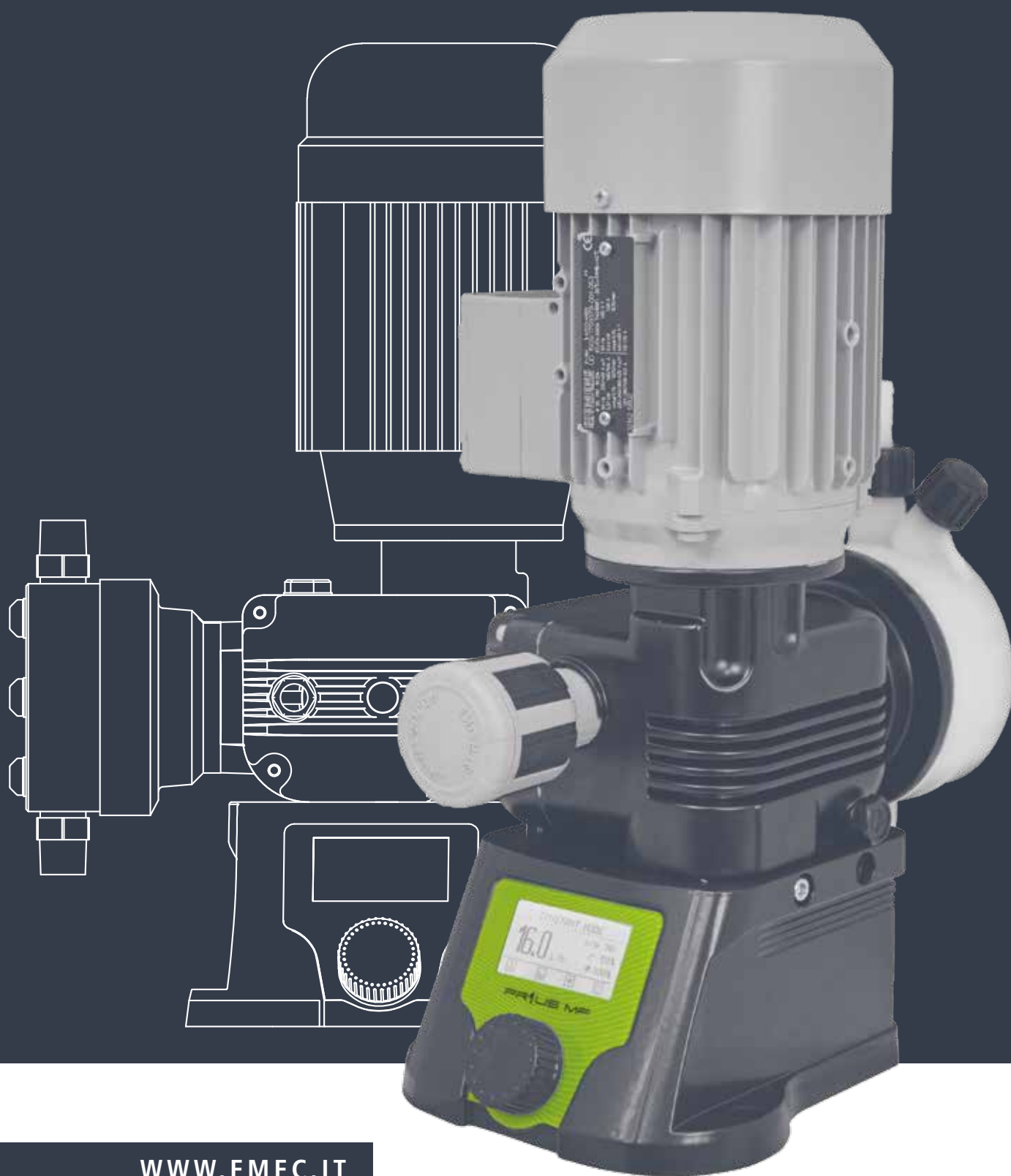
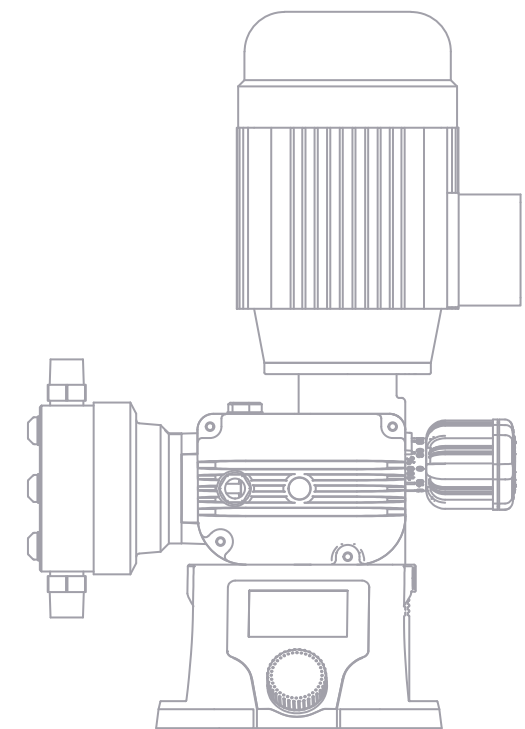


