

# Professionall

Solutii profesionale pentru echipamente profesionale



**GAS COMPONENTS**



**ELECTRIC COMPONENTS**



**WATER TECHNOLOGY**



**MECHANICAL COMPONENTS**




**TOOLS**

Spare parts suitable for

# LA MARZOCCO


## heating elements



## heating elements for coffee machine


			
1			
No.	417397	Ref. No.	E.6.003
description	heating element 1200W 220V heating circuits 1 mounting ø 40mm hole distance 57mm L 170mm W 31mm H 30mm L1 10mm L2 75mm L3 85mm H1 9mm H2 21mm hole ø 10mm tube ø 8mm connection M3 immersion heater 3 hole flange		




1

				
<b>No.</b>	417126	<b>Ref. No.</b>	LR340220	
<b>description</b>	heating element 1300W 230V L 215mm W 39mm H 21mm mounting distance 31mm tube ø 8.5mm thread 1/4\" windings 2 connection M3 connection length 21mm 2 hole fixing immersion heater			
<b>accessories for</b>	417126			
	<b>No.</b>	361182	<b>Ref. No.</b>	—
nut thread 1/4\" H 5mm nickel-plated brass WS 17 Qty 1 pcs				
	<b>No.</b>	510417	<b>Ref. No.</b>	—
flat gasket fibre ED ø 20mm ID ø 14mm thickness 2mm Qty 1 pcs				
	<b>No.</b>	520228	<b>Ref. No.</b>	—
tooth lock washer ID ø 15.3mm ED ø 24mm steel Qty 1 pcs for thread M14				
	<b>No.</b>	527169	<b>Ref. No.</b>	—
hexagonal nut thread M3 H 2.8mm WS 5.5 brass Qty 1 pcs				
	<b>No.</b>	550262	<b>Ref. No.</b>	—
flat gasket copper ED ø 20mm ID ø 14mm thickness 2mm				
	<b>No.</b>	560110	<b>Ref. No.</b>	—
plain washer ID ø 3.2mm ED ø 7mm thickness 0.5mm SS Qty 20 pcs DIN 125A for thread M3				
	<b>No.</b>	560130	<b>Ref. No.</b>	—
hexagonal nut thread M3 H 2.4mm WS 5.5 SS DIN/ISO DIN 934 / ISO 4032/8673 Qty 20 pcs				




			
1			
No.	417395	Ref. No.	LR36522001 LR36522003
description	heating element 1400W 220V heating circuits 1 thread 1 1/4" L 430mm W 36mm H 32mm tube ø 9.8mm connection M4 immersion heater flange with thread coffee machine WS 42		


<div>1</div>			
No.	417127	Ref. No.	LR365/220
description	heating element 1400W 230V heating circuits 1 thread 1¼" L 395mm W 32mm tube ø 10mm connection M4 immersion heater flange with thread		
accessories for	417127		
	No.	510405	Ref. No.
	—		
	flat gasket fibre ED ø 56mm ID ø 42mm thickness 2mm for thread 1¼" Qty 1 pcs		

accessories for		417127		
	No.	528021	Ref. No.	—
	flat gasket PTFE ED ø 53mm ID ø 42.5mm thickness 3mm Qty 1 pcs equiv. no. 12001/02286 suitable for Astoria/Aurora/Brasilia/Wega			




				
1				
No.	417129	Ref. No.	LR362/220	
description	heating element 1600W 230V heating circuits 1 thread 1¼" L 660mm W 34mm tube ø 10mm connection M4 immersion heater connection length 45mm flange with thread			
accessories for	417129			
	No.	510405	Ref. No.	—
	flat gasket fibre ED ø 56mm ID ø 42mm thickness 2mm for thread 1¼" Qty 1 pcs			
	No.	528021	Ref. No.	—
	flat gasket PTFE ED ø 53mm ID ø 42.5mm thickness 3mm Qty 1 pcs equiv. no. 12001/02286 suitable for Astoria/Aurora/Brasília/Wega			

1

				
<b>No.</b>	417045	<b>Ref. No.</b>	LR340/220B	
<b>description</b>	heating element 1800W 230V heating circuits 1 thread 1¼" L 135mm W 36mm H 39mm tube ø 8.5mm connection male faston 6.3mm immersion heater flange with thread			
<b>accessories for</b>	417045			
	<b>No.</b>	510405	<b>Ref. No.</b>	—
	flat gasket fibre ED ø 56mm ID ø 42mm thickness 2mm for thread 1¼" Qty 1 pcs			
	<b>No.</b>	528021	<b>Ref. No.</b>	—
	flat gasket PTFE ED ø 53mm ID ø 42.5mm thickness 3mm Qty 1 pcs equiv. no. 12001/02286 suitable for Astoria/Aurora/Brasília/Wega			

			
1			
No.	417400	Ref. No.	LR366/220
description	heating element 1900W 220V heating circuits 1 thread 1 1/4" L 660mm W 35mm H 35mm tube ø 10mm connection M3 immersion heater flange with thread coffee machine WS 43		

1

				
<b>No.</b>	417125	<b>Ref. No.</b>	LR342/220B	
<b>description</b>	heating element 2000W 220V heating circuits 1 thread 1¼" L 290mm W 27mm H 29mm tube ø 10mm connection M4x0.8 immersion heater connection length 42mm flange with thread coffee machine WS 42 2 groups			
<b>accessories for</b>	417125			
	<b>No.</b>	510405	<b>Ref. No.</b>	—
	flat gasket fibre ED ø 56mm ID ø 42mm thickness 2mm for thread 1¼" Qty 1 pcs			
	<b>No.</b>	528021	<b>Ref. No.</b>	—
	flat gasket PTFE ED ø 53mm ID ø 42.5mm thickness 3mm Qty 1 pcs equiv. no. 12001/02286 suitable for Astoria/Aurora/Brasilia/Wega			



<b>No.</b>	417398	<b>Ref. No.</b>	LR357/220B
<b>description</b>	heating element 3000W 220V heating circuits 1 thread 1 1/4" L 390mm W 31mm H 31mm tube ø 10mm connection M4 immersion heater connection length 25mm flange with thread coffee machine WS 43		



<b>No.</b>	417399	<b>Ref. No.</b>	LR345/220B
<b>description</b>	heating element 3000W 220V heating circuits 1 thread 1 1/4" L 500mm W 35mm H 35mm tube ø 10mm connection M3 immersion heater flange with thread coffee machine		



<b>No.</b>	417128	<b>Ref. No.</b>	LR356/220B
<b>description</b>	heating element 4000W 220V heating circuits 1 thread 1 1/4" L 495mm W 35mm H 28mm tube ø 10mm connection M4 immersion heater flange with thread coffee machine 3 groups		

<b>accessories for</b>	417128		
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<b>No.</b>	510405	<b>Ref. No.</b>	—
<b>description</b>	flat gasket fibre ED ø 56mm ID ø 42mm thickness 2mm for thread 1 1/4" Qty 1 pcs		



<b>No.</b>	528021	<b>Ref. No.</b>	—
<b>description</b>	flat gasket PTFE ED ø 53mm ID ø 42.5mm thickness 3mm Qty 1 pcs equiv. no. 12001/02286 suitable for Astoria/Aurora/Brasilia/Wega		

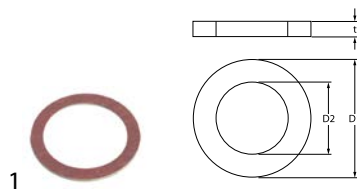


<b>No.</b>	417396	<b>Ref. No.</b>	E.6.004 E600401 E600402
<b>description</b>	heating element 800W 220V heating circuits 1 mounting ø 39mm hole distance 58mm L 170mm W 31mm H 30mm L1 10mm L2 75mm L3 85mm H1 9mm H2 21mm hole ø 10mm tube ø 8mm connection M3 immersion heater 3 hole flange		

## accessories

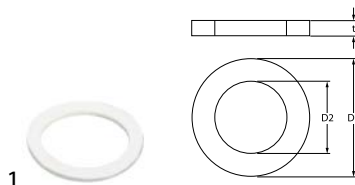
### sealing washers

### fibre gaskets



<b>No.</b>	528171	<b>Ref. No.</b>	LR360
<b>description</b>	flat gasket fibre ED ø 55mm ID ø 42mm thickness 2mm Qty 1 pcs		

### PTFE gaskets



<b>No.</b>	528022	<b>Ref. No.</b>	LR360
<b>description</b>	flat gasket PTFE ED ø 52mm ID ø 41mm thickness 2mm size 1 1/4" Qty 1 pcs suitable for CARIMALI, FAEMA, MARZOCCO, PAVONI		

### O-rings



<b>No.</b>	510899	<b>Ref. No.</b>	F.2.014
<b>description</b>	O-ring EPDM thickness 3.53mm ID ø 37.69mm Qty 1 pcs		

## thermostats

### bi-metal thermostats

### safety bi-metal thermostats



<b>No.</b>	390367	<b>Ref. No.</b>	L276B
<b>description</b>	bi-metal safety thermostat hole distance 39-44mm switch-off temp. 130°C 2NC 2-pole 16A connection F6.3 2 hole fixing		

## switches and momentary switches

### rocker/momentary rocker switches


#### 30x22mm





<b>No.</b>	346474	<b>Ref. No.</b>	L284
<b>description</b>	dummy element external size 30x22mm suitable for rocker switch		




<b>No.</b>	347352	<b>Ref. No.</b>	L286/1
<b>description</b>	momentary rocker switch mounting measurements 30x22mm white 2NO 250V 16A steam connection male faston 6.3mm ambient temperature max. 85/125°C protection IP40		


			
1			
<b>No.</b>	347353	<b>Ref. No.</b>	L286 L286LM
<b>description</b>	momentary rocker switch mounting measurements 30x22mm white 2NO 250V 16A water connection male faston 6.3mm ambient temperature max. 85/125°C protection IP40		


			
1			
<b>No.</b>	346081	<b>Ref. No.</b>	L285/1
<b>description</b>	rocker switch mounting measurements 30x22mm white 2NO 250V 16A coffee connection male faston 6.3mm ambient temperature max. 100/55°C protection IP40		

			
1			
<b>No.</b>	346082	<b>Ref. No.</b>	L285/2
<b>description</b>	rocker switch mounting measurements 30x22mm white 2NO 250V 16A steam connection male faston 6.3mm ambient temperature max. 100/55°C protection IP40		

			
1			
<b>No.</b>	347354	<b>Ref. No.</b>	L285
<b>description</b>	rocker switch mounting measurements 30x22mm red 2NO 250V 16A illuminated heating connection male faston 6.3mm ambient temperature max. 100/55°C protection IP40		


## miscellaneous

			
1			
<b>No.</b>	347358	<b>Ref. No.</b>	E.2.010
<b>description</b>	rocker switch mounting measurements 21x44mm black 2NO 240V 20A 0-1 connection male faston 2.8mm/6.3mm ambient temperature max. 85/125°C		

			
1			
<b>No.</b>	347360	<b>Ref. No.</b>	L287
<b>description</b>	rocker switch mounting measurements 33x39mm white/red 2NO 250V 16A illuminated connection male faston 6.3mm ambient temperature max. 85/125°C		

## push/momentary push switches



## miscellaneous

			
1			
<b>No.</b>	347357	<b>Ref. No.</b>	L283/C
<b>description</b>	push switch with frame		

## toggle switches

## M12x0.75


1

<b>No.</b>	346519	<b>Ref. No.</b>	E.2.017
<b>description</b>	toggle switch thread M12x0.75 2NO 250V 15A ON-OFF male faston 6.3mm		
<b>accessories for</b>	346519		
	<b>No.</b>	346525	<b>Ref. No.</b> —
protection cap L 23.5mm W 17.3mm protection cap rubber thread M11			
	<b>No.</b>	347197	<b>Ref. No.</b> —
bezel ON-OFF for toggle switch M12			


## rotary switches


## BREMAS

## A1700 series



1

<b>No.</b>	346104	<b>Ref. No.</b>	E.2.002	
<b>description</b>	rotary switch 2 0-1 sets of contacts 3 type CA0170003 400V 20A shaft ø 5x5mm shaft L 21mm shaft square connection screw			
<b>accessories for</b>	346104			
	<b>No.</b>	111012	<b>Ref. No.</b>	—
	knob switch zero mark t.max.°C ø 34/60mm shaft ø 5x5mm shaft flat black H 22mm L 50mm			

			
1			
<b>No.</b>	347364	<b>Ref. No.</b>	L400/17
<b>description</b>	rotary switch 3 0-1-2 sets of contacts 6 type CS017GZ32 400V 17A shaft ø 5x5mm shaft L 23mm shaft square connection screw		



## A3200 series



1

<b>No.</b>	347359	<b>Ref. No.</b>	E.2.001
<b>description</b>	rotary switch 2 0-1 sets of contacts 2 type CA0320002 600V 32A shaft ø 5x5mm shaft L 23mm shaft square with knob connection cable 300mm		



1

<b>No.</b>	347361 <sup>1</sup>	<b>Ref. No.</b>	L400/32
<b>description</b>	rotary switch 3 0-1-2 sets of contacts 2 type CS032GZ22 600V 40A shaft ø 5x5mm shaft L 24mm shaft square with knob connection screw		

<sup>1</sup>incl. knob and dial plate

1

<b>No.</b>	346079	<b>Ref. No.</b>	L400/32/T
<b>description</b>	rotary switch 3 0-1-2 sets of contacts 4 type CS032GZ32 600V 40A shaft ø 5x5mm shaft L 24mm shaft square connection screw		

## accessories

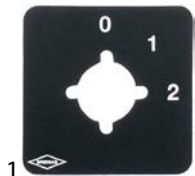


1

<b>No.</b>	111369	<b>Ref. No.</b>	L400/K
<b>description</b>	knob ø 28/48mm shaft ø 5x5mm black H 22mm L 40mm		

## accessories

## symbol labels



1

<b>No.</b>	347773	<b>Ref. No.</b>	L400T1
<b>description</b>	symbol label 0-1-2 L 49mm W 49mm bore ø 17mm		



1

<b>No.</b>	347365	<b>Ref. No.</b>	L400/T
<b>description</b>	symbol label OFF-FILL-RUN L 49mm W 49mm bore ø 16mm		

