

# MEC II

3500 - 4500 - 6000 - 7500  
9000 - 11000 - 13500

Technical catalogue

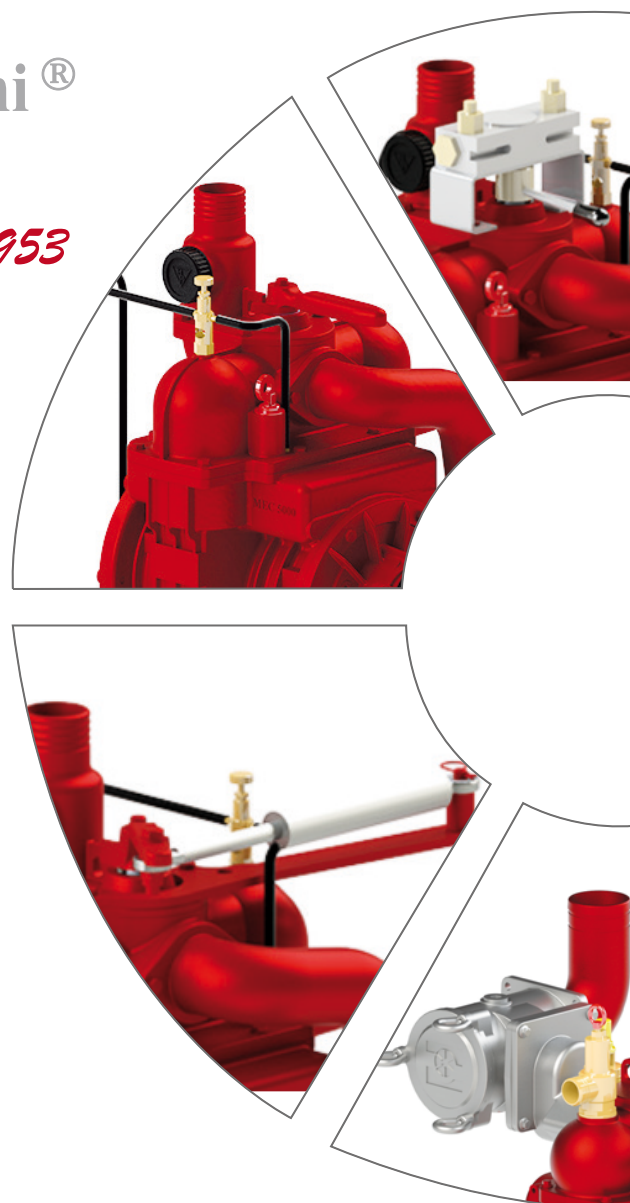
Catalogo tecnico

Technischer Katalog



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Pagani

*Setting the pace since 1953*



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**Battioni®  
Pagani**

*Setting the pace since 1953*

**Predisposition for overpressure valve**

Predisposizione per valvola di sovrappressione  
Vorbereitung für Überdruckventil

**Selector vacuum - pressure**

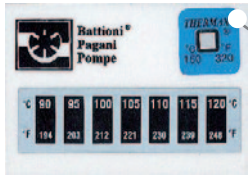
Selettore Vuoto - Pressione  
Wähler von Vakuum/Druck

**Kit Aluminum Final Air Filter**

Kit filtro aria alluminio  
Saugfilter Satz

**Temperature indicator**

Rilevatore di temperatura  
Temperaturdedektor



**160° C Irreversible indicator**

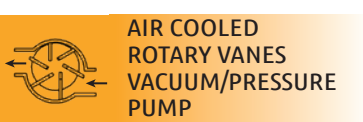
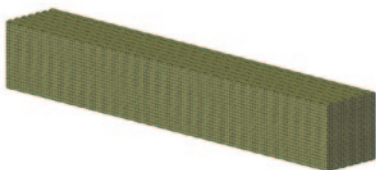
Indicatore Irreversibile 160° C  
irreversibel Anzeiger 160°C

