

MEC II

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

Technical catalogue

Catalogo tecnico

Technischer Katalog



Battioni®
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

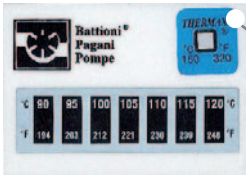
Selettore Vuoto - Pressione
Wähler von Vakuum/Druck

Kit Aluminum Final Air Filter

Kit filtro aria alluminio
Saugfilter Satz

Temperature indicator

Rilevatore di temperatura
Temperaturdedektor



160° C Irreversible indicator

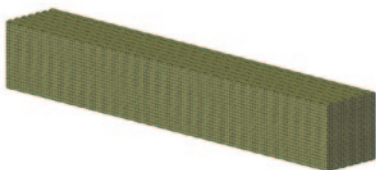
Indicatore Irreversibile 160° C
irreversibel Anzeiger 160° C

Forced lubrication pump as standard (automatic lubrication on request)

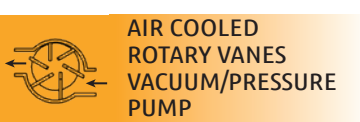
Pompa di lubrificazione forzata di serie (lubrificazione automatica a richiesta)
Druckschmierung als Serie (Automatische Schmierung auf Anfrage)

Long Life blades as standard

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



Cooling

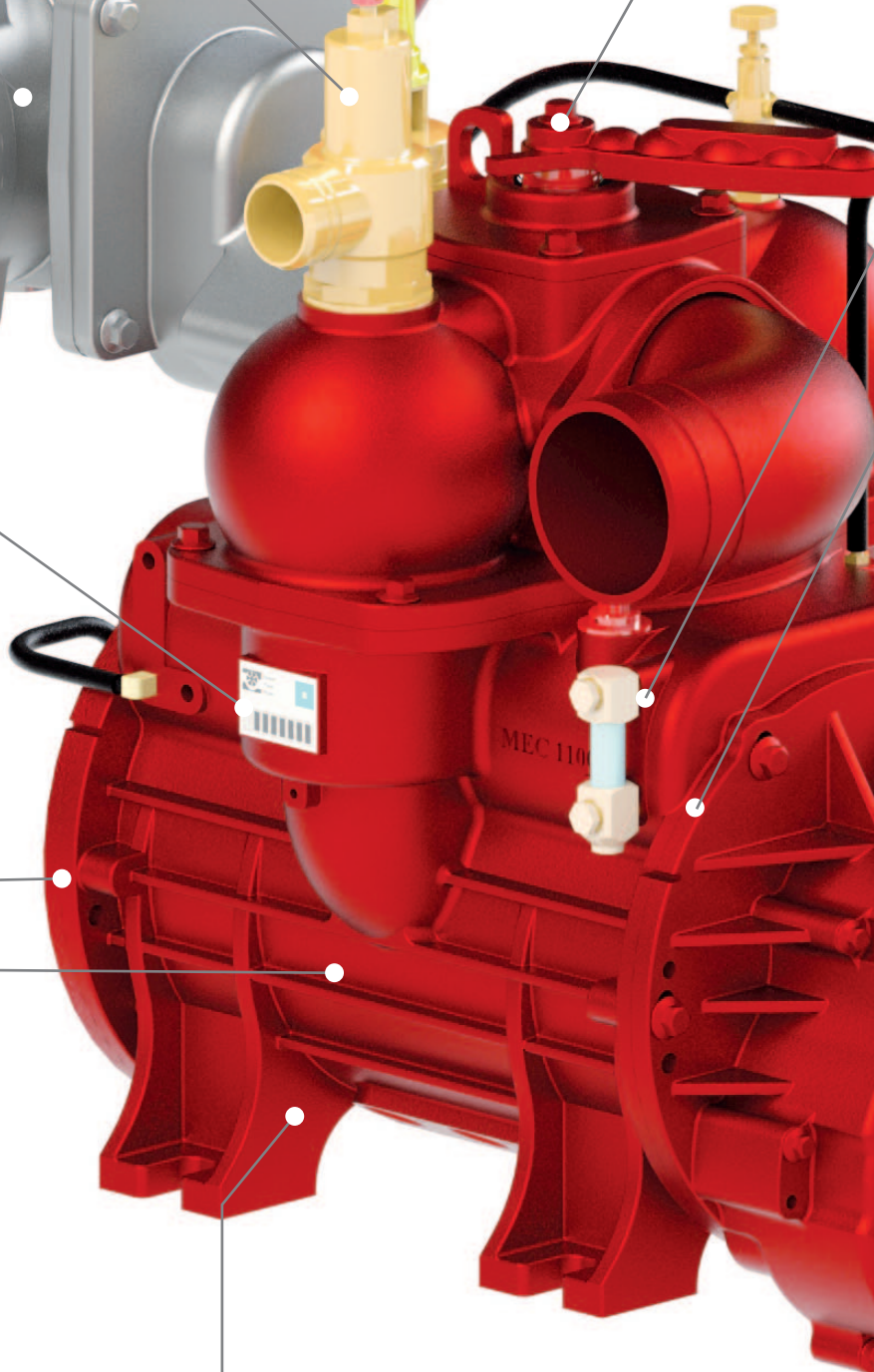
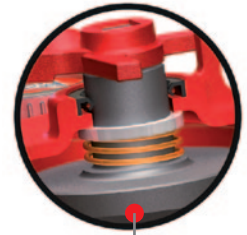


