

# MEC

1000 - 1600 - 2000 - 3000  
4000 - 5000 - 6500 - 8000

Technical catalogue

Catalogo tecnico

Technischer Katalog



Battioni®  
Pagani

*Setting the pace since 1953*

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**Pagani**

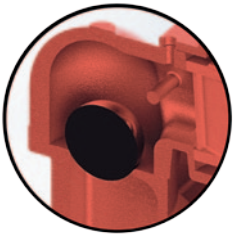
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**Predisposition for overpressure valve**

Predisposizione per valvola di sovrappressione  
Vorbereitung für Überdruckventil

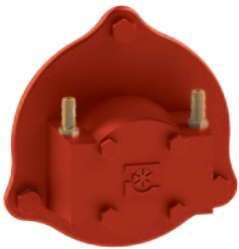
**Non-return check valve as standard**

Valvola di non ritorno di serie  
Kontrollventil als Serie



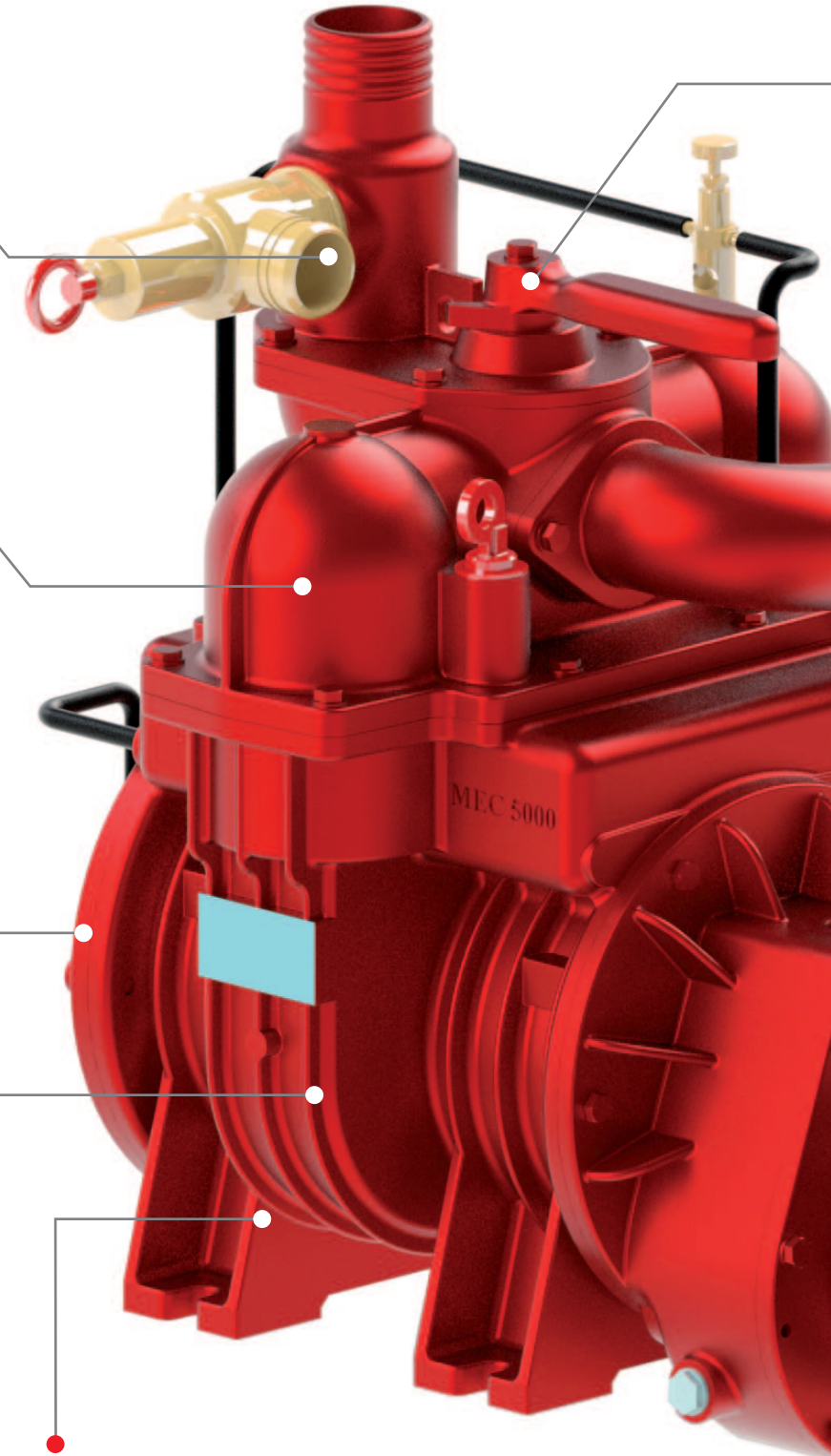
**Forced lubrication pump as standard  
(automatic lubrication on request)**