EMEC



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PR1US



PR1US

EMEC

Chemical dosing and control equipments



EMEC

Chemical dosing and control equipments



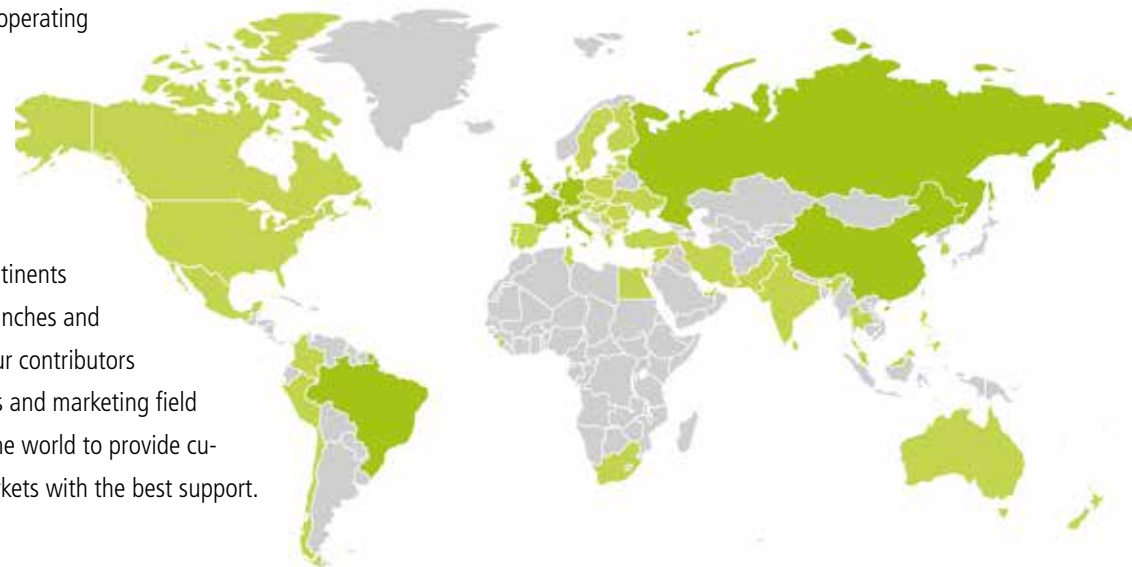
MADE IN ITALY

All our products
are manufactured
in our factory in Italy.

EMEC WORLDWIDE

Always near to our customers

EMEC is a family-run company with a global nature, operating worldwide to serve and help our customers in many countries. We are in all continents with 7 EMEC branches and many dealers. Our contributors work in our sales and marketing field offices all over the world to provide customers and markets with the best support.



CONSTANLY EVOLVING

Since 1982 industrial footing has bred constant improvements in all our products, expanding range and functions. Our range of products is currently implemented in a broad range of settings:

- Swimming Pools
- Prevention Of Legionellosis
- Oil Industry
- Chemical Industry
- Food Industry
- Beverage Industry
- Aquariums & Zoos
- Hotels & Resorts
- Spas
- Industrial Water Treatment
- Potable Water Treatment
- Hospitals
- Cooling Towers
- Fertigation
- Car Wash
- Breeding

DISCOVER EMEC

THIRTY YEARS OF LEADERSHIP

EMEC ranks among Italy's top, consolidated industrial actors in the field of electronic control systems for fluids metering and management applications. Our products are designed and manufactured for both industrial and small-scale applications. We are an all-Italian business entity with a clear strategic outlook, right from the outset, striving to merge design innovation with a long-term industrial footing. Our high-precision, hi-reliability products are entirely designed and assembled at our Rieti facilities. EMEC's reputation as a market leader is expanding both in Italy and internationally, boosting demand for our quality, Italian designer products.

QUALITY FIRST

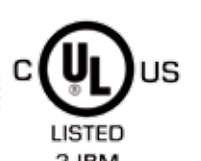
Our products are supported by passion and a solid industrial background. At EMEC, we have always sought to identify and seize investment opportunities, committing our resources to technology and human resources. That key to our success - and what sets us apart from market competitors - is our complete control of the production cycle, reliant on specialist business set-ups and resources. Our approach feeds into all aspect ahead of end product delivery: systems design, component production and assembly, software programming and final testing. In line with total quality commitments, we provide installation and maintenance specialists with up-to-date training for both our household and industrial products. Our retail and commercial units operate with a technical mindset, encompassing a firm grounding in all aspects of design and production; as such, they stimulate product innovation and enhancements based on Customer requirements, feedback and field experience. That approach makes us ideal partners when it comes to delivering targeted solutions to specific requirements. Our claims are anything but overstated: complete control, to us, is the only viable approach to ensuring total product quality and effective service delivery.

SUSTAINABILITY

Respecting and safeguarding the environment are the core values underpinning our business. In keeping with that commitment we engage in and promote all actions designed to curb the environmental impact of our processes, products and raw materials, on a life-cycle basis. Our company implements an Environmental Management System compliant with UNI EN ISO 14001 standards, subject to ongoing updates. Our goal is to curb atmospheric emissions, rationalise water consumption and enact appropriate waste management policies. Environmental impact assessments cover new products, process innovations and public tenders. We are committed to providing our employees and staff with appropriate information and training concerning our company policy and its implementation with respect to both the workplace and our products.

