

Multifunction motor driven plunger metering pump

Motor-driven plunger dosing pump, mechanical actuated, PRIUS combines efficiency and chemical resistance to a wide capacity range for an extensive number of applications.

- Multifunction plunger pump with inverter
- Working mode: Constant, ppm, %, mlq, pause-work, weekly, pulse, mA, Volt and Batch
- Level control
- Alarms
- Stand-by
- Double position of the electronic unit (standard or rotated mounting)
- **Ceramic or Stainless Steel plunger**
- Aluminium enclosure
- Flow regulation
- Double ball check valve
- Tropicalized three-phase motors

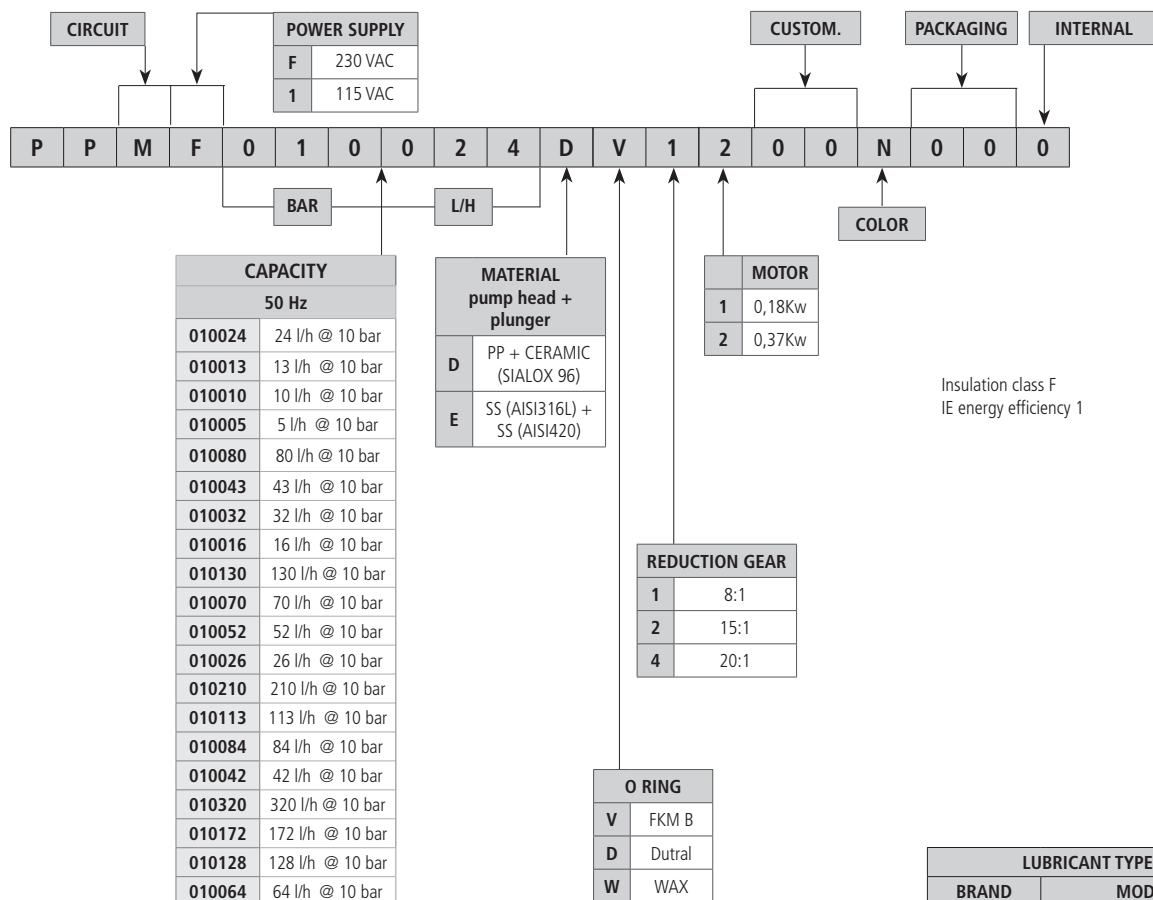


STANDARD MOUNTING

ROTATED MOUNTING

The display has a four-color backlight that highlights: red color alarm, green color normal operation, yellow color attention, white color standby/off

Identification code



LUBRICANT TYPE	
BRAND	MODEL
MOBIL	MOBILGEAR 632
SHELL	OMALA OIL 320
BP	ENERGOL GR-XP 320
IP	MELLANA OIL 320
ESSO	SPARTAN EP 320
AGIP	BLASIA 320

