PRIUS P

Motor driven plunger metering pump

Data Sheet

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
- Liquid ends available in different sizes and materials

Identification code

CIRCUIT | CUSTOM. | PACKAGING | INTERNAL

P	P	0	0	0	1	0	0	2	4	A	C	1	2	0	0	N	0	0	0

BAR | L/H | COLOR

CAPACITY	
50 Hz	
010024	24 l/h @ 10 bar
010013	13 l/h @ 10 bar
010010	10 l/h @ 10 bar
010080	80 l/h @ 10 bar
010043	43 l/h @ 10 bar
010032	32 l/h @ 10 bar
010130	130 l/h @ 10 bar
010070	70 l/h @ 10 bar
010052	52 l/h @ 10 bar
010210	210 l/h @ 10 bar
010113	113 l/h @ 10 bar
010084	84 l/h @ 10 bar
010320	320 l/h @ 10 bar
010172	172 l/h @ 10 bar
010128	128 l/h @ 10 bar

PLUNGER DIAMETER	
A	14 mm
B	25 mm
C	32 mm
D	40 mm
E	50 mm

	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

REDUCTION GEAR	
1	8:1

PLUNGER MATERIAL	
C	Ceramic (SIALOX 96)
A	SS (AISI316)

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" SERIES - 50 Hz / 3-PHASE MOTOR

Features

- Aluminium enclosure (epoxy coating)
- Ceramic (SIALOX96) or stainless steel (AISI316) plunger
- 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 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.

MOTORS

0,18 kW: 3-phase 0,18KW 1350G
0,37 kW: 3-phase 0,37KW 230/400V 1400G

PRIUS P - PP PUMP HEAD

PRIUS P - SS PUMP HEAD

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PRIUS - 50 Hz

Power supply..... 220-240/380-420 V - Δ/Y

PRIUS P 50 Hz / 3-PHASE MOTOR								
LENGHT	PRIUS P	stroke/1'	Pressure bar	Capacity l/h	Motor	HOSES CONNECTION		PLUNGER
						SS	PP	Diameter (mm)
15 mm	010024	175	10	24	0,18 kW	R1/2"	G1/2" 12x18	14
	010013	94		13				
	010010	70		10				
	010080	175	10	80		R1/2"	G1/2" 12x18	25
	010043	94		43				
	010032	70		32				
	010130	175	10	130		R1/2"	G1/2" 12x18	32
	010070	94		70				
	010052	70		52				
	010210	175	10	210	0,37 kW	R3/4"	G3/4" i.d. 18 mm	40
	010113	94		113				
	010084	70		84				
	010320	175	10	320		R3/4"	G3/4" i.d. 18 mm	50
	010172	94		172				
	010128	70		128				

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Specifications subject to change without notice.

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