CERTIFIED SKILLS AND VALUES

EMEC's values and reliability are the result of a long-standing commitment to quality and detail. We testify to that commitment through ongoing human resources training, rigorous abidance by production benchmarks, and concerted efforts to curb all employee health hazards. Our pledge is a firm one and is backed by our policy implementation and investment goals. Our global quality approach matches our market standing and is certified by the world's leading certification institutes.



PRIUS

ALL THE POWER YOU NEED

From the beginning, we decided to meet any dosing needs, even the most extreme. Exactly from this idea originates the series of motor driven pumps PRIUS, entirely designed and developed by EMEC to comply with any need of a higher dosage, with a range of 12 models.

POWER AND ACCURACY

The series of motors available for the PRIUS allows a wide range of flow rates, from a few liters up to over 1000 liters per hour, and a working pressure which can reach up to 100 bar, while maintaining at the same time, thanks to the quality of design and construction gained by EMEC in more than 30 years of research and development, the steady and absolute accuracy in dosage distinguishing of all our products.

RESISTANCE AND SAFETY

To succeed in combining power and accuracy in every situation of use is also possible thanks to a high degree of resistance and versatility. The possibility to choose between models with PTFE diaphragm and models with ceramic or SS plunger, together with liquid ends available in different materials and sizes to choose, makes motor driven pumps PRIUS able to meet any need of use and to result safe and resistant according to the nature of the substance to dose: from very viscous liquids to particularly aggressive chemical agents, from acidic solutions to basic, up to solvents and polymers.

CONTROL AND MANAGEMENT

Mechanical regulation of desired flow rate of PRIUS pumps is possible thanks to the specific knob. However, for higher management needs, EMEC also created the revolutionary series of multifunction motor driven

pumps PRIUS MF. A completely new level of accuracy in dosing control and regulation is ensured by the encoder electronic control, already used successfully in all our control instruments, the LCD display, permitting an easy and precise reading of all the data, and above all by the possibility to set up PRIUS MF with 7 different working modes. The maximum level of control is also ensured by the integration with our exclusive remote management system ERMES, that allows monitoring of the PRIUS MF pumps from everywhere and in every moment. Furthermore, through the Modbus (RS485) electronic module you can combine MF pumps with other instruments and manage everything through PLC (Programmable Logic Controller).

RELIABILITY AND EFFICIENCY

The great resistance and strength of PRIUS motor driven pumps ensure a high degree of efficiency and reliability, constant over time, with minimal servicing needs and a particularly long operating life. Lastly, PRIUS MF can comply with any situation by rotating the pump body by 90° over the electronic unit. The top qualities of power and accuracy in dosing, combined with the great reliability and the great versatility of the available models, make the motor driven pumps of PRIUS series suitable for a wide range of applications: from potable water facilities to treatment of water resulting from industrial activities, in purification systems and in food industry as well as in chemical industry. Wherever a top-level dosing system is required, PRIUS is the best answer.



DISCOVER
PRIUS ON OUR WEBSITE

PRIUS D MF



PRIUS D MF
50/60 Hz SINGLE-PHASE



PRIUS D MF
HIGH PRESSURE 50/60 Hz 1-PHASE



PRIUS D
50 Hz 3-PHASE



PRIUS D
HIGH PRESSURE 50 Hz 3-PHASE



PRIUS D
60 Hz 3-PHASE



PRIUS D
HIGH PRESSURE 60 Hz 3-PHASE



PRIUS D
50 Hz SINGLE-PHASE



PRIUS D ATEX
50 Hz 3-PHASE



PRIUS D ATEX
60 Hz 3-PHASE



PRIUS P MF
50/60 Hz SINGLE-PHASE



PRIUS P
50 Hz 3-PHASE



PRIUS P
60 Hz 3-PHASE



PRIUS

MODELS

DIAPHRAGM

DIGITAL

- 11 PRIUS D MF - 50/60 Hz SINGLE-PHASE
MultiFunction electronic control
- 13 PRIUS D MF - HIGH PRESSURE 50/60 Hz 1-PHASE
MultiFunction electronic control

MANUAL

- 15 PRIUS D - 50 Hz 3-PHASE
- 17 PRIUS D - HIGH PRESSURE 50 Hz 3-PHASE
- 19 PRIUS D - 60 Hz 3-PHASE
- 21 PRIUS D - HIGH PRESSURE 60 Hz 3-PHASE
- 23 PRIUS D - 50 Hz SINGLE-PHASE
- 25 PRIUS D ATEX - 50 Hz 3-PHASE
- 27 PRIUS D ATEX - 60 Hz 3-PHASE

PLUNGER

DIGITAL

- 29 PRIUS P MF - 50/60 Hz SINGLE-PHASE
MultiFunction electronic control

MANUAL

- 31 PRIUS P - 50 Hz 3-PHASE
- 33 PRIUS P - 60 Hz 3-PHASE

FEATURES

- Multifunction motor pump with inverter
- Working mode: Constant, ppm, %, mlq, pause-work, weekly, mA, Volt and Batch
- Level control
- Alarms
- Stand-by
- Double position of the electronic unit (default or alternative gear box position)
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Manual degassing valve (PVDF and PP pump heads)
- Stroke adjustment
- Liquid ends available in different sizes and materials
- Double ball check valve