"PRIUS P MF" - 50 Hz / SINGLE-PHASE SUPPLY

FEATURES

- Multifunction plunger pump with inverter
- Power supply: 230 VAC (+/-10%) - 50/60 Hz - single-phase
- Ceramic (SIALOX96) plunger and PP pump head or SS (AISI420) pump head and plunger
- Double ball check valve
- Aluminium enclosure
- Flow regulation
- Double position of the electronic unit (standard or rotated mounting)
- Environment temperature:-10-40 °C (14-104 °F)
- Chemical temperature with SS pump head:-10-90 °C (14-194 °F)*
- Chemical temperature with PP pump head:-10-40 °C (14-104 °F)
- Installation class II
- Pollution level 2
- Audible noise..... 78 dbA (± 5 dB)
- Protection degree IP 55
- Max suction height 3 m
- Oil capacity..... 0,3 lt (Refer to "Lubricant type" table)

* The specified temperature can be exceeded temporarily (max 15') for sterilization or flushing with hot water.

PRIUS P MF WITH PP PUMP HEAD AND CERAMIC PLUNGER



STANDARD MOUNTING

ROTATED MOUNTING

PRIUS P MF WITH SS PUMP HAED AND PLUNGER



STANDARD MOUNTING

ROTATED MOUNTING

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PRIUS P MF WITH PP PUMP HEAD AND CERAMIC PLUNGER

PRIUS P MF								
stroke length	PLUNGER diam. (mm)	PRIUS P MF	Stroke/1'	Pressure bar	Capacity l/h	Motor	HOSES CONNECTION	INSTALLATION KIT
							PP	
15 mm	14	010024	175	10	24	0,37 kW	G1/2" 12x18	A
		010013	94		13			
		010010	70		10			
		010005	35		5			
	25	010080	175	10	80	0,37 kW	G1/2" 12x18	A
		010043	94		43			
		010032	70		32			
		010016	35		16			
	32	010130	175	10	130	0,37 kW	G1/2" 12x18	A
		010070	94		70			
		010052	70		52			
		010026	35		26			
	40	010210	175	10	210	0,37 kW	G3/4" d.i. 18 mm	B
		010113	94		113			
		010084	70		84			
		010042	35		42			
	50	010320	175	10	320	0,37 kW	G3/4" d.i. 18 mm	B
		010172	94		172			
		010128	70		128			
		010064	35		64			

ACCESSORIES

A. INSTALLATION KIT INCLUDED

- 1/2" foot filter with 13 mm (int. diam.) hose fitting
- 3/4" injection valve
- 13 x16 PVDF or 12 X 18 PVC delivery hose
- 13 x16 PVDF or 12 X 18 PVC suction hose

B. INSTALLATION KIT (OPTION)

- 1 1/2" foot filter with 18 mm (int. diam.) hose fitting (G1 1/2" - 18 mm)
- 1 1/2" injection valve

Packaging of all models always includes:

- LEVEL PROBE
- INPUT / STANDBY CABLE
- ALARM CABLE

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PRIUS P MF WITH SS PUMP HEAD AND PLUNGER

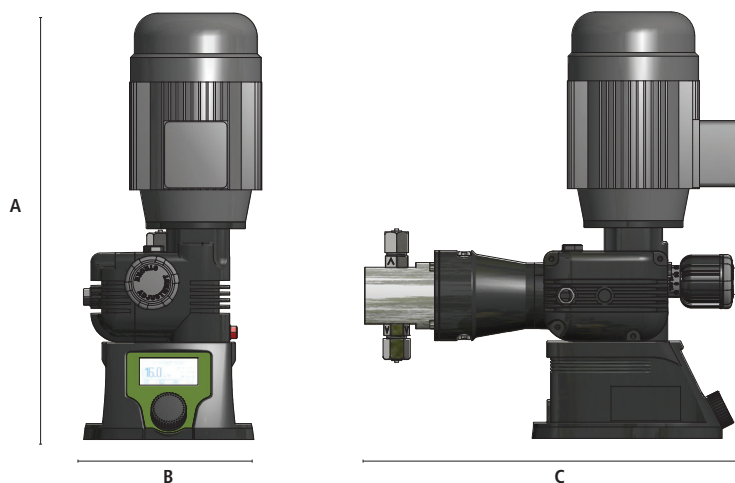
Stainless Steel pump does not fit installation kit.

PRIUS P MF							
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Dimensions

WEIGHTS AND DIMENSIONS ARE REFERRED TO MOTOR PUMPS WITH PP PUMP HEAD MOD.



DIMENSIONS (mm)	
	UM pump (PP)
A	450
B	200
C	420
D	420
E	200
F	140
G	160
Ø fixing holes	8

WEIGHT (kg)	
with PP pump head	16
with SS pump head	25