**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 as standard**

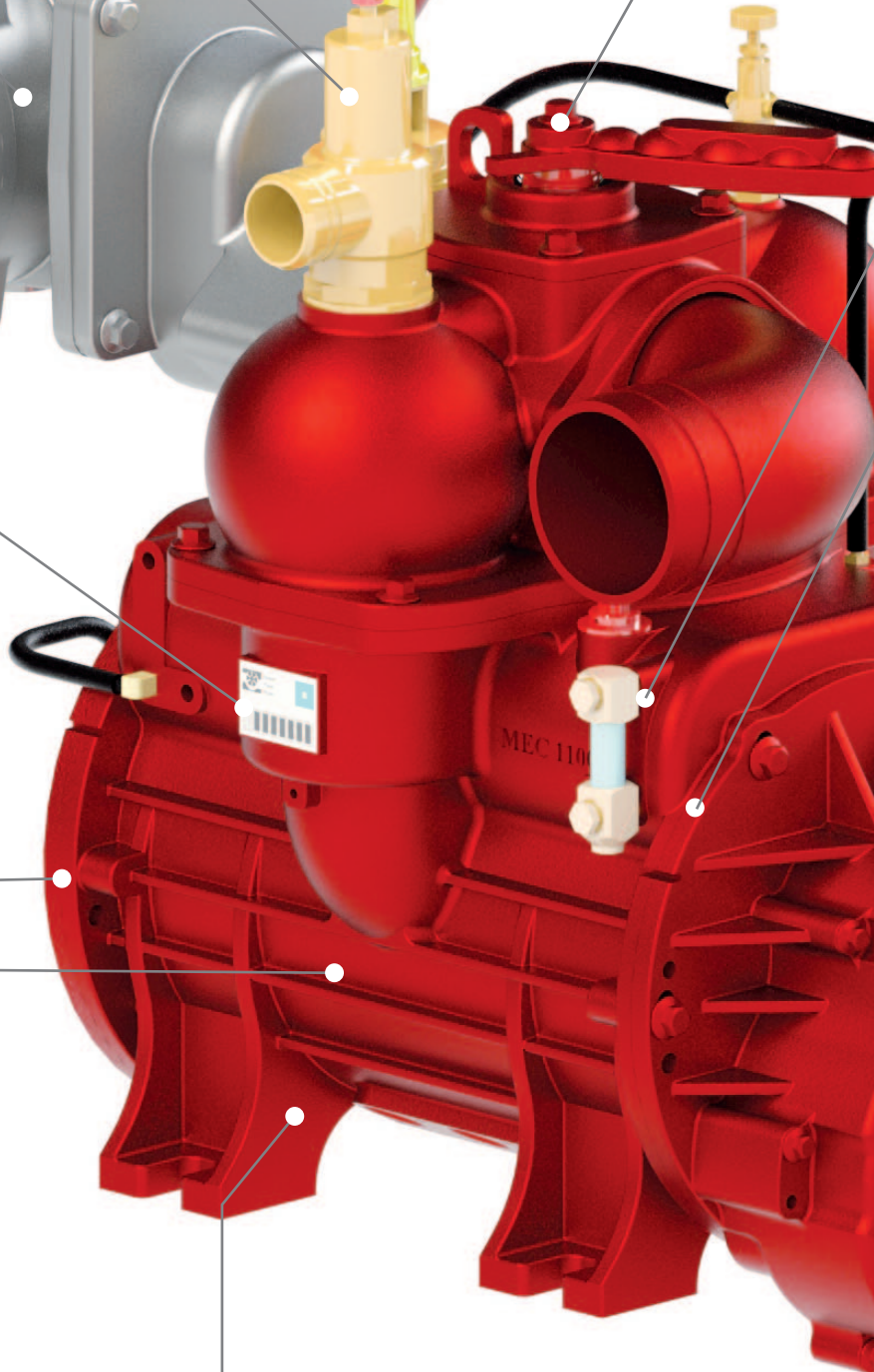
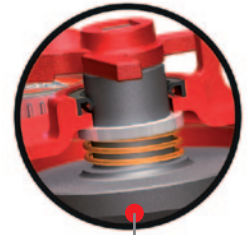
Palette "long life" resistenti al calore di serie  
Hitzebeständigen Lamellen aus Spezialmaterial als Serie