PUMPS HEADS



PVDF



PP



AISI 316L

pump head mod.	stroke lenght	PRIUS D MF	SPM	Pressure		Capacity		Motor	HOSES CONNECTION		
				bar	psi	l/h	gph		PVDF	SS	PP
NM	3 mm	010060	175	10	145	60	15,8	0,18 kW	1/2" 13 mm (i.d.)	R1/2" G1/2"	1/2" 13 mm (i.d.)
		010030	94			30	7,9				
		010024	70			24	6,3				
		010012	35			12	3,2				
	4 mm	010016	35	10	145	16	4,2	0,18 kW	1/2" 13 mm (i.d.)	R1/2" G1/2"	1/2" 13 mm (i.d.)
TM	3 mm	010105	175	10	145	105	27,7	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		010056	94			56	14,8				
		010042	70			42	11,1				
		010021	35			21	5,5				
	4 mm	007160	175	7	101,5	160	42,3	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		007086	94			86	22,7				
		007064	70			64	16,9				
		007032	35			32	8,5				
	6 mm	005240	175	5	72,5	240	63,4	0,37 kW	3/4" 18 mm (i.d.)	R3/4" G3/4"	3/4" 18 mm (i.d.)
		005128	94			128	33,8				
		005096	70			96	25,4				
		005048	35			48	12,7				
UM	4 mm	005350	175	5	72,5	350	92,4	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005188	94			188	49,7				
		005140	70			140	37				
		005070	35			70	18,5				
	5 mm	005440	175	5	72,5	440	116,2	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005236	94			236	62,3				
		005176	70			176	46,5				
		005088	35			88	23,2				
	6 mm	005530	175	5	72,5	530	140	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005284	94			284	75				
		005212	70			212	56				
		005106	35			106	28				
	10 mm	003M00	175	3	43,5	1000	264,1	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
	8 mm	003750	175			750	198,1				

MOTOR

0,18 kW: 3-phase 230 V
0,37 kW: 3-phase 230 V

PRIUS D MF 50/60 Hz SINGLE-PHASE

Multifunction electronic control

PRIUS D MF 50 Hz with SINGLE-PHASE supply has: 9 working modes (constant, ppm, %, mlq, pause-work, weekly, mA, Volt and Batch), level control, alarms, stand-by, double position of the electronic unit (standard or rotated mounting), **PTFE diaphragm**, aluminium enclosure, spring return mechanism, manual degassing valve (PVDF and PP pump heads), stroke adjustment, double ball check valve and liquid ends available in different sizes and materials. **PVDF**, **Stainless Steel** or **PP** pump heads available. Multifunction motor pump PRIUS D MF 50 Hz SINGLE-PHASE brings, moreover, a unique level of management thanks to **LCD display** and **encoder** electronic controller that ensure the highest accuracy in dosage setting.

ALTERNATIVE GEAR BOX POSITION



DEFAULT GEAR BOX POSITION



FEATURES

- Multifunction motor driven high pressure pump with inverter
- Working mode: Constant, ppm, %, mlq, pause-work, weekly, mA, Volt and Batch
- Level control
- Alarms
- Stand-by
- Double position of the electronic unit (default or alternative gear box position)
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Stroke adjustment
- Double ball check valve

PUMPS HEADS



AISI 316L

pump head mod.	stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
L1	1.5 mm	100004	175	100	1450,4	4	1,1	0,37 kW	3/8"
		100002	94			2	0,5		
		1001,5	70			1,5	0,4		
M1	2 mm	060017	175	60	870,2	17	4,5	0,37 kW	1/2"
		060009	94			9	2,4		
		060005	70			5	1,3		
N	2 mm	040028	175	40	580,1	28	7,4	0,37 kW	1/2"
		040015	94			15	4		
		040010	70			10	2,6		
S	4 mm	030076	175	30	435,1	76	20,1	0,37 kW	1/2"
		030041	94			41	10,8		
		030030	70			30	7,9		
T	6 mm	020146	175	20	290,1	146	38,6	0,37 kW	3/4"
		020078	94			78	20,6		
		020057	70			57	15,1		

MOTOR
0,37 kW: 3-PHASE MOTOR 230 V

PRIUS D MF
HIGH PRESSURE 50 Hz 1-PHASE

Multifunction electronic control

PRIUS D MF 50 Hz for HIGH PRESSURE with 1-PHASE supply has: 9 working modes (constant, ppm, %, mlq, pause-work, weekly, mA, Volt and Batch), level control, alarms, stand-by, double position of the electronic unit (standard or rotated mounting), **PTFE diaphragm**, **SS** pump head, aluminium enclosure, spring return mechanism, stroke adjustment and double ball check valve. Multifunction motor pump PRIUS D MF 50 Hz HIGH PRESSURE SINGLE-PHASE brings, moreover, a unique level of management thanks to **LCD display** and **encoder** electronic controller that ensure the highest accuracy in dosage setting.