Pompa di lubrificazione forzata di serie  
(lubrificazione automatica a richiesta)  
Druckschmierung als Serie (Automatische  
Schmierung auf Anfrage)



**Long Life blades on request**

Palette Long Life resistenti al calore a richiesta  
Auf Anfrage hitzebeständigen Lamellen Long Life



**High wearing resistance thanks to cast-iron  
with high hardness**

Elevata resistenza ad usura grazie a ghisa ad  
alta durezza

Hohe Festigkeit zu Abnutzung für  
Gußeisen mit hohe Härte



**Cooling**



**AIR COOLED  
ROTARY VANES  
VACUUM/PRESSURE  
PUMP**



### Selector vacuum - pressure

- Selettore Vuoto - Pressione
- Wähler von Vakuum/Druck

### Blades inspection hole

- Foro ispezione palette
- Bohrung für Lamellen Prüfung



## VERSIONS



MEC - M



MEC - P



MEC - D



MEC - H

*MEC is the most copied pump at the world*



### MEC 1000/1600 – Light and compact design

The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments. Its light and compact design made MEC 1000/1600 the best vacuum pump for portable sanitation services and small vacuum tank for liquid applications.



### STANDARD FEATURES

- 4-ways valve, non-return check valve.
- Available hoses connections: Ø 27 mm / Ø 45 mm / G 1"
- Thread for Overpressure valve: Not available

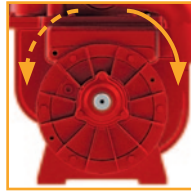
### VERSIONS

CCW as standard



**Version M**  
Splined shaft  
1"3/8 - Z6 ISO 500

CCW on request CW as standard



**Version P**  
Smooth Cylindrical shaft  
Ø 22, length 48 mm  
Parallel key UNI 6604

### TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar (PSI)	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg	
	m³/h	l/min	cfm	M	P					M	P
MEC 1000	75,6	1260	45	600	1400	2,5 (36)	89% (26,3")	60% (18")	3,5 (4,7)	40	34
MEC 1600	118,8	1980	70	600	1400	2,5 (36)	89% (26,3")	60% (18")	4,5 (6)	48	42

### OPTIONALS



**Long Life Blades**



**Automatic Lubrication**  
Single lubrication point



**Battioni Vacuum Pump Oil**  
Code 5070200100



**Customized Painting**



## ACCESSORIES



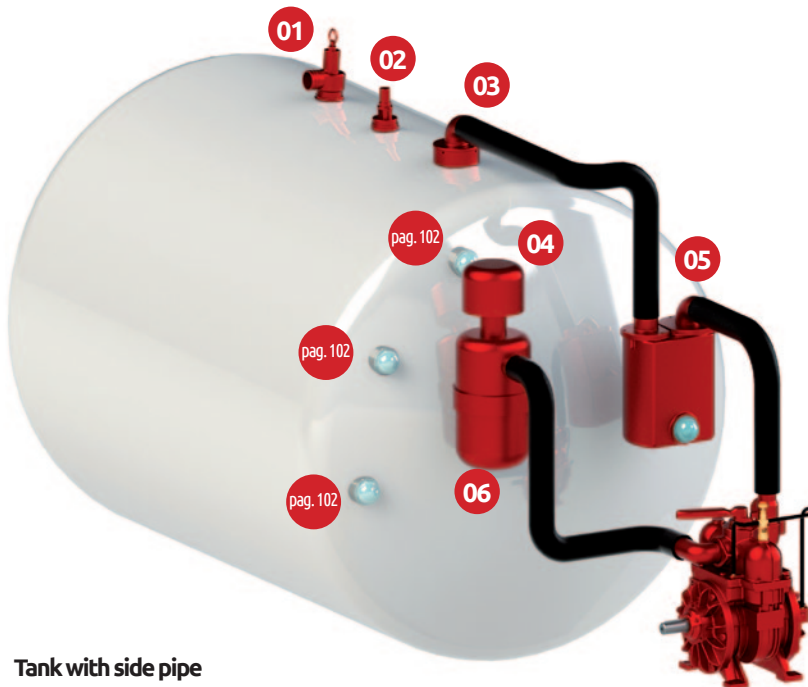
### 01 Overpressure Safety Valve - 1"1/4

