



CHARACTERISTICS

- Compact and versatile
- 10 pumping elements
- Flow rate

Multiline: 0.005 - 0.01 - 0.015 - 0.025 - 0.05cm³/cycle

Basic: 0,14 - 0,26 cm³/cycle

- Maximum operating pressure:

Multiline: 200 bar Basic: 280 bar

- Operating temperature:

-40 ÷ +60°C

- N°. outputs:

8 – Multiline

2 – Basic

- Reservoir: 1-2 kg

Lubricant:

Grease NLGI 000 ÷ 2

APPLICATIONS

- Earth-moving machines
- Machine tools
- Wind energy sector
- Small and medium lubrication systems

MULTI-OUTLET ELECTRIC GREASE PUMP



"FemtoPUMP" is a compact and versatile multi-outlet electric grease pump, ideal for small to medium sized lubrication systems.

It's made entirely of plastic, which makes it cost-competitive.

The application is suitable for both **direct use (Multiline**) and for use with **progressive dividers** (Basic).

In "Multiline" solutions are designed for use with eight pumping elements and provides lubrication directly to the end point.

The "Basic" systems are designed for use with two pumping elements and provides the proper amount of lubricant through the utilization of progressive dividers.

The pump is available in two versions, one utilizing a stirring paddle (both for 1Kg and for 2Kg) and the other incorporating a follower plate (1Kg).

- All versions (with follower plate or stirring paddle) include a minimum level sensor.
- The minimum level sensor is placed on the stirring paddle, which also acts as a mechanism that significantly reduces the accumulation of grease on the bottom of the tank.

BENEFITS:

- It can be configured in a variety of ways for different uses.
- Possibility to adapt the unit according to the application.
- Easy installation due to the small size.

FemtoPUMP





TECHNICAL CHARACTERISTICS

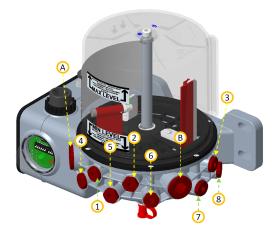
GENERAL TECHNICAL FEATURES						
Speed		RPM	17±4			
Flow rate:	Multi-line	cm³/cycle [in³/rev]	0.005 - 0.01 - 0.015 - 0.025 - 0.05 [0.0003 - 0.0006 - 0.0009 - 0.0015 - 0.003]			
			0,14-0,26 [0.0085 - 0.016]			
	Basic Reg.		0,02÷ 0,14 [0.0012 ÷ 0.0085]			
Maximum operating pressure	Multi-line Basic		200 [2900] 280 [4061]			
Number of outputs (pumping elements)	Multi-line Basic	No	8 2			
Supply connection (pumping output)	Multi-line Basic	Туре	G1/8" G1/4"			
Operating temperature		°C [°F]	-40 ÷ +60 [-40 ÷ +140]			
Reservoir capacity	Follower plate Stirring paddle	I N/I odical	1 [0.26]			
	Stirring paddle	[gal US]	2 [0.52]			
Lubricant		NLGI	Grease 000 ÷ 2			

FEMTO – MULTILINE AND PROGRESSIVE (BASIC)

BENEFITS OF PROGRESSIVE SYSTEM DROPSA

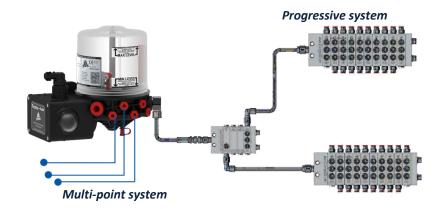
- Modular progressive system for excellent lubrication
- Ability to expand the system
- High accuracy
- Stainless steel
- Different progressive distributor for all needs
- SMX nP nPr+ SMP (Ref. DropsA documents progressive system SMX C2104PE nP C2213PE nPr+ C2220PE SMP C2071PE)

PUMPING ELEMENTS POSITION BASIC/MULTILINE

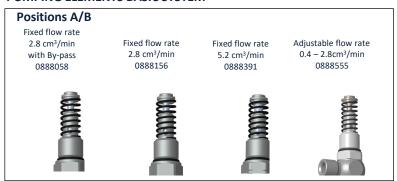


Note:

The control unit can be supplied with or without pumping elements using the codes shown in the ordering information.