ALTERNATIVE GEAR BOX POSITION



DEFAULT GEAR BOX POSITION



FEATURES

- 3-phase motor
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Manual degassing valve (PVDF and PP pump heads)
- Double ball check valve
- Stroke adjustment
- Liquid ends available in different sizes and materials

PUMPS HEADS



PVDF



PP



AISI 316L

pump head mod.	stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION		
				bar	psi	l/h	gph		PVDF	SS	PP
NM	3 mm	010060	175	10	145	60	15,8	0,18 kW	1/2" 13 mm (i.d.)	R1/2" G1/2"	1/2" 13 mm (i.d.)
		010030	94			30	7,9				
		010024	70			24	6,3				
		010012	35			12	3,2				
	4 mm	010016	35	10	145	16	4,2	0,18 kW	1/2" 13 mm (i.d.)	R1/2" G1/2"	1/2" 13 mm (i.d.)
TM	3 mm	010105	175	10	145	105	27,7	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		010056	94			56	14,8				
		010042	70			42	11,1				
		010021	35			21	5,5				
	4 mm	007160	175	7	101,5	160	42,3	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		007086	94			86	22,7				
		007064	70			64	16,9				
		007032	35			32	8,5				
	6 mm	005240	175	5	72,5	240	63,4	0,37 kW	3/4" 18 mm (i.d.)	R3/4" G3/4"	3/4" 18 mm (i.d.)
		005128	94			128	33,8				
		005096	70			96	25,4				
		005048	35			48	12,7				
UM	4 mm	005350	175	5	72,5	350	92,4	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005188	94			188	49,7				
		005140	70			140	37				
		005070	35			70	18,5				
	5 mm	005440	175	5	72,5	440	116,2	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005236	94			236	62,3				
		005176	70			176	46,5				
		005088	35			88	23,2				
	6 mm	005530	175	5	72,5	530	140	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005284	94			284	75				
		005212	70			212	56				
		005106	35			106	28				
	10 mm	005M00	175	5	72,5	1000	264,1	0,55 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
	8 mm	005750	175			750	198,08				
	10 mm	003M00	175	3	43,5	1000	264,1	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		003750	175			750	198,08				

MOTORS

0,18 kW: 3-PHASE MOTOR 230-400 V
0,37 kW: 3-PHASE MOTOR 230-400 V
0,55 kW: 3-PHASE MOTOR 230-400 V

PRIUS D 50 Hz 3-PHASE

PRIUS D 50 Hz with 3-PHASE motor has: **PTFE diaphragm**, aluminium enclosure, spring return mechanism, manual degassing valve (PVDF and PP pump heads), stroke adjustment, double ball check valve and liquid ends available in different sizes and materials. **PVDF, Stainless Steel** or **PP** pump heads available.



FEATURES

- 3-phase motor driven high pressure pump
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Stroke adjustment
- Double ball check valve

pump head mod.	stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
L1	1.5 mm	100004	175	100	1450,4	4	1,1	0,37 kW	3/8"
		100002	94			2	0,5		
		1001,5	70			1,5	0,4		
M1	2 mm	060017	175	60	870,2	17	4,5	0,37 kW	1/2"
		060009	94			9	2,4		
		060005	70			5	1,3		
N	2 mm	040028	175	40	580,1	28	7,4	0,37 kW	1/2"
		040015	94			15	4		
		040010	70			10	2,6		
S	4 mm	030076	175	30	435,1	76	20,1	0,37 kW	1/2"
		030041	94			41	10,8		
		030030	70			30	7,9		
T	6 mm	020146	175	20	290,1	146	38,6	0,37 kW	3/4"
		020078	94			78	20,6		
		020057	70			57	15,1		

PUMPS HEADS



AISI 316L

MOTOR
0,37 kW: 3-PHASE MOTOR 230-400 V

PRIUS D
HIGH PRESSURE 50 Hz 3-PHASE

PRIUS D 50 Hz for HIGH PRESSURE with 3-PHASE motor has: PTFE diaphragm, SS pump head, aluminium enclosure, spring return mechanism, stroke adjustment and double ball check valve.



FEATURES

- 3-phase motor
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Manual degassing valve (PVDF and PP pump heads)
- Double ball check valve
- Stroke adjustment
- Liquid ends available in different sizes and materials

PUMPS HEADS



PVDF



PP



AISI 316L

MOTOR

0,18 kW: 3-phase 460 V
0,37 kW: 3-phase 460 V

pump head mod.	stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION		
				bar	psi	l/h	gph		PVDF	SS	PP
NM	3 mm	010055	175	10	145	55	14,5	0,18 kW	1/2" 13 mm (i.d.)	R1/2" G1/2"	1/2" 13 mm (i.d.)
		010027	87			27	7,1				
		010014	44			14	3,7				
TM	3 mm	010100	175	10	145	100	26,4	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		010050	87			50	13,2				
		010025	44			25	6,6				
	4 mm	007150	175	7	101,5	150	39,6	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		007075	87			75	19,8				
		007037	44			37	9,8				
	6 mm	005230	175	5	72,5	230	60,7	0,37 kW	3/4" 18 mm (i.d.)	R3/4" G3/4"	3/4" 18 mm (i.d.)
		005115	87			115	30,4				
		005057	44			57	15,1				
UM	4 mm	005335	175	5	72,5	335	88,5	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005165	87			165	43,6				
		005084	44			84	22,2				
	5 mm	005420	175	5	72,5	420	110,9	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005210	87			210	55,5				
		005105	44			105	27,7				
	6 mm	005505	175	5	72,5	505	133,4	0,37 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005250	87			250	66				
		005126	44			126	33,3				

PRIUS D 60 Hz 3-PHASE

PRIUS D 60 Hz with 3-PHASE motor has: **PTFE diaphragm**, aluminium enclosure, spring return mechanism, manual degassing valve (PVDF and PP pump heads), stroke adjustment, double ball check valve and liquid ends available in different sizes and materials. **PVDF, Stainless Steel** or **PP** pump heads available.