Code 5100200009  
Setting range:  
+0,3 bar / +1,5 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 1"1/4  
Weight: 0,94 kg



### 02 Vacuum Relief Valve 1"1/2

Code 5100200012  
Setting range:  
-0,3 bar / -0,8 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 1"1/2  
Weight: 0,65 kg



Tank with side pipe



**06 Filter-Silencer**  
Code 5090000110  
Hose connection: Ø 45 mm  
Weight: 2,5 kg



**04 Rain Cap**  
Code 5090000060  
For Filter/silencer only



### 03 Primary Overflow Valve - Single Rubber Ball

Code 6100200006 - Ø45  
Iron ring to be welded  
Weight: 4,5 kg



### 05 Secondary Valve - Single Rubber Ball

Code 6100200003 - Ø45  
Weight: 17,5 kg



**05A Discharge Valve - 3/4"**  
Code 5040200006  
To be fitted on Secondary valve



### 05B Gauge - Ø 80 mm Axial Connection

Code 5101700007  
To be fitted on Secondary valve



# MEC

## 2000 - 3000 - 4000



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### MEC 2000 / 3000 / 4000 – Simple and practical design

The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments. It's simple and practical design made the MEC pumps the product of reference for agricultural and municipalities septic applications.



### STANDARD FEATURES

- Forced lubrication, 4-ways valve, non-return check valve
- Available hoses connections: Ø 45 mm / Ø 60 mm / 2"
- Thread for Overpressure valve: G 1"1/4

### VERSIONS

CCW as standard



**Version M**  
Splined shaft  
1"3/8 - Z6 ISO 500

CCW on request CW as standard



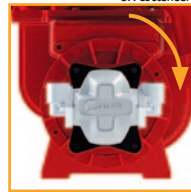
**Version P**  
Smooth Cylindrical shaft  
Ø 30, lenght 70 mm  
Parallel key UNI 6604

CCW as standard



**Version D**  
Splined shaft  
1"3/8 - Z6 ISO 500

CW as standard



**Version H**  
**MEC 2000:** Group 3 26.7 cc/rev - Pmax 280 bar - In G 1" - Out G 3/4"  
**MEC 3000:** Group 3 26.7 cc/rev - Pmax 280 bar - In G 1" - Out G 3/4"  
**MEC 4000:** Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"

### TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M	P/D/H					M	P	D	H
MEC 2000	165	2750	97	600	1400	2,5 (36)	91% (27,0")	60% (18")	5,5 (7,3)	75	65	65	69
MEC 3000	216	3600	127	600	1400	2,5 (36)	92% (27,2")	60% (18")	7 (9,4)	87	77	77	80
MEC 4000	261	4350	154	600	1400	2,5 (36)	94% (28,0")	60% (18")	9 (12,6)	100	90	90	93