PUMPING ELEMENTS BASIC SYSTEM



PUMPING ELEMENTS MULTILINE SYSTEM

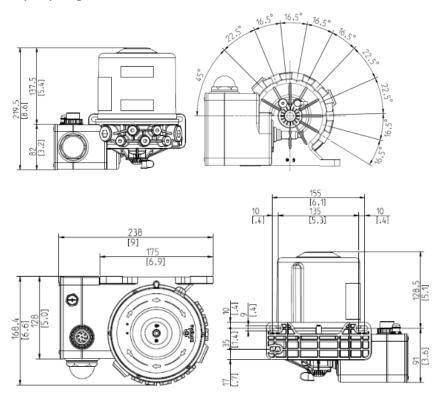




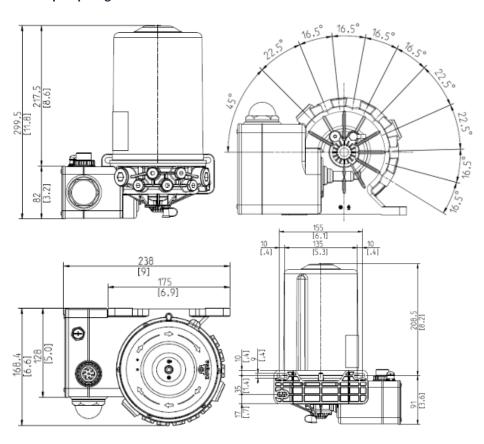


DIMENSIONS

Femto pump 1 Kg all versions



Femto pump 2 Kg all versions



FemtoPUMP





ORDERING INFORMATION

STANDARD PUMP (WITHOUT PUMPING ELEMENTS)

TYPE	VOLTAGE	TANK	MANUAL VERSION (Without Controller)	AUTOMATIC VERSION (With integrated Controller)
	12 VDC	1KG	0891111	0891131
		2KG	0891112	0891132
		4KG	0891114	0891134
		4LT	0891115	0891135
		1KG	0891113	0891133
		Version with follower		
Femto		plate disc		
remto	24 VDC	1KG	0891121	0891141
		2KG	0891122	0891142
		4KG	0891124	0891144
		4LT	0891125	0891145
		1KG	0891123	0891143
		Version with follower		
		plate disc		

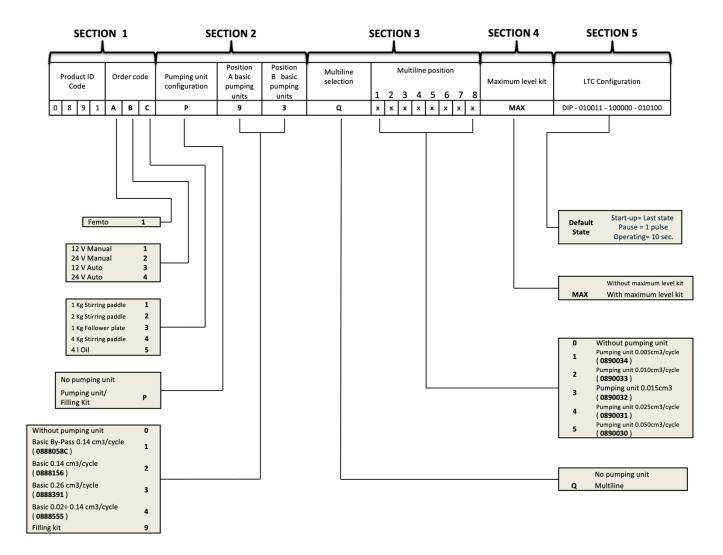
PUMPING CODES

PUMPING UNITS						
CODE	TYPE	FLOW RATE	NOTES	ID		
0888058C	BASIC	2.8cm ³ /min	Internal By-	1		
			pass			
0888156		2.8cm ³ /min	Without By-	2		
0888391		5.2cm ³ /min	pass	3		
0888555		0.4 - 2.8cm ³ /min	Adjustable	4		
0890034	MULTI-LINE	0.005 cm ³ /rev	1 notch	1		
0890033		0.010 cm ³ /rev	2 notches	2		
0890032		0.015 cm ³ /rev	3 notches	3		
0890031		0.025 cm ³ /rev	4 notches	4		
0890030		0.050 cm ³ /rev	5 notches	5		





PRE-CONFIGURATED PUMP



C2387PE WK 28/23 Dropsa products can be purchased at Dropsa branches and authorised distributors. Go to www.dropsa.com/contact or write to sales@dropsa.com

Distributor Info: