27	16 x 22	1" x 20	3/4" x 16

Model

A **UO** **0802** **B** **00** **00**

POWER SUPPLY	
00	230 VAC Schuko plug
05	230 VAC australian plug
01	230 VAC without plug
03	115 VAC US plug

LIQUID ENDS									
	HEAD	ORINGS	VALVE			DIAPHRAGM	HOSES		VISCOSITY
			Body	Balls	Spring		Delivery	Suction	
B	Acrylic	FKM B	Polypropylene	PTFE	Hastelloy	PTFE	PVC	PVC	50000

"AMSP" series Metering Pumps

For viscosity up to 50.000 cPs

Data Sheet

INFORMATION FOR AMSP CO PLUS and AMSP PLUS					
	Strokes speed		Stroke length range reliability	Power consumption at max flow (230 VAC)	Weight
	min	max			
0802	12	120	from 30% to 100%	42 Watt	9 Kg (19.8 Lbs)
0604	12	120			
0410	12	120			
0225	12	120			
0140	12	120			

INFORMATION FOR AMSP MF - AMSP PH - AMSP RH					
	Strokes speed		Stroke length range reliability	Power consumption at max flow (230 VAC)	Weight
	min	max			
	Stroke hour	Stroke minute			
0802	1	120	from 30% to 100%	42 Watt	9 Kg (19.8 Lbs)
0604	1	120			
0410	1	120			
0225	1	120			
0140	1	120			

MORE INFORMATION									
AMSP CO PLUS AMSP PLUS	Flow				cc per Stroke		Max injection pressure		
	min cc/h	max l/h	Min GPH	Max GPH	min	max	bar	PSI	
	0802	60	2	0,015	0,52	0,084	0,28	8	116
0604	120	4	0,031	1,05	0,168	0,56	6	87	
0410	300	10	0,079	2,64	0,42	1,4	4	58	
0225	750	25	0,198	6,60	1,05	3,5	2	29	
0140	1200	40	0,317	10,56	1,68	5,6	1	14	
AMSP MF AMSP PH AMSP RH	Flow				cc per Stroke		Max injection pressure		
	min cc/h	max l/h	Min GPH	Max GPH	min	max	bar	PSI	
	0802	0,084	2	0,00002	0,52	0,084	0,28	8	116
0604	0,168	4	0,00004	1,05	0,168	0,56	6	87	
0410	0,42	10	0,00011	2,64	0,42	1,4	4	58	
0225	1,05	25	0,00027	6,60	1,05	3,5	2	29	
0140	1,68	40	0,00044	10,56	1,68	5,6	1	14	

QUANTITY	PACKAGE CONTENT
n. 1	Assembly kit
n. 1	5 X 20 delayed fuse
m 2	Delivery hose
m 2	Suction hose
m 2	Discharge hose
m 0,3	PVC hose
n. 1	syringe
n. 2	Stainless Steel hose clamps
m 2	Alarm/Stand-by cable (MF mod.)
n.1	Operating manual

POWER SUPPLY	FUSE	FREQ.
230 VAC (180-270 VAC)	1,25 A	50/60 Hz
115 VAC (90-135 VAC)	1,6 A	50/60 Hz
24 VAC (20-32 VAC)	6,3 A	50/60 Hz
12 VDC (10-16 VDC)	5 A	