### OPTIONALS



**Long Life Blades**



**Automatic Lubrication**  
Single lubrication point



**Side Outlet**  
With two revolving elbows



**Double Outlet**  
Ø 60 mm



**Revolving Elbow**  
Ø 51 mm (2")/  
Ø 60 mm



**EN 707 Lever**  
Code 6080200162



**Hydraulic Changeover**  
Code 6080200217



**Hydraulic Revolving Changeover**  
Code 5090000008



**Pneumatic Revolving Changeover**  
Code 6080200160




**Battioni Vacuum Pump Oil**  
Code 5070200100



**Customized Painting**

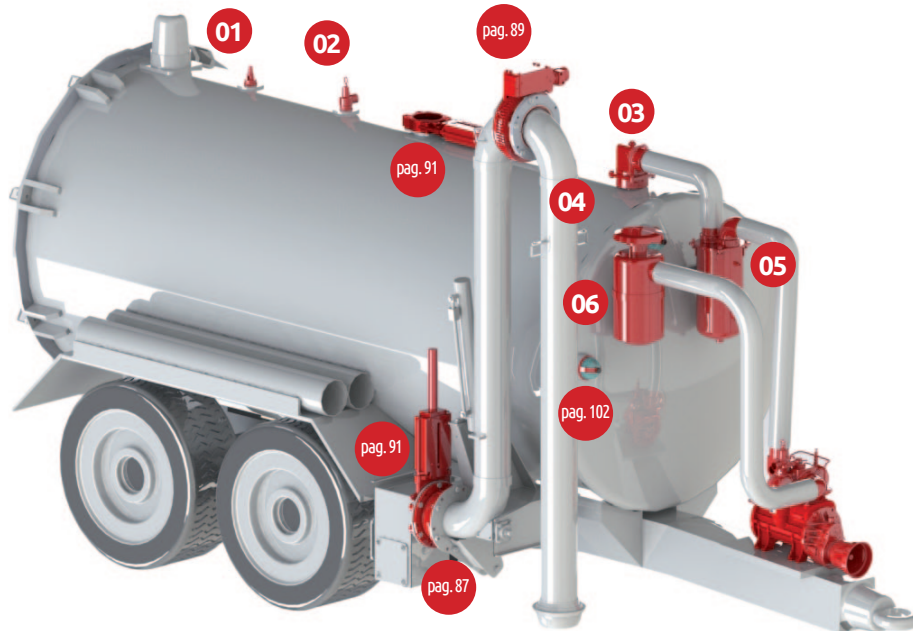
## ACCESSORIES



**01** **Vacuum Relief Valve 1"1/2**  
Code 5100200012  
Setting range:  
-0,3 bar / -0,8 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 1"1/2  
Weight: 0,65 kg



**02** **Overpressure Safety Valve - 1"1/4**  
Code 5100200009  
Setting range:  
+0,3 bar / +1,5 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 1"1/4  
Weight: 0,94 kg



Tank with side pipe



**06** **Filter - Silencer**  
Code 5090000083 - Ø 60  
MEC 3000 - 4000  
Code 5090000110 - Ø 45  
MEC 2000  
Weight: 3,9 kg




**04A** **Rain Cap**  
Code 5090000060  
For Filter/silencer only




**04B** **Pre-Filter**  
Code 5090000045  
For Filter/silencer only



**03** **Primary Overflow Valve - Single Rubber Ball**  
Code 6100200006 - Ø 45  
Code 6100200007 - Ø 60  
Iron ring to be welded  
Weight: 4,5 kg



**05** **Secondary Valve - Single Rubber Ball**  
Code 6100200003 - Ø 45  
Code 6100200004 - Ø 60  
Weight: 17,5 kg



**05A** **Discharge Valve - 3/4"**  
Code 5040200006  
To be fitted on Secondary valve



**05B** **Gauge - Ø 80 mm Axial Connection**  
Code 5101700007  
To be fitted on Secondary valve



# MEC

## 5000 - 6500 - 8000



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Setting the pace since 1953

### MEC 5000 / 6500 / 8000 – The Legend

More than 500.000 MEC pumps have been put in operation to empty cesspits and transport slurry in agricultural and industrial applications. The reliability and strength of the MEC is the result of continuous design and manufacturing improvements accomplished during 40 years of deployments.

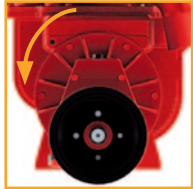


### STANDARD FEATURES

- Forced lubrication, 4-ways valve, check valve
- Thread for Overpressure valve: G 1"1/2
- Available hoses connections: Ø 60 mm / Ø 76 mm (3") / Ø 80 mm

### VERSIONS

CCW as standard



**Version M**  
Splined shaft  
1"3/8 - Z6 ISO 500

CCW on request CW as standard



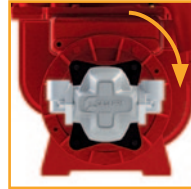
**Version P**  
Smooth Cylindrical shaft  
Ø 32, lenght 70 mm  
Parallel key UNI 6604

CCW as standard



**Version D**  
Splined shaft  
1"3/8 - Z6 ISO 500

CW as standard



**Version H**  
**MEC 5000:** Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"  
**MEC 6500:** Group 3.5 43.98 cc/rev - Pmax 250 bar - In G 1" - Out G 1"  
**MEC 8000:** Group 3.5 51.83 cc/rev - Pmax 230 bar - In G 1" - Out G 1"

### TECHNICAL DATA

	Geometrical capacity			Max rpm		Max abs pressure Bar/PSI	Max vacuum % (inHg)	Max continuous vacuum % (inHg)	Power at max vacuum kW (HP)	Weight kg			
	m³/h	l/min	cfm	M	P/D/H					M	P	D	H
MEC 5000	369	6150	217	600	1400	2,5 (36)	94% (28,0")	60% (18")	11 (14,7)	130	121	121	123
MEC 6500	420	7000	247	600	1400	2,5 (36)	94% (28,0")	60% (18")	12,5 (16,7)	148	139	139	141
MEC 8000	486	8100	286	600	1400	2,5 (36)	94% (28,0")	60% (18")	16 (21,4)	160	151	151	153