## lamps

## indicator lights

## indicator lights (complete)

30x22mm



1

<b>No.</b>	359155	<b>Ref. No.</b>	L288
<b>description</b>	indicator light mounting measurements 30x22mm 230V red connection male faston 6.3mm temp.-resist. 125°C type RL2		

## contactors

## TELEMECANIQUE (Schneider Electric)

## power contactors



1

<b>No.</b>	380976	<b>Ref. No.</b>	L500
<b>description</b>	power contactor resistive load 32A 230VAC (AC3/400V) 18A/7.5kW main contacts 3NO auxiliary contacts 1NO/1NC connection screw connection		




1

<b>No.</b>	380979	<b>Ref. No.</b>	L510
<b>description</b>	power contactor resistive load 40A 230VAC (AC3/400V) 25A/11kW main contacts 3NO auxiliary contacts 1NO/1NC connection screw connection type LC1D25P7		



## solid state relays


### miscellaneous

			
1			
<b>No.</b>	402566	<b>Ref. No.</b>	E.4.010
<b>description</b>	solid state relay HFS 1 phase 25A 240V 4-32VDC L 58mm W 45mm with LED screw type D-24Z25-L		

## relays


### level relays

#### GICAR

			
1			
<b>No.</b>	402103	<b>Ref. No.</b>	LA050
<b>description</b>	level controller 230/240V voltage AC 50/60Hz connection F6.3 type NRL30/1E-2C/F		


## probes


### producer-specific probes


			
1			
<b>No.</b>	379499	<b>Ref. No.</b>	E.1.005
<b>description</b>	probe Pt1000 cable silicone probe -100 up to 450°C cable -50 up to +180°C connection coded plug thread 1/4" probe ø3x100mm cable length 1.5m		

## electronics

### PCBs

			
1			
<b>No.</b>	402577	<b>Ref. No.</b>	E.1.004
<b>description</b>	display L 135mm W 44mm		

			
1			
<b>No.</b>	402592	<b>Ref. No.</b>	E.1.009
<b>description</b>	keypad PCB L 116mm W 44mm buttons 6		

			
1			
<b>No.</b>	402580	<b>Ref. No.</b>	E.1.012
<b>description</b>	PCB for central unit suitable for MARZOCCO type DOS 3D5 DELUXE 2PTK BI-POWER		

### central units

			
1			
<b>No.</b>	402583	<b>Ref. No.</b>	LAD3D5/3LC LAD3D5/3XLC
<b>description</b>	central unit 230V type 3d5 3GRCTZ voltage AC		

			
1			
<b>No.</b>	402582	<b>Ref. No.</b>	E.1.010.01
<b>description</b>	central unit 230V type Manuale GB5 voltage AC		


			
1			
<b>No.</b>	402581	<b>Ref. No.</b>	E.1.001
<b>description</b>	central unit 4-group 230V type GB5 voltage AC		



1 			
<b>No.</b>	402584	<b>Ref. No.</b>	LAD070/3
<b>description</b>	central unit edition old edition		


## keypads


### keypad units


1 			
<b>No.</b>	402576	<b>Ref. No.</b>	E.1.007
<b>description</b>	keypad unit buttons 1		


1 			
<b>No.</b>	402570	<b>Ref. No.</b>	LAD3D5/P
<b>description</b>	keypad unit buttons 5 suitable for MARZOCCO type 3d5 L 106mm W 44mm		


1 			
<b>No.</b>	402571	<b>Ref. No.</b>	LAD3D5/THE
<b>description</b>	keypad unit buttons 5 suitable for MARZOCCO type 3D5+TEA lighting LED with tea programm		


1 			
<b>No.</b>	402572	<b>Ref. No.</b>	LAD3D5/P3C
<b>description</b>	keypad unit buttons 5 type P3 CRONO lighting LED with timer		


1 			
<b>No.</b>	402578	<b>Ref. No.</b>	LAD070/1
<b>description</b>	keypad unit buttons 5 type TH SMT 1GR+RL		


1 			
<b>No.</b>	402574	<b>Ref. No.</b>	E.1.002
<b>description</b>	keypad unit buttons 6 programmable		

1 			
<b>No.</b>	402575	<b>Ref. No.</b>	E.1.003
<b>description</b>	keypad unit buttons 6 standard		

1 			
<b>No.</b>	402573	<b>Ref. No.</b>	E.1.015
<b>description</b>	keypad unit buttons 6 with display		

1 			
<b>No.</b>	400356	<b>Ref. No.</b>	E.1.008
<b>description</b>	keypad unit hot water buttons 1 L 37mm W 31mm		

1 			
<b>No.</b>	400452	<b>Ref. No.</b>	LAD071THE
<b>description</b>	keypad unit type DOS MASK + TEA lighting LED		

			
1			
<b>No.</b>	400453	<b>Ref. No.</b>	LAD071VT
<b>description</b>	keypad unit type DOS MICRO		

## solenoid valves


### solenoid valves (water)

#### metal

#### ASCO

#### spare parts and accessories



#### O-rings

			
1			
<b>No.</b>	371095	<b>Ref. No.</b>	L165/6
<b>description</b>	O-ring Viton thickness 1.78mm ID ø 6.07mm Qty 1 pcs		


#### ODE

#### solenoid valves steam (water)



#### 21A series

			
1			
<b>No.</b>	370590	<b>Ref. No.</b>	L053 L05301
<b>description</b>	solenoid valve 2-ways 230VAC connection 1/8" L 40mm DN 2.5mm t.max. 160°C slide-on receptacle DIN -10 up to 140°C ODE type series 21A coil type BDP membranes FKM (water/steam) p max 14bar 50/60Hz flow rate 3.2l/min duty cycle 100%		
<b>accessories for</b>	370590		
	<b>No.</b>	371090	<b>Ref. No.</b> L205
power socket plug type DIN 43650A screw			

#### 4767AOR series




1

<b>No.</b>	370591	<b>Ref. No.</b>	B.2.004 B200401	
<b>description</b>	solenoid valve 3-ways 230VAC L 44.5mm DN 1.5mm t.max. 160°C slide-on receptacle DIN -40 up to +180°C ODE coil type BDP membranes ruby p max 15bar 50/60Hz brass duty cycle 100%			
<b>spare parts for</b>	370591			
	<b>No.</b>	371095	<b>Ref. No.</b>	L165/6
	 <p>O-ring Viton thickness 1.78mm ID ø 6.07mm Qty 1 pcs</p>			
<b>accessories for</b>	370591			
	<b>No.</b>	371090	<b>Ref. No.</b>	L205
	 <p>power socket plug type DIN 43650A screw</p>			

### solenoid valves (refrigeration)

#### CASTEL

#### spare parts and accessories

			
1			
<b>No.</b>	371090	<b>Ref. No.</b>	L205
<b>description</b>	power socket plug type DIN 43650A screw		

### Solenoid valve - accessories

1

<b>No.</b>	371095	<b>Ref. No.</b>	L165/6
<b>description</b>	O-ring Viton thickness 1.78mm ID ø 6.07mm Qty 1 pcs		

1

<b>No.</b>	371091	<b>Ref. No.</b>	615978/P-Muster bestellen
<b>description</b>	power socket plug type DIN 43650B cable lengthmm small		





## pressure switches

### for coffee machines

ø 35mm





1

No.	541143	Ref. No.	L271
description	pressure control ø 35mm pressure range adjustable 0.2-6.0bar pressure connection vertical preset atbar 250V coffee machine parts connection 1/8" 1CO pressure connection 1/8"		

### miscellaneous



1

No.	541021	Ref. No.	L270	
description	pressure control pressure range adjustable 0.5-1.4bar connection 1/4" 30A 3-pole type P302 coffee machine parts SIRAI			
accessories for	541021			
	No.	550262	Ref. No.	—
	flat gasket copper ED ø 20mm ID ø 14mm thickness 2mm			
	No.	890100	Ref. No.	—
	PTFE tape reel L 12m W 12mm -200 up to +260°C approval DIN-DVGW, KTW temperature-resistant, elastic for fine thread thickness 0.1mm			

## electrodes



1

No.	400214	Ref. No.	LA052
description	level electrode 1/4" total length 140mm probe L 112mm insulated probe length 26mm connection male faston 6.3mm stainless steel ø 2.5mm		

## flow meters and flow sensors

### flow meters

GICAR



1

No.	400222	Ref. No.	LAD070
description	flow meter thread 1/4" stainless steel male faston 2.8mm approval NSF		

### accessories



1

No.	400088	Ref. No.	LAD070/GC
description	casing cover GICAR nickel-plated brass for flow meter		




1

No.	400257	Ref. No.	LAD070/V
description	impellor GICAR H 15mm D1 ø 26.7mm D2 ø 9.8mm for flow meter		



1

No.	400258	Ref. No.	LAD070/S1
description	O-ring for flow meter		

			
1			
<b>No.</b>	400256	<b>Ref. No.</b>	LAD070/CGC
<b>description</b>	plug GICAR for flow meter		

## pumps

### booster pumps II

#### pump heads

##### FLUID-O-TECH

			
1			
<b>No.</b>	499056	<b>Ref. No.</b>	N/A
<b>description</b>	pump head PA1504 FLUID-O-TECH L 82mm 150l/h connection 3/8" GAS with bypass brass clip connection for coffee machine shaft ø 10.8x4.8mm approval NSF		

			
1			
<b>No.</b>	500454	<b>Ref. No.</b>	L290 L290/1
<b>description</b>	pump head PA1504 FLUID-O-TECH L 82mm 150l/h connection 3/8" NPT with bypass brass clip connection for coffee machine shaft ø 4.8x11mm approval NSF		

## equipment-specific units for espresso machines

### filter holders

#### filter holder without bottom

			
1			
<b>No.</b>	525907	<b>Ref. No.</b>	L111X
<b>description</b>	filter holder without bottom suitable for MARZOCCO complete with filter mounting ø 83 ID ø 62mm wedge height 10mm wedge position horizontal number of wedges 2 chrome-plated brass		
<b>accessories for</b>	525907		
	<b>No.</b>	531286	<b>Ref. No.</b>
			—
			
	filter ø 70mm mounting ø 60mm H 66mm for EP capsules perforation ø 3.5mm for model universal		

### filter holders standard

#### filter holder without spout

			
1			
<b>No.</b>	531209	<b>Ref. No.</b>	L111X
<b>description</b>	filter holder suitable for MARZOCCO without bottom and filter mounting ø 83mm outlet ID ø 62mm wedge height 10mm wedge position horizontal number of wedges 2 lever inclined		

			
1			
<b>No.</b>	525983	<b>Ref. No.</b>	L111/LM12
<b>description</b>	filter holder suitable for MARZOCCO without outlet mounting ø 83mm outlet 3/8" ID ø 62mm wedge height 10mm wedge position horizontal number of wedges 2 lever inclined		

			
1			
<b>No.</b>	525982	<b>Ref. No.</b>	N/A
<b>description</b>	filter holder suitable for MARZOCCO without outlet mounting ø 83mm outlet 3/8" ID ø 62mm wedge height 9mm wedge position horizontal number of wedges 2 lever straight		



### filter holders short



1			
No.	529205	Ref. No.	N/A
description	filter holder mounting ø 83mm outlet 3/8" ID ø 62mm handle M10x1.5 wedge height 10mm wedge position horizontal number of wedges 2 lever inclined chrome-plated brass		



1			
No.	529204	Ref. No.	N/A
description	filter holder mounting ø 83mm outlet 3/8" ID ø 62mm handle M12x1.75 wedge height 9mm wedge position horizontal number of wedges 2 lever straight chrome-plated brass		

### filters

#### for 1 cup



1			
No.	527631	Ref. No.	N/A
description	coffee filter ø 70mm mounting ø 60.7mm H 17mm cups 1 amount of coffee 8g		



1			
No.	526897	Ref. No.	L115/A
description	coffee filter ø 70mm mounting ø 60mm H 27mm cups 1		

#### for 2 cups



1			
No.	526898	Ref. No.	L116/A
description	coffee filter ø 70mm mounting ø 60mm H 26.8mm cups 2 perforation ø 0.35mm		

### brewing units

#### shower screens

##### with upstand and central hole



1			
No.	526854	Ref. No.	L107
description	shower screen ø 56.5mm H 6mm hole ø 7mm with upstand		



1			
No.	529092	Ref. No.	L107
description	shower screen ø 56.7mm H 6mm hole ø 7.1mm		

#### filter holder gaskets

##### with cone



1			
No.	528065	Ref. No.	L105/B7
description	filter holder gasket with ridge D1 ø 71.5mm D2 ø 55mm H1 7.1mm H2 6.1mm with outside notch Qty 1 pcs		

##### with ridge




1			
No.	526883	Ref. No.	H3001 L105/B8
description	filter holder gasket with ridge D1 ø 72mm D2 ø 55mm H1 8.1mm H2 6.2mm with outside notch		

			
1			
<b>No.</b>	528066	<b>Ref. No.</b>	L105/B9
<b>description</b>	filter holder gasket with ridge D1 ø 72mm D2 ø 55mm H1 9.5mm H2 7.1mm with outside notch		

## brewing units manual

## components


## gaskets


			
1			
<b>No.</b>	526856	<b>Ref. No.</b>	H.2.001
<b>description</b>	gasket D1 ø 13mm ID ø 4mm thickness 4mm Viton		


## components


## nozzles

## with thread


			
1			
<b>No.</b>	526886	<b>Ref. No.</b>	L087/GI 6
<b>description</b>	nozzle bore ø 0.6mm thread M4 L 8.5mm		

			
1			
<b>No.</b>	526889	<b>Ref. No.</b>	F.2.003
<b>description</b>	nozzle bore ø 0.6mm thread M5 L 20mm		


			
1			
<b>No.</b>	526887	<b>Ref. No.</b>	L087/GI 7 L087GI701
<b>description</b>	nozzle bore ø 0.7mm thread M4 L 8.5mm		

			
1			
<b>No.</b>	526888	<b>Ref. No.</b>	L087/GI
<b>description</b>	nozzle bore ø 0.8mm thread M4 L 8.5mm		

