



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

- Single or three phase motor power supply
- **Ceramic or Stainless Steel plunger**
- Aluminium enclosure
- Double ball check valve
- Tropicalized three-phase motors

Insulation class F
IE energy efficiency 1



Identification code

| | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|-----|---|---|---|-------|---|---|---|-----------|---|---|----------|---|---|---|---|
| CUSTOM. | | | | | | | | | | | | PACKAGING | | | INTERNAL | | | | |
| P | P | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 4 | D | V | 1 | 2 | 0 | 0 | N | 0 | 0 | 0 |
| BAR | | | | L/H | | | | COLOR | | | | | | | | | | | |

| CAPACITY | | | |
|----------|------------------|--------|------------------|
| 50 Hz | | 60 Hz | |
| 010024 | 24 l/h @ 10 bar | 010023 | 23 l/h @ 10 bar |
| 010013 | 13 l/h @ 10 bar | 010011 | 11 l/h @ 10 bar |
| 010010 | 10 l/h @ 10 bar | 010005 | 5 l/h @ 10 bar |
| 010005 | 5 l/h @ 10 bar | 010076 | 76 l/h @ 10 bar |
| 010080 | 80 l/h @ 10 bar | 010038 | 38 l/h @ 10 bar |
| 010043 | 43 l/h @ 10 bar | 010019 | 126 l/h @ 10 bar |
| 010032 | 32 l/h @ 10 bar | 010126 | 126 l/h @ 10 bar |
| 010016 | 16 l/h @ 10 bar | 010063 | 63 l/h @ 10 bar |
| 010130 | 130 l/h @ 10 bar | 010031 | 31 l/h @ 10 bar |
| 010070 | 70 l/h @ 10 bar | 010195 | 195 l/h @ 10 bar |
| 010052 | 52 l/h @ 10 bar | 010097 | 97 l/h @ 10 bar |
| 010026 | 26 l/h @ 10 bar | 010048 | 48 l/h @ 10 bar |
| 010210 | 210 l/h @ 10 bar | 010300 | 300 l/h @ 10 bar |
| 010113 | 113 l/h @ 10 bar | 010150 | 150 l/h @ 10 bar |
| 010084 | 84 l/h @ 10 bar | 010075 | 75 l/h @ 10 bar |
| 010042 | 42 l/h @ 10 bar | 007469 | 469 l/h @ 7 bar |
| 010320 | 320 l/h @ 10 bar | 007234 | 234 l/h @ 7 bar |
| 010172 | 172 l/h @ 10 bar | 007117 | 117 l/h @ 7 bar |
| 010128 | 128 l/h @ 10 bar | | |
| 010064 | 64 l/h @ 10 bar | | |
| 007508 | 508 l/h @ 7 bar | | |
| 007273 | 273 l/h @ 7 bar | | |
| 007203 | 203 l/h @ 7 bar | | |
| 007101 | 101 l/h @ 7 bar | | |

| MATERIAL pump head + plunger | |
|------------------------------|------------------------------|
| D | PP + CERAMIC (SIALOX 96) |
| E | SS (AISI316L) + SS (AISI420) |

| MOTOR | POWER SUPPLY | PHASE |
|-------|--------------------------------|---------|
| 1 | 0,18Kw 220-240/380-420 - 50 Hz | 3-PHASE |
| 2 | 0,37Kw 220-240/380-420 - 50 Hz | 3-PHASE |
| 3 | 0,18Kw 220/380 - 60 Hz | 3-PHASE |
| 4 | 0,37Kw 220/380 - 60 Hz | 3-PHASE |

| REDUCTION GEAR | |
|----------------|------|
| 1 | 8:1 |
| 2 | 15:1 |
| 4 | 20:1 |

| O RING | |
|--------|--------|
| V | FKM B |
| D | Dutral |
| W | WAX |

| 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 |

Motor driven plunger metering pump

"PRIUS P" SERIES - 50 Hz / 3-PHASE MOTOR

Features

- Aluminium enclosure
- Ceramic (SIALOX96) piston and PP pump head or SS (AISI420) pump head and piston
- Power supply: 220-240/380-420 V - Δ/Y connection
- 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 classII
- Pollution level2
- Audible noise.....78 dbA (± 5 dB)
- Protection degreeIP 55
- Max suction height3 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.

MOTORS

0,18 kW: 3-phase 230 V 1350 rpm

0,37 kW: 3-phase 230 V 1370 rpm

PRIUS P - PP PUMP HEAD



PRIUS P - SS PUMP HEAD



Motor driven plunger metering pump

PRIUS P WITH PP PUMP HEAD AND CERAMIC PLUNGER
50 HZ / 3-PHASE MOTOR

| PRIUS P 50 Hz | | | | | | | | |
|---------------|--------------------|---------------|-----------|--------------|--------------|---------|------------------------|------------------|
| stroke length | PLUNGER diam. (mm) | PRIUS P 50 Hz | Stroke/1' | Pressure bar | Capacity l/h | Motor | HOSES CONNECTION PP | INSTALLATION KIT |
| 15 mm | 14 | 010024 | 175 | 10 | 24 | 0,18 kW | G1/2" 12x18 | A |
| | | 010013 | 94 | | 13 | | | |
| | | 010010 | 70 | | 10 | | | |
| | | 010005 | 35 | | 5 | | | |
| | 25 | 010080 | 175 | 10 | 80 | 0,18 kW | G1/2" 12x18 | A |
| | | 010043 | 94 | | 43 | | | |
| | | 010032 | 70 | | 32 | | | |
| | | 010016 | 35 | | 16 | | | |
| | 32 | 010130 | 175 | 10 | 130 | 0,18 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