### OPTIONALS



**Long Life Blades**



**Automatic Lubrication**  
MEC 5000: Single lubrication point  
MEC 6500/8000: double lubrication points



**Side Outlet**  
With two revolving elbows



**Double Outlet**  
Ø 60 mm



**Revolving Elbow**  
Ø 60 mm /  
Ø 76 mm (3") /  
Ø 80 mm



**EN 707 Lever**  
Code 6080200161



**Hydraulic Changeover**  
Code 6080200175



**Hydraulic Revolving Changeover**  
Code 5090000073



**Pneumatic Revolving Changeover**  
Code 6080200114



**Battioni Vacuum Pump Oil**  
Code 5070200100



**Customized Painting**



## ACCESSORIES



**Vacuum Relief Valve  
1 1/2**  
Code 5100200012  
Setting range:  
-0,3 bar / -0,8 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 1 1/2  
Weight: 0,65 kg



**Overpressure Safety  
Valve - 1 1/2**  
Code 5100200010  
Setting range:  
+0,3 bar / +1,5 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 1 1/2  
Weight: 1,02 kg



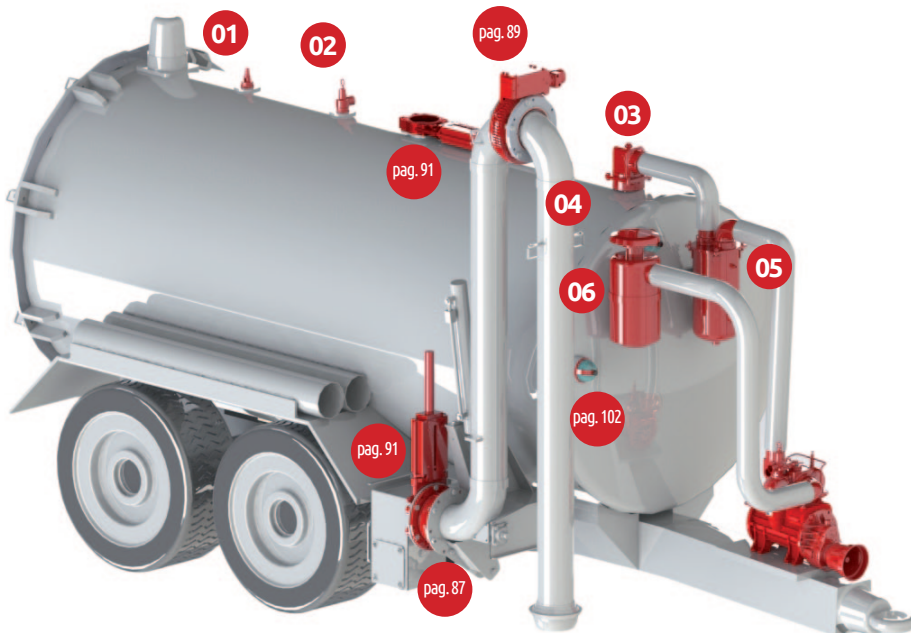
**Filter-Silencer**  
Code 5090000044 - Ø 80  
MEC 6500/8000  
Code 5090000083 - Ø 80  
MEC 5000  
Weight: 7 kg (9.9 lb)



**Rain Cap**  
Code 5090000061  
MEC 6500/8000  
Code 5090000060  
MEC 5000  
For Filter/silencer only



**Pre-Filter**  
Code 5090000046  
MEC 6500/8000  
Code 5090000045  
MEC 5000  
For Filter/silencer only



Tank with side pipe



**Primary Overflow  
Valve - Single Rubber  
Ball**  
Code 6100200007 - Ø 60  
Code 6100200008 - Ø 80  
Iron ring to be welded  
Weight: 4,7/9,6 kg



**Secondary Valve -  
Single Rubber Ball**  
Code 6100200004 - Ø 60  
Code 6100200005 - Ø 80  
Weight: 18,5/20,5 kg



**Discharge Valve - 3/4"**  
Code 5040200006  
To be fitted on Secondary  
valve



**Gauge - Ø 80 mm Axial  
Connection**  
Code 5101700007  
To be fitted on Secondary  
valve