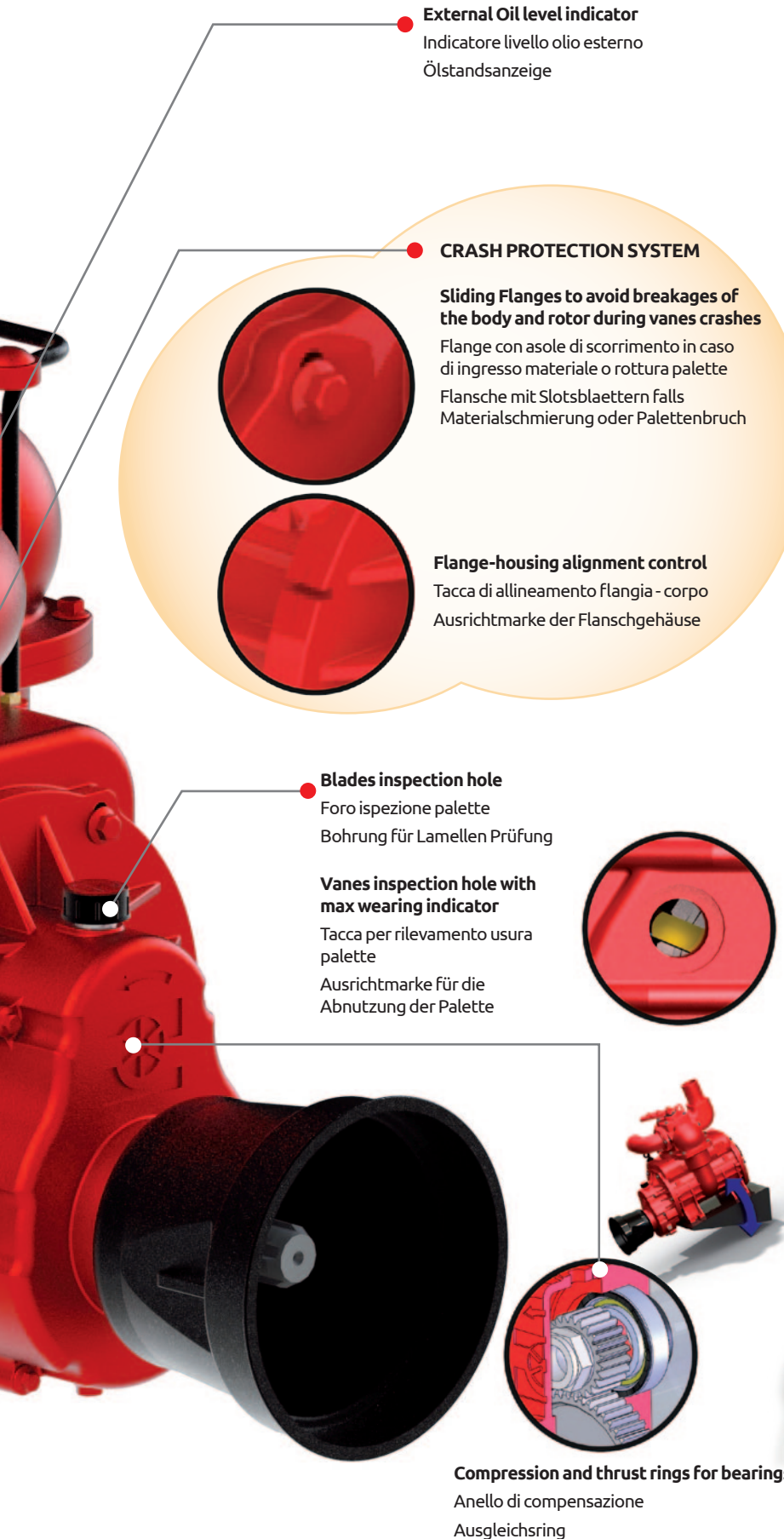
**AIR COOLED
ROTARY VANES
VACUUM/PRESSURE
PUMP**