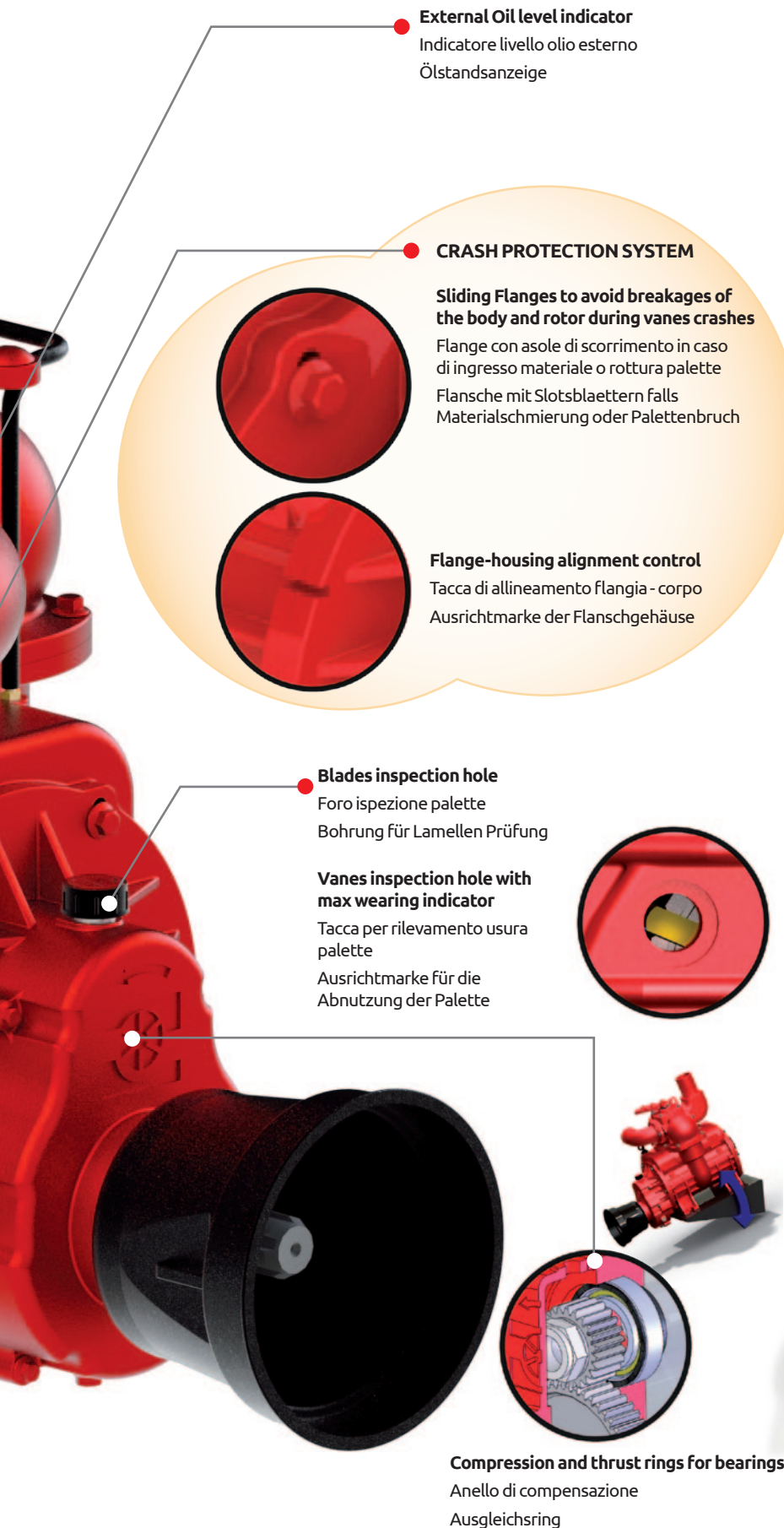
**High wearing resistance thanks to cast-iron with high hardness**

Elevata resistenza ad usura grazie a ghisa ad alta durezza

Hohe Festigkeit zu Abnutzung für Gußisen mit hohe Härte







### VERSIONS



MEC - M/MA



MEC - P



MEC - D



MEC - HM

*Discover the Crash Protection System*





# MEC II

## 3500 - 4500 - 6000 - 7500



Setting the pace since 1953

### MEC II – The Legend continues

The MEC II offers world class top performances and **increased structural resistance** achieved despite **reduced weight and size** compared with its predecessor and any other similar product available on the market.