FEATURES

- 3-phase motor driven high pressure pump
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Stroke adjustment
- Double ball check valve

pump head mod.	stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
L1	1.5 mm	100003	175	100	1450,4	3	0,8	0,37 kW	3/8"
		1001,5	87			1,5	0,4		
M1	2 mm	060014	175	60	870,2	14	3,7	0,37 kW	1/2"
		060007	87			7	1,8		
N	2 mm	040026	175	40	580,1	26	6,9	0,37 kW	1/2"
		040013	87			13	3,4		
S	4 mm	030072	175	30	435,1	72	19	0,37 kW	1/2"
		030036	87			36	9,5		
T	6 mm	020138	175	20	290,1	138	36,4	0,37 kW	3/4"
		020068	87			68	18		

PUMPS HEADS



AISI 316L

MOTOR
0,37 kW: 3-phase 460 V

PRIUS D
HIGH PRESSURE 60 Hz 3-PHASE

PRIUS D 60 Hz for HIGH PRESSURE with 3-PHASE motor has: PTFE diaphragm, SS pump head, aluminium enclosure, spring return mechanism, stroke adjustment and double ball check valve.



FEATURES

- Single-phase motor
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Manual degassing valve (PVDF and PP pump heads)
- Double ball check valve
- Stroke adjustment
- Liquid ends available in different sizes and materials

pump head mod.	stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION		
				bar	psi	l/h	gph		PVDF	SS	PP
NM	3 mm	010060	175	10	145	60	15,8	0,37 kW	1/2" 13 mm (i.d.)	R1/2" G1/2"	1/2" 13 mm (i.d.)
		010030	94			30	7,9				
		010024	70			24	6,3				
TM	3 mm	010105	175	10	145	105	27,7	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		010056	94			56	14,8				
		010042	70			42	11,1				
	4 mm	007160	175	7	101,5	160	42,3	0,37 kW	3/4" 13 mm (i.d.)	R3/4" G3/4"	3/4" 13 mm (i.d.)
		007086	94			86	22,7				
		007064	70			64	16,9				
	6 mm	005240	175	5	72,5	240	63,4	0,37 kW	3/4" 18 mm (i.d.)	R3/4" G3/4"	3/4" 18 mm (i.d.)
		005128	94			128	33,8				
		005096	70			96	25,4				
UM	4 mm	005350	175	5	72,5	350	92,4	0,55 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005188	94			188	49,7				
		005140	70			140	37				
	5 mm	005440	175	5	72,5	440	116,2	0,55 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005236	94			236	62,3				
		005176	70			176	46,5				
	6 mm	005530	175	5	72,5	530	140	0,55 kW	G1-1/2" 30 mm (i.d.)	R1"	G1-1/2" 30 mm (i.d.)
		005284	94			284	75				
		005212	70			212	56				

MOTORS

0,37 kW: SINGLE PHASE MOTOR 230 V
0,55 kW: SINGLE PHASE MOTOR 230 V

PRIUS D
50 Hz SINGLE-PHASE

PRIUS D 50 Hz with SINGLE-PHASE motor has: PTFE diaphragm, aluminium enclosure, spring return mechanism, manual degassing valve (PVDF and PP pump heads), stroke adjustment, double ball check valve and liquid ends available in different sizes and materials. PVDF, Stainless Steel or PP pump heads available.



PUMPS HEADS



PVDF



PP



AISI 316L

FEATURES

- 3-phase motor
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Double ball check valve
- Stroke adjustment
- Stainless steel liquid ends (AISI 316L)

PUMPS HEADS



AISI 316L

PRIUS D ATEX / GAS - 50 Hz 3-PHASE

pump head mod.	mm stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
NM	3 mm	010060	175	10	145	60	15,8	0,18 kW	R1/2" G1/2"
		010030	94			30	7,9		
		010024	70			24	6,3		
		010012	35			12	3,2		
TM	3 mm	010105	175	10	145	105	27,7	0,37 kW	R3/4" G3/4"
		010056	94			56	14,8		
		010042	70			42	11,1		
	4 mm	007160	175	7	101,5	160	42,3	0,37 kW	R3/4" G3/4"
		007086	94			86	22,7		
		007064	70			64	16,9		
	6 mm	005240	175	5	72,5	240	63,4	0,37 kW	R3/4" G3/4"
		005128	94			128	33,8		
		005096	70			96	25,4		

PRIUS D ATEX / DUST - 50 Hz 3-PHASE

pump head mod.	mm stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
NM	3 mm	010060	175	10	145	60	15,8	0,25 kW	R1/2" G1/2"
		010030	94			30	7,9		
		010024	70			24	6,3		
		010012	35			12	3,2		
TM	4 mm	010016	35	10	145	16	4,2	0,25 kW	R1/2" G1/2"
	3 mm	010105	175	10	145	105	27,7	0,37 kW	R3/4" G3/4"
		010056	94			56	14,8		
		010042	70			42	11,1		
	4 mm	007160	175	7	101,5	160	42,3	0,37 kW	R3/4" G3/4"
		007086	94			86	22,7		
		007064	70			64	16,9		
	6 mm	005240	175	5	72,5	240	63,4	0,37 kW	R3/4" G3/4"
		005128	94			128	33,8		
		005096	70			96	25,4		