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





External Oil level indicator
Indicatore livello olio esterno
Ölstandsanzeige

CRASH PROTECTION SYSTEM
Sliding Flanges to avoid breakages of the body and rotor during vanes crashes
Flange con asole di scorrimento in caso di ingresso materiale o rottura palette
Flansche mit Slotsblättern falls Materialschmierung oder Palettenbruch

Flange-housing alignment control
Tacca di allineamento flangia - corpo
Ausrichtmarke der Flanschgehäuse

Blades inspection hole
Foro ispezione palette
Bohrung für Lamellen Prüfung

Vanes inspection hole with max wearing indicator
Tacca per rilevamento usura palette
Ausrichtmarke für die Abnutzung der Palette

Compression and thrust rings for bearings
Anello di compensazione
Ausgleichsring

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

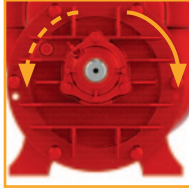
VERSIONS

CCW as standard



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

CCW on request CW as standard



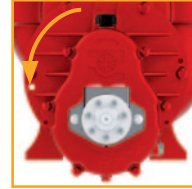
Version P
Smooth Cylindrical shaft,
Ø 32, lenght 63 mm
Parallel key UNI 6604

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			
	m ³ /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



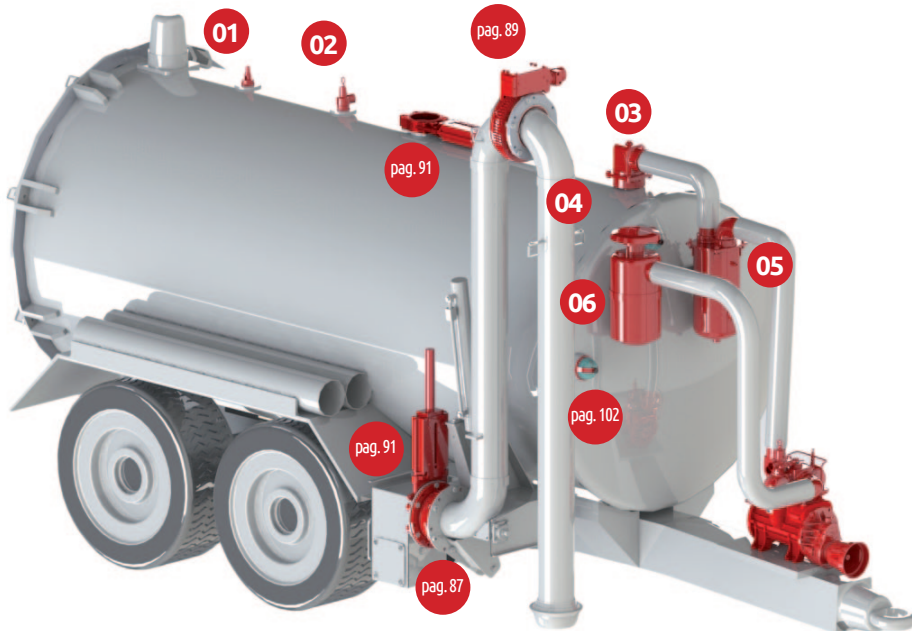
ACCESSORIES



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**.