The MEC II features the **Crash Protection System**: a sliding flanges protection mechanism that prevents the housing or rotor to break of in case of vanes crash. The pump is easily repairable inexpensively in field.



### STANDARD FEATURES

- Long Life Blades, Crash Protection System, forced lubrication, external oil level indicator, side outlets, exhaust elbows, 4-ways valve, check valve
- Thread for Overpressure valve: G 1"1/2
- Available hoses connections: Ø 45 mm / Ø 60 mm / Ø 76 mm (3") / Ø 80 mm

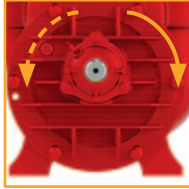
### VERSIONS

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 63 mm  
Parallel key UNI 6604

CCW as standard



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

CCW as standard



**Version HM**  
125.7 cc/rev -  
Pmax 175 bar  
In G 1/2" - Out G 1/2"

### 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 II 3500	217,3	3621	128	540	1400	2,5 (36)	92% (27,2")	60% (18")	8 (10,7)	100	85	86	87
MEC II 4500	275,6	4593	162	540	1400	2,5 (36)	92% (27,2")	60% (18")	10 (13,4)	110	95	96	97
MEC II 6000	371,0	6183	218	540	1400	2,5 (36)	94% (28,0")	60% (18")	12 (16,1)	125	110	111	112
MEC II 7500	455,8	7596	268	540	1400	2,5 (36)	94% (28,0")	60% (18")	14 (18,8)	143	128	129	130

### OPTIONALS



**Automatic Lubrication**  
Double lubrication points



**EN 707 Lever**  
Code 6080200299



**Hydraulic Changeover**  
Code 6080200303



**Pneumatic Revolving Changeover**  
Code 6080200302



**Battioni Vacuum Pump Oil**  
Code 5070200100



**Customized Painting**



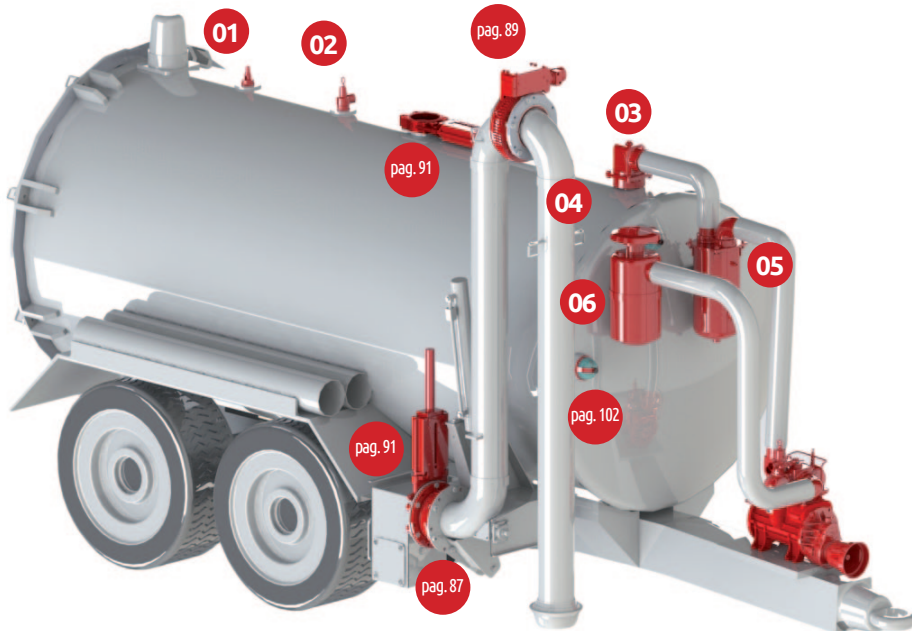
## ACCESSORIES



**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 1/2**  
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



Tank with side pipe



**06**  
**Filter - Silencer**  
Code 5090000110  
MEC 3500  
Code 5090000083  
MEC 4500  
Code 5090000044  
MEC 6000-7500  
Weight: 4-7 kg