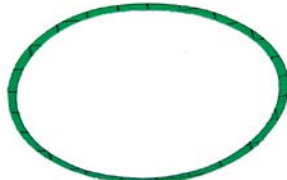
## screws

			
1			
<b>No.</b>	560417	<b>Ref. No.</b>	L110
<b>description</b>	cylinder head bolt thread M8 L 55mm thread L 29mm WS 6 SS Qty 1 pcs head ø 13mm head thickness 8mm DIN 912/ISO 4762		

## screw connections

			
1			
<b>No.</b>	526893	<b>Ref. No.</b>	L100/3
<b>description</b>	screw connection thread M12x1 L 22mm WS 24		

## gaskets

			
1			
<b>No.</b>	528961	<b>Ref. No.</b>	L103/B
<b>description</b>	flat gasket fibre ED ø 86mm ID ø 80mm thickness 0.5mm Qty 1 pcs		

## water dispersions

## water dispersions

## 2-piece

1

No.	526892	Ref. No.	L105
description	water distributor D1 ø 55.5mm thread M24x1.5 H 13.5mm nickel-plated brass		

**accessories for**

526892

No.	526885	Ref. No.	L106/V
-----	--------	----------	--------

water distributor thread M6 H 15.6mm SS ø 10mm



1

No.	526885	Ref. No.	L106/V
description	water distributor thread M6 H 15.6mm SS ø 10mm		
accessories for	526885		
	No.	526892	Ref. No. L105
	water distributor D1 ø 55.5mm thread M24x1.5 H 13.5mm nickel-plated brass		

## expansion valves

with bore



1

No.	528791	Ref. No.	L140/C L140CLM
description	expansion valve T1: 1/4" ET L 40mm total length 56mm		

## drain pans

drain pans



1

No.	526866	Ref. No.	L037
description	drain pan L 100mm W 100mm H 52mm hole ø 21mm suitable for MARZOCCO		

## steam/water taps

steam/water taps

steam taps

steam taps (complete)



1

No.	526842	Ref. No.	B.1.001.01.R B.1.001.02.R
description	steam tap complete		



1

No.	527954	Ref. No.	B.1.006
description	steam tap mounting pos. external inlet 3/8" outlet 3/8" chrome-plated brass		



1

No.	526844	Ref. No.	B.1.004
description	steam tap swing lever inlet 1/4" outlet 3/4" brass		



1

No.	526843	Ref. No.	L165 L165LM
description	steam tap T1: 1/4"		

## bodies



1

<b>No.</b>	526846	<b>Ref. No.</b>	L167 L167/LM
<b>description</b>	tap body T1: M16x1 T2: 1/4" L 49mm		

## components

## shafts



1

<b>No.</b>	526847	<b>Ref. No.</b>	L169 L169LM
<b>description</b>	shaft for steam tap with gasket $\varnothing$ 14.5mm D1 $\varnothing$ 10.5mm D2 $\varnothing$ 7.45mm D3 $\varnothing$ 6mm L 88.2mm brass		

## bushes



1

<b>No.</b>	526850	<b>Ref. No.</b>	L165/7
<b>description</b>	bush D1 $\varnothing$ 10.5mm D2 $\varnothing$ 9mm ID $\varnothing$ 6.2mm H 5.5mm brass		

## gaskets



1

<b>No.</b>	527970	<b>Ref. No.</b>	F.2.009
<b>description</b>	flat gasket PTFE ED $\varnothing$ 24mm ID $\varnothing$ 18mm thickness 2mm Qty 1 pcs		



1

<b>No.</b>	528502	<b>Ref. No.</b>	L165/5
<b>description</b>	gasket D1 $\varnothing$ 12mm thickness 5.7mm EPDM		



1

<b>No.</b>	526853	<b>Ref. No.</b>	L165/5
<b>description</b>	gasket D1 $\varnothing$ 12mm thickness 5.7mm silicone		



1

<b>No.</b>	526856	<b>Ref. No.</b>	H.2.001
<b>description</b>	gasket D1 $\varnothing$ 13mm ID $\varnothing$ 4mm thickness 4mm Viton		

## gasket supports



1

<b>No.</b>	526852	<b>Ref. No.</b>	B.2.010
<b>description</b>	piston for steam tap with gasket L 14mm brass		

## expansion valves



1

<b>No.</b>	526848	<b>Ref. No.</b>	L192
<b>description</b>	expansion valve for tap thread 1/8" hose $\varnothing$ 6.5mm total length 39mm		

## springs



1

<b>No.</b>	526877	<b>Ref. No.</b>	L165/4
<b>description</b>	compression spring $\varnothing$ 10.3mm L 34mm wire gauge $\varnothing$ 1.2mm		



1

<b>No.</b>	527968	<b>Ref. No.</b>	F.3.017
<b>description</b>	compression spring $\varnothing$ 12.5mm L 31mm wire gauge $\varnothing$ 1.8mm		



1

<b>No.</b>	526880	<b>Ref. No.</b>	F.3.005
<b>description</b>	compression spring $\varnothing$ 12mm L 29.5mm wire gauge $\varnothing$ 1.2mm		



1

<b>No.</b>	527969	<b>Ref. No.</b>	F.3.018
<b>description</b>	compression spring $\varnothing$ 8mm L 21mm wire gauge $\varnothing$ 0.4mm		





## washers



1

No.	526862	Ref. No.	I.4.001
description	plain washer ID ø 7mm ED ø 14mm thickness 0.5mm brass Qty 1 pcs		

## valve bodies



1

No.	526845	Ref. No.	L168 L168LM
description	front part for steam tap handle Tr18x4 thread M16x1		

## steam/water pipes

## steam pipes



1

No.	529506	Ref. No.	L171
description	steam pipe		



1

No.	526870	Ref. No.	T.1.053.SX
description	steam pipe mounting pos. left H 150mm L 170mm ø 15mm tube ø 8mm Mistral		



1

No.	526869	Ref. No.	T.1.053.DX
description	steam pipe mounting pos. right H 150mm L 170mm ø 15mm tube ø 8mm Mistral		




1

No.	526896	Ref. No.	T.2.101
description	steam pipe old edition H 215mm ø 14.5mm tube ø 10mm		






1

No.	526868	Ref. No.	L171	
description	steam pipe pivoting H 145mm ø 180mm tube ø 10mm			
accessories for	526868			
	No.	526874	Ref. No.	L165/1
	compression spring ø 25mm L 18mm wire gauge ø 1.8mm			



1

No.	526871	Ref. No.	T.2.001	
description	steam pipe thread 1/8" H 170mm L 195mm ø 14.5mm tube ø 10mm GB/5			
accessories for	526871			
	No.	526865	Ref. No.	H.2.003
	bush D1 ø 15mm D2 ø 11.7mm H 11.5mm PTFE steam pipe ID ø 6.6mm			
	No.	528402	Ref. No.	H.1.004 L167/2
	O-ring Viton thickness 2.62mm ID ø 10.78mm Qty 1 pcs			
	No.	532567	Ref. No.	H.1.003
	O-ring Viton thickness 2.62mm ID ø 13.1mm Qty 1 pcs			

## nozzles for steam pipes



1

No.	526881	Ref. No.	L173 L173LM
description	nozzle thread 1/8" ø 13mm L 19mm 4 holes bore ø 1.5mm		



1

No.	526882	Ref. No.	L176
description	nozzle thread M8x0.75 ø 14mm L 34.5mm 4 holes bore ø 1.6mm		



1

No.	529585	Ref. No.	L172 L172LM
description	steam nozzle thread M10x1 ø 14mm L 16mm 4 holes bore ø 2mm chrome-plated brass		

## nozzles for water pipes

## nozzles for water pipes



1

No.	530775	Ref. No.	L160301
description	water nozzle D1 ø 23.5mm H 29.5mm thread M10x1		

## water pipes



1

No.	526872	Ref. No.	L160
description	water pipe thread 3/8" ø 23.5mm L 57mm WS 20		

## accessories

## bushes



1

No.	526865	Ref. No.	H.2.003
description	bush D1 ø 15mm D2 ø 11.7mm H 11.5mm PTFE steam pipe ID ø 6.6mm		



1

No.	527971	Ref. No.	F.2.010
description	bush D1 ø 7.8mm D2 ø 15mm H 21.5mm brass ID ø 6mm		

## gaskets



1

No.	528402	Ref. No.	H.1.004 L167/2
description	O-ring Viton thickness 2.62mm ID ø 10.78mm Qty 1 pcs		

## springs



1

No.	526879	Ref. No.	F.3.004
description	compression spring ø 14.5mm L 28mm wire gauge ø 2mm		



1

No.	526874	Ref. No.	L165/1
description	compression spring ø 25mm L 18mm wire gauge ø 1.8mm		

## tube handles



1

No.	526841	Ref. No.	F.2.017
description	tube handle for pipe ø 10mm ø 15mm L 80mm rubber		



1

No.	526268	Ref. No.	L171/C
description	tube handle L 35mm plastic		



1

No.	528625	Ref. No.	L171/G
description	tube handle L 35mm rubber ID ø 8mm		

## fuse terminal blocks



1

No.	526895	Ref. No.	L171/3
description	retainer clip L 26mm wire gauge ø 2mm for steam pipe coffee machine		

## union nuts



1

No.	526849	Ref. No.	F.2.007
description	union nut for steam pipe thread 3/8" L 26mm hole ø 12.5mm SS		

## flow controllers



1

No.	520488	Ref. No.	B.2.001
description	valve inlet 1/8" outlet 1/8" L 30mm total length 49mm 2 hole fixing nickel-plated brass		

## intake valves

## accessories

## springs



<b>No.</b>	526876	<b>Ref. No.</b>	F.3.002
<b>description</b>	compression spring ø 10.5mm L 37mm wire gauge ø 1.6mm		

## miscellaneous



<b>No.</b>	528422	<b>Ref. No.</b>	A.5.002
<b>description</b>	ball ø 8mm SS		

## level glasses

## level glasses




## level glasses



<b>No.</b>	528794	<b>Ref. No.</b>	L122 L122/LM
<b>description</b>	glass panel thickness 5mm ø 65mm for water level tube		

## level glasses (complete)



<b>No.</b>	528792	<b>Ref. No.</b>	L120C
<b>description</b>	level glass complete		
<b>spare parts for</b>	528792		
	<b>No.</b>	526891	<b>Ref. No.</b> L120/1CR
	screw connection thread M10 hole ø 3.8mm H 33mm WS 12 chrome-plated		
	<b>No.</b>	528794	<b>Ref. No.</b> L122 L122/LM
	glass panel thickness 5mm ø 65mm for water level tube		
	<b>No.</b>	532578	<b>Ref. No.</b> L122/A
	O-ring Viton thickness 3.53mm ID ø 58.74mm Qty 1 pcs		

## screw connections



<b>No.</b>	526891	<b>Ref. No.</b>	L120/1CR
<b>description</b>	screw connection thread M10 hole ø 3.8mm H 33mm WS 12 chrome-plated		

## non-return valves

## complete



<b>No.</b>	528790	<b>Ref. No.</b>	L032/P
<b>description</b>	non-return valve T1: 3/8" T2: 3/8" L 42.5mm total length 67mm		






<b>No.</b>	526873	<b>Ref. No.</b>	L032/P
<b>description</b>	non-return valve total length 64mm inlet 3/8" outlet 3/8" L 41mm chrome-plated brass		

## knobs


## steam/water taps

## steam/water taps




<b>No.</b>	111006	<b>Ref. No.</b>	L165/V
<b>description</b>	knob ø 51mm thread Tr18x4 black		
<b>spare parts for</b>	111006		
	<b>No.</b>	111277	<b>Ref. No.</b> L165/M
	nut for knob thread M24x1.5 ED ø 38mm H 21mm		
<b>accessories for</b>	111006		
	<b>No.</b>	111008	<b>Ref. No.</b> L165/MA
	knob dial plate water white		
	<b>No.</b>	111009	<b>Ref. No.</b> L165/MV
	knob dial plate steam		




<b>No.</b>	111353	<b>Ref. No.</b>	F.1.006
<b>description</b>	knob ø 53mm L 52mm thread Tr18x4 black		
<b>accessories for</b>	111353		
	<b>No.</b>	111354	<b>Ref. No.</b> F.1.007
	knob dial plate MARZOCCO ø 38mm L 10mm white thread M20		

## knob dial plates





1			
<b>No.</b>	111354	<b>Ref. No.</b>	F.1.007
<b>description</b>	knob dial plate MARZOCCO ø 38mm L 10mm white thread M20		


1			
<b>No.</b>	111009	<b>Ref. No.</b>	L165/MV
<b>description</b>	knob dial plate steam		


1			
<b>No.</b>	111008	<b>Ref. No.</b>	L165/MA
<b>description</b>	knob dial plate water white		


## accessories

1			
<b>No.</b>	528762	<b>Ref. No.</b>	L165/8
<b>description</b>	cotter pin ø 1.8mm L 17mm		


1			
<b>No.</b>	111006	<b>Ref. No.</b>	L165/V
<b>description</b>	knob ø 51mm thread Tr18x4 black		
<b>spare parts for</b>	111006		
		<b>No.</b>	111277
		<b>Ref. No.</b>	L165/M
	nut for knob thread M24x1.5 ED ø 38mm H 21mm		
<b>accessories for</b>	111006		
		<b>No.</b>	111008
		<b>Ref. No.</b>	L165/MA
	knob dial plate water white		
		<b>No.</b>	111009
		<b>Ref. No.</b>	L165/MV
	knob dial plate steam		

1			
<b>No.</b>	111277	<b>Ref. No.</b>	L165/M
<b>description</b>	nut for knob thread M24x1.5 ED ø 38mm H 21mm		

1			
<b>No.</b>	347773	<b>Ref. No.</b>	L400T1
<b>description</b>	symbol label 0-1-2 L 49mm W 49mm bore ø 17mm		


1			
<b>No.</b>	347365	<b>Ref. No.</b>	L400/T
<b>description</b>	symbol label OFF-FILL-RUN L 49mm W 49mm bore ø 16mm		

## miscellaneous

1			
<b>No.</b>	111369	<b>Ref. No.</b>	L400/K
<b>description</b>	knob ø 28/48mm shaft ø 5x5mm black H 22mm L 40mm		