C. INSTALLATION KIT (OPTION)

- 1 1/2" foot filter with 32 mm (int. diam.) hose fitting (G1 1/2" - 32 mm)
- 1 1/2" injection valve

Motor driven plunger metering pump

**PRIUS P WITH SS PUMP HEAD AND PLUNGER
50 HZ / 3-PHASE MOTOR**

Stainless Steel pump does not fit installation kit.

| PRIUS P 50 Hz | | | | | | | |
|---------------|-----------------------|---------------|-----------|-----------------|-----------------|---------|---------------------|
| stroke length | PLUNGER diam. (mm) | PRIUS P 50 Hz | Stroke/1' | Pressure bar | Capacity l/h | Motor | HOSES CONNECTION |
| | | | | | | | SS |
| 15 mm | 14 | 010024 | 175 | 10 | 24 | 0,18 kW | R1/2" |
| | | 010013 | 94 | | 13 | | |
| | | 010010 | 70 | | 10 | | |
| | | 010005 | 35 | | 5 | | |
| | 25 | 010080 | 175 | 10 | 80 | 0,18 kW | R1/2" |
| | | 010043 | 94 | | 43 | | |
| | | 010032 | 70 | | 32 | | |
| | | 010016 | 35 | | 16 | | |
| | 32 | 010130 | 175 | 10 | 130 | 0,18 kW | R1/2" |
| | | 010070 | 94 | | 70 | | |
| | | 010052 | 70 | | 52 | | |
| | | 010026 | 35 | | 26 | | |
| | 40 | 010210 | 175 | 10 | 210 | 0,37 kW | R3/4" |
| | | 010113 | 94 | | 113 | | |
| | | 010084 | 70 | | 84 | | |
| | | 010042 | 35 | | 42 | | |
| | 50 | 010320 | 175 | 10 | 320 | 0,37 kW | R3/4" |
| | | 010172 | 94 | | 172 | | |
| | | 010128 | 70 | | 128 | | |
| | | 010064 | 35 | | 64 | | |
| | 63 | 007508 | 175 | 7 | 508 | 0,55 kW | R1" |
| | | 007273 | 94 | | 273 | 0,37 kW | |
| | | 007203 | 70 | | 203 | | |
| | | 007101 | 35 | | 101 | | |

Motor driven plunger metering pump

PRIUS P WITH PP PUMP HEAD AND CERAMIC PLUNGER 60 HZ / 3-PHASE MOTOR

| PRIUS P 60 Hz | | | | | | | | |
|---------------|--------------------|---------------|-----------|--------------|--------------|---------|---------------------|------------------|
| stroke length | PLUNGER diam. (mm) | PRIUS P 60 Hz | Stroke/1' | Pressure bar | Capacity l/h | Motor | HOSES CONNECTION PP | INSTALLATION KIT |
| 15 mm | 14 | 010023 | 175 | 10 | 23 | 0,18 kW | G1/2" 12x18 | A |
| | | 010011 | 87 | | 11 | | | |
| | | 010005 | 44 | | 5 | | | |
| | 25 | 010076 | 175 | 10 | 76 | 0,18 kW | G1/2" 12x18 | A |
| | | 010038 | 87 | | 38 | | | |
| | | 010019 | 44 | | 19 | | | |
| | 32 | 010126 | 175 | 10 | 126 | 0,18 kW | G1/2" 12x18 | A |
| | | 010063 | 87 | | 63 | | | |
| | | 010031 | 44 | | 31 | | | |
| | 40 | 010195 | 175 | 10 | 195 | 0,37 kW | G3/4" d.i. 18 mm | B |
| | | 010097 | 87 | | 97 | | | |
| | | 010048 | 44 | | 48 | | | |
| | 50 | 010300 | 175 | 10 | 300 | 0,37 kW | G3/4" d.i. 18 mm | B |
| | | 010150 | 87 | | 150 | | | |
| | | 010075 | 44 | | 75 | | | |

PRIUS P WITH SS PUMP HEAD AND PLUNGER 60 HZ / 3-PHASE MOTOR

| PRIUS P 60 Hz | | | | | | | |
|---------------|-----------------------|---------------|-----------|-----------------|-----------------|---------|---------------------|
| stroke length | PLUNGER diam. (mm) | PRIUS P 60 Hz | Stroke/1' | Pressure bar | Capacity l/h | Motor | HOSES CONNECTION |
| | | | | | | | SS |
| 15 mm | 14 | 010023 | 175 | 10 | 23 | 0,18 kW | R1/2" |
| | | 010011 | 87 | | 11 | | |
| | | 010005 | 44 | | 5 | | |
| | 25 | 010076 | 175 | 10 | 76 | 0,18 kW | R1/2" |
| | | 010038 | 87 | | 38 | | |
| | | 010019 | 44 | | 19 | | |
| | 32 | 010126 | 175 | 10 | 126 | 0,18 kW | R1/2" |
| | | 010063 | 87 | | 63 | | |
| | | 010031 | 44 | | 31 | | |
| | 40 | 010195 | 175 | 10 | 195 | 0,37 kW | R3/4" |
| | | 010097 | 87 | | 97 | | |
| | | 010048 | 44 | | 48 | | |
| | 50 | 010300 | 175 | 10 | 300 | 0,37 kW | R3/4" |
| | | 010150 | 87 | | 150 | | |
| | | 010075 | 44 | | 75 | | |
| | 63 | 007469 | 175 | 7 | 469 | 0,55 kW | R1" |
| | | 007234 | 87 | | 234 | 0,37 kW | |
| | | 007117 | 44 | | 117 | | |