**04A**  
**Rain Cap**  
Code 5090000060  
MEC 3500-4500  
Code 5090000061  
MEC 6000-7500  
Weight: 0,3/0,4 kg



**04B**  
**Pre-Filter**  
Code 5090000045  
MEC 3500-4500  
Code 5090000046  
MEC 6000-7500  
Weight: 0,6/1,1 kg



**03**  
**Primary Overflow**  
**Valve - Single Rubber**  
**Ball**  
Code 6100200006 - Ø 45  
Code 6100200007 - Ø 60  
Code 6100200008 - Ø 80  
Iron ring to be welded  
Weight: 4,7/9,6 kg



**05**  
**Secondary Valve -**  
**Single Rubber Ball**  
Code 6100200003 - Ø 45  
Code 6100200004 - Ø 60  
Code 6100200005 - Ø 80  
Weight: 18,5/20,5 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 II

## 9000 - 11000 - 13500

### MEC II – The Legend continues

Designed in cooperation with SPRInT, the Team of Engineering and Research of the Department of Industrial Engineering at the University of Parma, the MEC II pump represents a technology breakthrough resulted from a major joint effort in product **development and innovative design processes**.

The MEC II features the **Crash Protection System**: a sliding flanges protection mechanism that prevents the housing or rotor to break of in case of vanes crash. The pump is easily repairable inexpensively in field.



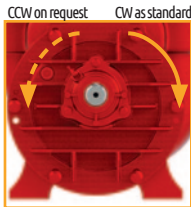
### STANDARD FEATURES

- Long Life Blades, Crash Protection System, forced lubrication, external oil level indicator, side outlets, exhaust elbow, 4-ways valve, check valve
- Thread for Overpressure valve: G 2"
- Available hoses connections: Ø 76 mm (3") / Ø 80 mm / Ø 100 mm (4")

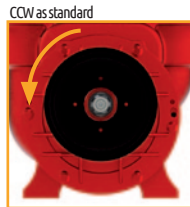
### VERSIONS



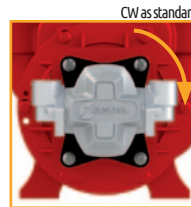
**Version M - MA**  
Splined shaft  
1"3/8 - Z6 ISO 500



**Version P**  
Smooth Cylindrical shaft,  
Ø 32, lenght 63 mm  
Parallel key UNI 6604



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



**Version H**  
**MEC 9000:** Group 3.5 51.83 cc/rev - Pmax 230 bar - In G 1" - Out G 1"  
**MEC 11000:** Group 3.5 73.82 cc/rev - Pmax 180 bar - In G 1" - Out G 1"1/4  
**MEC 13500:** Group 4 86.56 cc/rev - Pmax 280 bar - In G 1"1/4 - Out G 1"1/2

### 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	MA	P/D/H					M/MA	P	D	H
MEC II 9000	541,8	9030	319	600	1000	1400	2,5 (36)	95% (28,5")	60% (18")	17 (22,8)	145	131	132	140
MEC II 11000	668,22	11137	393	600	1000	1400	2,5 (36)	95% (28,5")	60% (18")	21 (28,2)	160	146	147	155
MEC II 13500	830,7	13845	489	600	1000	1400	2,5 (36)	95% (28,5")	60% (18")	25 (33,5)	178	164	165	173

### OPTIONALS



**Automatic Lubrication**  
Double lubrication points



**Kit Aluminum Final Air Filter 1300**  
Code 6080200290



**Side Outlet With Two Revolving Elbows**



**Double Outlet**  
Ø 80 mm



**Kit Vacuum Relief Valve For Revolving Elbow**  
Code 6080200181



**Extra Side Tank**  
Code 6080200304 (LA)  
Code 6080200310 (LF)



**EN 707 Lever**  
Code 6080200173



**Hydraulic Changeover**  
Code 6080200176



**Hydraulic Revolving Changeover**  
Code 5090000078



**Pneumatic Revolving Changeover**  
Code 6080200238



**Pneumatic Revolving Changeover - 3 Positions**  
Code 6080200293



**Customized Painting**



## ACCESSORIES



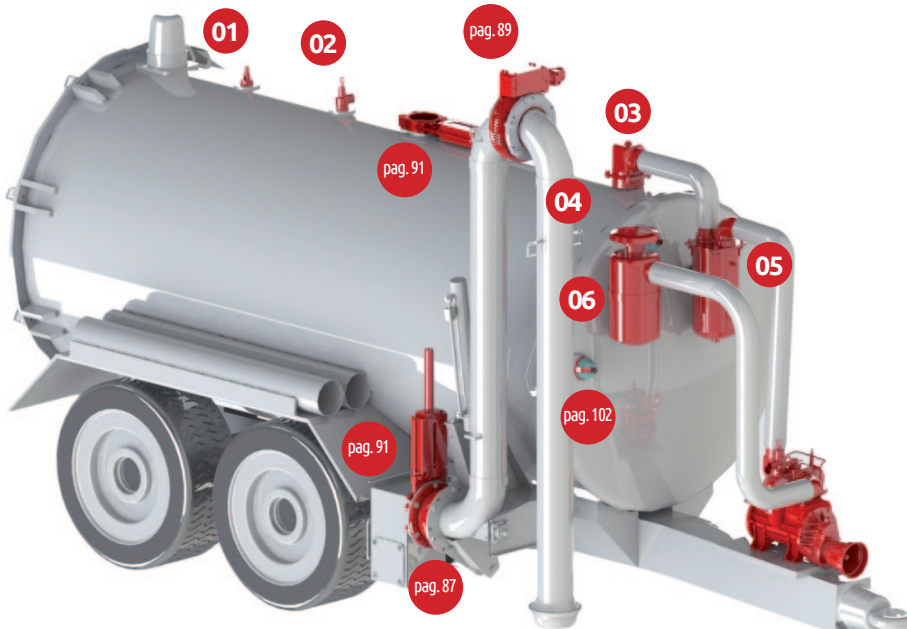
### 01 Vacuum Relief Valve 1 1/2

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 - 2"

Code 5100200011  
Setting range:  
+0,3 bar / +1,5 bar  
Working temperature:  
-20°C / +90°C  
Thread: G 2"  
Weight: 1,2 kg



Tank with side pipe



### 06 Filter - Silencer

Code 5090000025  
MEC 9000-11000  
Code 5090000026  
MEC 13500  
Hose connection:  
Ø 80/100 mm  
Weight: 9,5/13 kg



### 04A Rain Cap

Code 5090000061  
MEC 9000-11000  
Code 5090000062  
MEC 13500  
Weight: 0,4 kg



### 04B Pre-Filter

Code 5090000046  
MEC 9000-11000  
Code 5090000047  
MEC 13500



### 03A Primary Overflow Valve - Two Balls

Code 6100200030-Ø 76  
Code 6100200025-Ø 80  
Code 6100200026-Ø 100  
Iron ring to be welded  
Weight: 13,9/14,0 kg



### 03B Primary Overflow Valve - One SS Ball

Code 6100200027-  
Ø 80 SS  
Code 6100200028-  
Ø 100 SS  
Ball material: AISI 316  
Iron ring to be welded



### 05 Secondary Valve - Two Balls

Code 6100200035-Ø 76  
Code 6100200021-Ø 80  
Code 6100200022-Ø 100  
Weight: 35,6/20,5 kg



### 05A Discharge Valve - 1"

Code 5040200014  
To be fitted on Secondary  
valve



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

Code 5101700007  
To be fitted on Secondary  
valve