## accessories

## miscellaneous

1			
<b>No.</b>	111277	<b>Ref. No.</b>	L165/M
<b>description</b>	nut for knob thread M24x1.5 ED ø 38mm H 21mm		

## handles and hand wheels

## lever handles

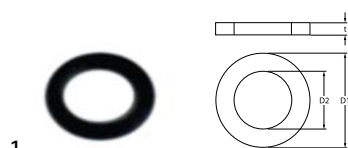
1			
<b>No.</b>	111326	<b>Ref. No.</b>	B.1.005
<b>description</b>	lever handle ø 16-19mm L 40mm thread M18x1.25 black		



## gaskets

### O-rings

#### EPDM



<b>No.</b>	528485	<b>Ref. No.</b>	L165/6
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**description** O-ring EPDM thickness 1.78mm ID ø 6.07mm Qty 1 pcs



<b>No.</b>	510303	<b>Ref. No.</b>	H.1.013
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**description** O-ring EPDM thickness 1.78mm ID ø 6.75mm Qty 1 pcs



<b>No.</b>	529412	<b>Ref. No.</b>	L167/2
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**description** O-ring EPDM thickness 2.62mm ID ø 10.78mm Qty 1 pcs



<b>No.</b>	528800	<b>Ref. No.</b>	L103/A
------------	--------	-----------------	--------

**description** O-ring EPDM thickness 2.62mm ID ø 75.87mm Qty 1 pcs



<b>No.</b>	510899	<b>Ref. No.</b>	F.2.014
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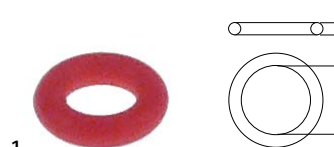
**description** O-ring EPDM thickness 3.53mm ID ø 37.69mm Qty 1 pcs



<b>No.</b>	528793	<b>Ref. No.</b>	L122/A
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**description** O-ring EPDM thickness 3.53mm ID ø 58.74mm Qty 1 pcs

#### silicone



<b>No.</b>	526403	<b>Ref. No.</b>	F2019
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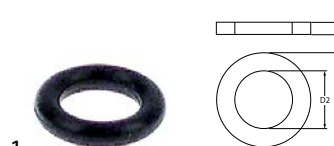
**description** O-ring silicone thickness 1.78mm ID ø 3.69mm Qty 1 pcs

#### Viton



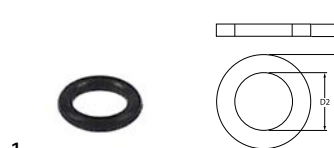
<b>No.</b>	528687	<b>Ref. No.</b>	H.1.001
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**description** O-ring Viton thickness 1.78mm ID ø 3.69mm Qty 1 pcs



<b>No.</b>	532497	<b>Ref. No.</b>	H.1.005
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**description** O-ring Viton thickness 1.78mm ID ø 5.28mm Qty 1 pcs



<b>No.</b>	371095	<b>Ref. No.</b>	L165/6
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**description** O-ring Viton thickness 1.78mm ID ø 6.07mm Qty 1 pcs



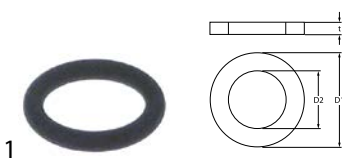
<b>No.</b>	101527	<b>Ref. No.</b>	H.1.006 L171/2
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**description** O-ring Viton thickness 1.78mm ID ø 6.75mm Qty 1 pcs

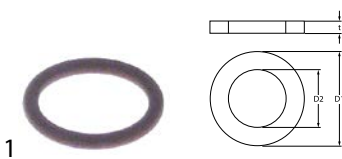


<b>No.</b>	528402	<b>Ref. No.</b>	H.1.004 L167/2
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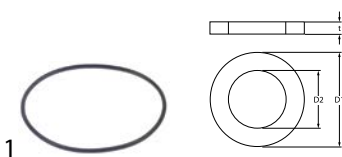
**description** O-ring Viton thickness 2.62mm ID ø 10.78mm Qty 1 pcs




<b>No.</b>	532567	<b>Ref. No.</b>	H.1.003
<b>description</b>	O-ring Viton thickness 2.62mm ID ø 13.1mm Qty 1 pcs		



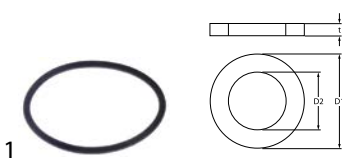
<b>No.</b>	532579	<b>Ref. No.</b>	H.1.002
<b>description</b>	O-ring Viton thickness 2.62mm ID ø 17.13mm Qty 1 pcs		



<b>No.</b>	532576	<b>Ref. No.</b>	L103/A
<b>description</b>	O-ring Viton thickness 2.62mm ID ø 75.87mm Qty 1 pcs		




<b>No.</b>	514222	<b>Ref. No.</b>	L105/A
<b>description</b>	O-ring Viton thickness 3.53mm ID ø 20.22mm Qty 1 pcs		



<b>No.</b>	532578	<b>Ref. No.</b>	L122/A
<b>description</b>	O-ring Viton thickness 3.53mm ID ø 58.74mm Qty 1 pcs		


### PTFE




<b>No.</b>	528217	<b>Ref. No.</b>	L169/A1
<b>description</b>	O-ring PTFE thickness 2.62mm ID ø 9.92mm Qty 1 pcs		

## sealing washers


### fibre gaskets




<b>No.</b>	528795	<b>Ref. No.</b>	L122/B
<b>description</b>	flat gasket FIBER ED ø 62mm ID ø 55mm thickness 0.5mm for water level tube Qty 1 pcs		



<b>No.</b>	526855	<b>Ref. No.</b>	LR360/1
<b>description</b>	flat gasket fibre ED ø 53mm ID ø 40mm thickness 3mm Qty 1 pcs		




<b>No.</b>	528171	<b>Ref. No.</b>	LR360
<b>description</b>	flat gasket fibre ED ø 55mm ID ø 42mm thickness 2mm Qty 1 pcs		



<b>No.</b>	528961	<b>Ref. No.</b>	L103/B
<b>description</b>	flat gasket fibre ED ø 86mm ID ø 80mm thickness 0.5mm Qty 1 pcs		


### rubber gaskets



<b>No.</b>	526894	<b>Ref. No.</b>	F.2.008
<b>description</b>	flat gasket EPDM ED ø 15.8mm ID ø 7.8mm thickness 4mm Qty 1 pcs		

### copper gaskets


#### DIN-7603-A




<b>No.</b>	526859	<b>Ref. No.</b>	L100/D
<b>description</b>	flat gasket copper ED ø 14mm ID ø 10mm thickness 1.5mm for thread 1/8" Qty 1 pcs		







			
1			
<b>No.</b>	526860	<b>Ref. No.</b>	L100/1A
<b>description</b>	flat gasket copper ED ø 19mm ID ø 13.5mm thickness 1.5mm for thread 1/4" Qty 1 pcs		


			
1			
<b>No.</b>	526858	<b>Ref. No.</b>	L260/1A
<b>description</b>	flat gasket copper ED ø 27mm ID ø 21.5mm thickness 1mm Qty 1 pcs		