ATEX

CE Ex II 2 G c IIB T3, T4

CE Ex II 2 D IIIC T125°C, resp T135°C

MOTORS

0,18 kW: 3-PHASE MOTOR 220-240/380-420 V

0,25 kW: 3-PHASE MOTOR 220-240/380-420 V

0,37 kW: 3-PHASE MOTOR 220-240/380-420 V

DIAPHRAGM

PRIUS D ATEX 50 Hz 3-PHASE

PRIUS D 50 Hz with 3-PHASE motor and ATEX certification has: **PTFE diaphragm**, aluminium enclosure, spring return mechanism, flow regulation, double ball check valve and liquid ends in **Stainless Steel** (AISI 316L).



FEATURES

- 3-phase motor
- PTFE diaphragm
- Aluminium enclosure
- Spring return mechanism
- Double ball check valve
- Stroke adjustment
- Stainless steel liquid ends (AISI 316L)

PUMPS HEADS



AISI 316L

ATEX



II 2 G c IIB T3, T4



II 2 D IIIC T125°C, resp T135°C

MOTORS

0,18 kW: 3-PHASE MOTOR 440-480 V

0,25 kW: 3-PHASE MOTOR 440-480 V

0,37 kW: 3-PHASE MOTOR 440-480 V

PRIUS D ATEX / GAS - 60 Hz 3-PHASE

pump head mod.	mm stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
NM	3 mm	010055	175	10	145	55	14,5	0,18 kW	R1/2" G1/2"
		010027	87			27	7,1		
TM	3 mm	010100	175	10	145	100	26,4	0,37 kW	R3/4" G3/4"
		010050	87			50	13,2		
	4 mm	007150	175	7	101,5	150	39,6	0,37 kW	R3/4" G3/4"
		007075	87			75	19,8		
	6 mm	005230	175	5	72,5	230	60,7	0,37 kW	R3/4" G3/4"
		005115	87			115	30,4		

PRIUS D ATEX / DUST - 60 Hz 3-PHASE

pump head mod.	mm stroke lenght	PRIUS D	SPM	Pressure		Capacity		Motor	HOSES CONNECTION
				bar	psi	l/h	gph		SS
NM	3 mm	010055	175	10	145	55	14,5	0,25 kW	R1/2" G1/2"
		010027	87			27	7,1		
TM	3 mm	010100	175	10	145	100	26,4	0,37 kW	R3/4" G3/4"
		010050	87			50	13,2		
	4 mm	007150	175	7	101,5	150	39,6	0,37 kW	R3/4" G3/4"
		007075	87			75	19,8		
	6 mm	005230	175	5	72,5	230	60,7	0,37 kW	R3/4" G3/4"
		005115	87			115	30,4		

PRIUS D ATEX
60 Hz 3-PHASE

PRIUS D 60 Hz with 3-PHASE motor and ATEX certification has: PTFE diaphragm, aluminium enclosure, spring return mechanism, stroke adjustment, double ball check valve and liquid ends in Stainless Steel (AISI 316L).



FEATURES

- Multifunction plunger pump with inverter
- Working mode: Constant, ppm, %, mlq, pause-work, weekly, mA, Volt and Batch
- Level control
- Alarms
- Stand-by
- Double position of the electronic unit (default or alternative gear box position)
- Ceramic plunger / Stainless steel (AISI 316L) plunger
- Aluminium enclosure
- Stroke adjustment
- Double ball check valve

PUMPS HEADS



PP

AISI 316L

WITH PP PUMP HEAD AND CERAMIC PLUNGER
WITH SS PUMP HEAD AND PLUNGER

LENGHT	PLUNGER	PRIUS P MF	SPM	Pressure		Capacity		Motor	HOSES CONNECTION	
				bar	psi	l/h	gph		PP	SS
15 mm	14	010024	175	10	145	24	6,3	0,18 kW	G1/2" 12x18	R1/2"
		010013	94			13	3,4			
		010010	70			10	2,6			
	25	010080	175	10	145	80	21,1	0,18 kW	G1/2" 12x18	R1/2"
		010043	94			43	11,4			
		010032	70			32	8,5			
	32	010130	175	10	145	130	34,3	0,18 kW	G1/2" 12x18	R1/2"
		010070	94			70	18,5			
		010052	70			52	13,7			
	40	010210	175	10	145	210	55,5	0,37 kW	G3/4" i.d. 18 mm	R3/4"
		010113	94			113	29,8			
		010084	70			84	22,2			
	50	010320	175	10	145	320	84,5	0,37 kW	G3/4" i.d. 18 mm	R3/4"
		010172	94			172	45,4			
		010128	70			128	33,8			

MOTORS

0,18 kW: 3-phase 230 V
0,37 kW: 3-phase 230 V

PRIUS P MF
50 Hz SINGLE-PHASE

Multifunction electronic control

PRIUS P MF 50 Hz with SINGLE-PHASE supply has: 9 working modes (constant, ppm, %, mlq, pause-work, weekly, mA, Volt and Batch), level control, alarms, stand-by, double position of the electronic unit (standard or rotated mounting), **ceramic** or **SS plunger**, aluminium enclosure, stroke adjustment and double ball check valve. Multifunction motor pump PRIUS P MF 50 Hz SINGLE-PHASE brings, moreover, a unique level of management thanks to **LCD display** and **encoder** electronic controller that ensure the highest accuracy in dosage setting.