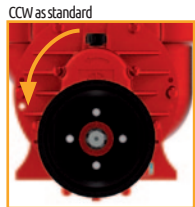
The MEC II features the **Crash Protection System**: a sliding flanges protection mechanism that prevents the housing or rotor to break of in case of vanes crash. The pump is easily repairable inexpensively in field.



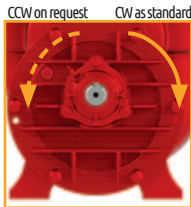
STANDARD FEATURES

- 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")

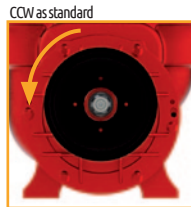
VERSIONS



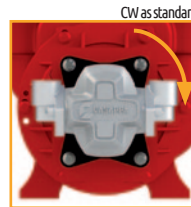
Version M - MA
Splined shaft
1"3/8 - Z6 ISO 500



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



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 - 2"

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



Filter - Silencer

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



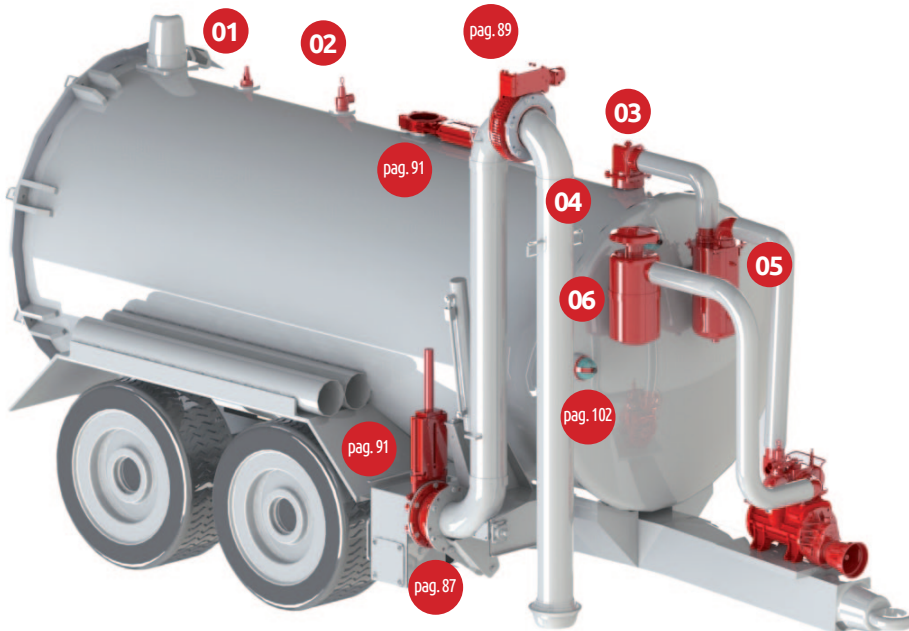
Rain Cap

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



Pre-Filter

Code 5090000046
MEC 9000-11000
Code 5090000047
MEC 13500



Tank with side pipe



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



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



Secondary Valve - Two Balls

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



Discharge Valve - 1"

Code 5040200014
To be fitted on Secondary
valve



Gauge - Ø 80 mm Axial Connection

Code 5101700007
To be fitted on Secondary
valve