#### DIN-7603-C


			
1			
<b>No.</b>	528501	<b>Ref. No.</b>	L167/1
<b>description</b>	gasket copper ED ø 22mm ID ø 16mm thickness 3mm		

#### PTFE gaskets

			
1			
<b>No.</b>	527638	<b>Ref. No.</b>	F.4.001
<b>description</b>	flat gasket PTFE ED ø 12mm ID ø 10mm thickness 1mm Qty 1 pcs		

			
1			
<b>No.</b>	527970	<b>Ref. No.</b>	F.2.009
<b>description</b>	flat gasket PTFE ED ø 24mm ID ø 18mm thickness 2mm Qty 1 pcs		

			
1			
<b>No.</b>	526265	<b>Ref. No.</b>	H.2.002
<b>description</b>	flat gasket PTFE ED ø 24mm ID ø 19mm thickness 2mm Qty 1 pcs		


			
1			
<b>No.</b>	528022	<b>Ref. No.</b>	LR360
<b>description</b>	flat gasket PTFE ED ø 52mm ID ø 41mm thickness 2mm size 1 1/4" Qty 1 pcs suitable for CARIMALI, FAEMA, MARZOCCO, PAVONI		

## special gaskets

### group gaskets

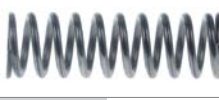
#### group 7


			
1			
<b>No.</b>	528803	<b>Ref. No.</b>	L100/A L100AG
<b>description</b>	group gasket L 109mm W 97mm thickness 2mm fibre suitable for MARZOCCO		


			
1			
<b>No.</b>	526867	<b>Ref. No.</b>	L100AG
<b>description</b>	group gasket L 109mm W 97mm thickness 2mm hole distance 87.5mm Viton suitable for MARZOCCO		


## springs


### compression springs


			
1			
<b>No.</b>	526877	<b>Ref. No.</b>	L165/4
<b>description</b>	compression spring ø 10.3mm L 34mm wire gauge ø 1.2mm		

			
1			
<b>No.</b>	528503	<b>Ref. No.</b>	L165/7
<b>description</b>	compression spring ø 10.5mm L 32mm wire gauge ø 1.4mm		


			
1			
<b>No.</b>	526876	<b>Ref. No.</b>	F.3.002
<b>description</b>	compression spring ø 10.5mm L 37mm wire gauge ø 1.6mm		


			
1			
<b>No.</b>	526875	<b>Ref. No.</b>	F.3.019
<b>description</b>	compression spring ø 10.7mm L 29mm wire gauge ø 1.4mm		


			
1			
<b>No.</b>	527968	<b>Ref. No.</b>	F.3.017
<b>description</b>	compression spring ø 12.5mm L 31mm wire gauge ø 1.8mm		

			
1			
<b>No.</b>	526880	<b>Ref. No.</b>	F.3.005
<b>description</b>	compression spring ø 12mm L 29.5mm wire gauge ø 1.2mm		


			
1			
<b>No.</b>	526879	<b>Ref. No.</b>	F.3.004
<b>description</b>	compression spring ø 14.5mm L 28mm wire gauge ø 2mm		


			
1			
<b>No.</b>	526878	<b>Ref. No.</b>	F.3.012
<b>description</b>	compression spring ø 14.9mm L 16.7mm wire gauge ø 1.8mm		


			
1			
<b>No.</b>	526874	<b>Ref. No.</b>	L165/1
<b>description</b>	compression spring ø 25mm L 18mm wire gauge ø 1.8mm		


			
1			
<b>No.</b>	527969	<b>Ref. No.</b>	F.3.018
<b>description</b>	compression spring ø 8mm L 21mm wire gauge ø 0.4mm		


## manometers

			
1			
<b>No.</b>	541285	<b>Ref. No.</b>	L280 L280R
<b>description</b>	manometer double scale ø 60mm pressure range 0-3 / 0-15bar connection on the backside thread 1/8"		

			
1			
<b>No.</b>	541759	<b>Ref. No.</b>	L280 L280/R
<b>description</b>	manometer double scale ø 60mm pressure range 0-3 / 0-18bar connection on the backside thread 1/8" suitable for MARZOCCO white/red		

			
1			
<b>No.</b>	541202	<b>Ref. No.</b>	L280 L280R
<b>description</b>	manometer double scale ø 63mm pressure range 0-3 / 0-15bar connection on the backside thread 1/8"		

			
1			
<b>No.</b>	541760	<b>Ref. No.</b>	E.3.001 E.3.001/01
<b>description</b>	manometer ø 41mm pressure range 0-18bar thread 1/8" marking 9, 12 water connection on the backside with capillary pipe		


			
1			
<b>No.</b>	541761	<b>Ref. No.</b>	E.3.002
<b>description</b>	manometer ø 41mm pressure range 0-3bar thread 1/8" marking 1.5 steam connection on the backside with capillary pipe		

## fastening material

### screws

### cylinder head bolts

DIN 912/ISO 4762

			
1			
<b>No.</b>	560031	<b>Ref. No.</b>	L120/2
<b>description</b>	cylinder head bolt thread M6 thread L 10mm WS 5 SS Qty 20 pcs DIN 912/ISO 4762		



1

No.	560417	Ref. No.	L110
description	cylinder head bolt thread M8 L 55mm thread L 29mm WS 6 SS Qty 1 pcs head ø 13mm head thickness 8mm DIN 912/ISO 4762		

## nuts

## hexagonal nuts

## hexagonal nuts inch thread



1

No.	503155	Ref. No.	L168/1
description	nut thread 1/2" H 7mm WS 25 brass Qty 1 pcs		

## washers

## washers

## DIN 9021



1

No.	528761	Ref. No.	L165/9
description	plain washer ID ø 6.5mm ED ø 18mm thickness 1.5mm SS Qty 1 pcs		

## miscellaneous



1

No.	526864	Ref. No.	L165/2
description	plain washer ID ø 16mm ED ø 26mm thickness 1mm brass Qty 1 pcs		



1

No.	560415	Ref. No.	F.3.016 F.3.016/LM
description	plain washer ID ø 4.5mm ED ø 9mm thickness 0.7mm SS Qty 1 pcs		



1

No.	526857	Ref. No.	L120/2A N/A
description	plain washer ID ø 6.4mm ED ø 12mm thickness 1mm copper Qty 1 pcs		



1

No.	526863	Ref. No.	L165/9B
description	plain washer ID ø 6mm ED ø 21mm thickness 1.5mm brass Qty 1 pcs		



1

No.	526862	Ref. No.	I.4.001
description	plain washer ID ø 7mm ED ø 14mm thickness 0.5mm brass Qty 1 pcs		



1

No.	526861	Ref. No.	F.3.014
description	plain washer ID ø 8.4mm ED ø 15mm thickness 1mm SS Qty 1 pcs		

## fasteners

## retaining rings

## DIN 471



1

No.	529702	Ref. No.	L165/3
description	retaining ring spindle shaft ø 16mm thickness 1mm steel DIN 471		

## cotter pins



1

No.	528762	Ref. No.	L165/8
description	cotter pin ø 1.8mm L 17mm		