SS PUMP HAED AND PLUNGER



PP PUMP HEAD AND CERAMIC PLUNGER



PRIUS P - 50 Hz 3-PHASE

PLUNGER

FEATURES

- 3-phase motor
- Ceramic plunger / Stainless steel (AISI 316L) plunger
- Aluminium enclosure
- Stroke adjustment

WITH PP PUMP HEAD AND CERAMIC PLUNGER
WITH SS PUMP HEAD AND PLUNGER

LENGHT	PLUNGER	PRIUS P	SPM	Pressure		Capacity		Motor	HOSES CONNECTION	
				bar	psi	l/h	gph		PP	SS
15 mm	14	010024	175	10	145	24	6,3	0,18 kW	G1/2" 12x18	R1/2"
		010013	94			13	3,4			
		010010	70			10	2,6			
	25	010080	175	10	145	80	21,1	0,18 kW	G1/2" 12x18	R1/2"
		010043	94			43	11,4			
		010032	70			32	8,5			
	32	010130	175	10	145	130	34,3	0,18 kW	G1/2" 12x18	R1/2"
		010070	94			70	18,5			
		010052	70			52	13,7			
	40	010210	175	10	145	210	55,5	0,37 kW	G3/4" i.d. 18 mm	R3/4"
		010113	94			113	29,8			
		010084	70			84	22,2			
	50	010320	175	10	145	320	84,5	0,37 kW	G3/4" i.d. 18 mm	R3/4"
		010172	94			172	45,4			
		010128	70			128	33,8			

PUMPS HEADS



PP



AISI 316L

MOTORS

0,18 kW: 3-phase 230/400 V
0,37 kW: 3-phase 230/400 V

PRIUS P
50 Hz 3-PHASE

PRIUS P 50 Hz with 3-PHASE motor has: ceramic or SS plunger, aluminium enclosure, stroke adjustment and double ball check valve.

SS PUMP HAED AND PLUNGER



PP PUMP HEAD AND CERAMIC PLUNGER



FEATURES

- 3-phase motor
- Ceramic plunger / Stainless steel (AISI 316L) plunger
- Aluminium enclosure
- Stroke adjustment

WITH PP PUMP HEAD AND CERAMIC PLUNGER										
WITH SS PUMP HEAD AND PLUNGER										
LENGHT	PLUNGER	PRIUS P	SPM	Pressure		Capacity		Motor	HOSES CON- NECTION	
				bar	psi	l/h	gph		PP	SS
15 mm	14	010024	175	10	145	24	6,3	0,18 kW	G1/2" 12x18	R1/2"
		010012	87			12	3,2			
	25	010080	175	10	145	80	21,1	0,18 kW	G1/2" 12x18	R1/2"
		010040	87			40	10,6			
	32	010130	175	10	145	130	34,3	0,18 kW	G1/2" 12x18	R1/2"
		010065	87			65	17,2			
	40	010210	175	10	145	210	55,5	0,37 kW	G3/4" i. d. 18 mm	R3/4"
		010105	87			105	27,7			
	50	010320	175	10	145	320	84,5	0,37 kW	G3/4" i. d. 18 mm	R3/4"
		010160	87			160	42,3			

PRIUS P
60 Hz 3-PHASE

PRIUS P 60 Hz with 3-PHASE motor has: ceramic or SS plunger, aluminium enclosure, stroke adjustment and double ball check valve.

PUMPS HEADS



PP

AISI 316L

MOTORS

0,18 kW: 3-PHASE MOTOR 460 V
0,37 kW: 3-PHASE MOTOR 460 V

SS PUMP HAED AND PLUNGER



PP PUMP HEAD AND CERAMIC PLUNGER



INSTALLATION KITS



ACCESSORIES



A. INSTALLATION KIT

included without extraprize

- 1/2" foot filter with 13 mm (int. diam.) hose fitting
- 3/4" injection valve
- PVDF delivery hose (13X16 PVDF or 12x18 PVC)
- PVDF suction hose (13X16 PVDF or 12x18 PVC)



B. INSTALLATION KIT

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



C. INSTALLATION KIT

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



- Delivery hose
18x22 PVDF

- Suction hose
18x25 PE



- Delivery hose
32x42 PVC (meshed)

- Suction hose
32x40 PVC (spiral hose)



PRESSURE / SECURITY VALVE

The pressure/security valve, directly controlled by the medium, is used in technical processing plants keep constant working pressures on the primary side. The pressure/security valve can also be used as an overflow valve to prevent pressure peaks. In this case, the pressure/security valve is fitted in a bypass line.

- Operating Pressure: 0,5-10 bar
- Opening Pressure: 0,3 bar



PULSATION DAMPENERS

SOIM2.5 - SOIM5

PVC pulsation dampener without membrane.

FKM B o-ring.

Available in 2,5 liter (SIOM2.5)
and 5 liter (SOIM5).



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