

11/2016

Mod: ICEV500A



Diamond
catering equipment



LIST OF THE EXPLODED VIEWS

From s/n. 297566 up Today



SHELL ASSY

COOLING SYSTEM

HYDRAULIC CIRCUIT

SPRAYER PUMP

ELECTRIC PARTS

From s/n.141196 till s/n. 297565



SHELL ASSY

COOLING SYSTEM

HYDRAULIC CIRCUIT

SPRAYER PUMP

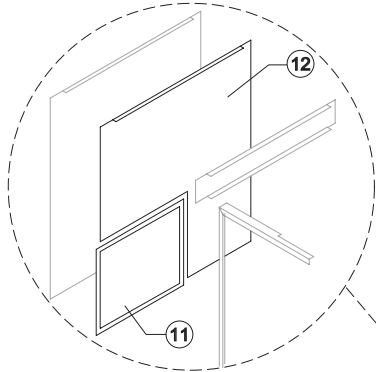
ELECTRIC PARTS



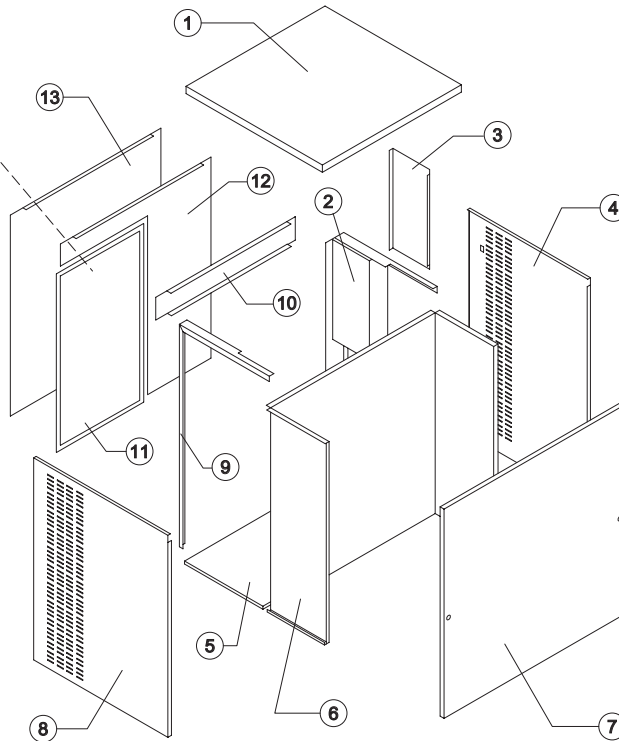
From s/n. 297566 up Today

SHELL ASSY

OLD



NEW



Common Parts

Ref.	Spare Description	Code
1	Top Assembly	C22813
2	Right Angle Bar	22814
3	Electrical Box Cover	21323
4	Right Side Panel	22408
5	Base Plate	22812
6	Evaporator Chamber	22819
7	Front Panel Assembly	C22816
8	Left Side Panel	22822
9	Left Angle Bar	22820
10	Rear Cross Bar	22817

Parts for Air-Cooled Version Only

Ref.	Spare Description	Code
11*	Filter	See Table -
12	Rear Panel	See Table -

Parts for Water-Cooled Version Only

Ref.	Spare Description	Code
13	Rear Panel	21285

Ref. 11 - Filter

Version	Code
NEW	18178
OLD	18163

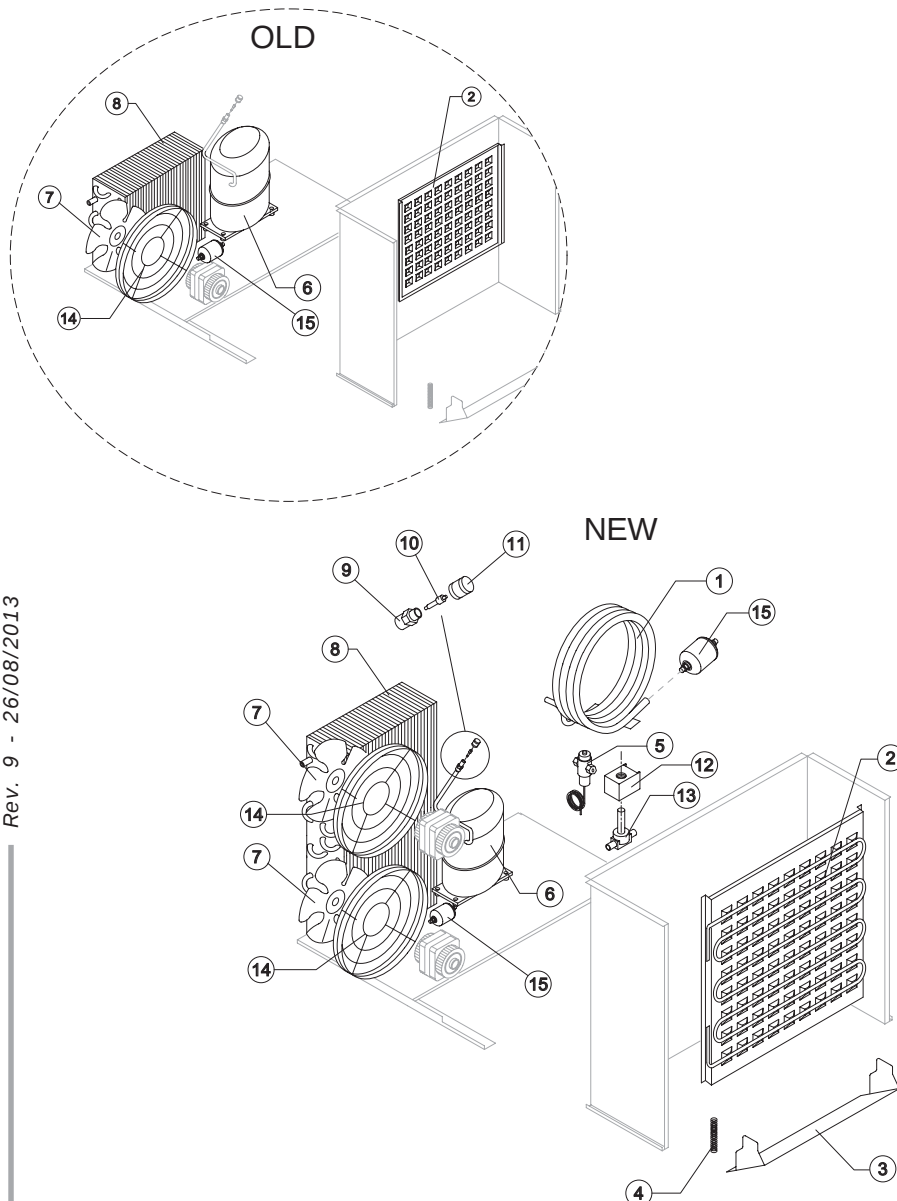
Ref. 12 - Rear Panel

Version	Code
NEW	21324
OLD	21286



From s/n. 297566 up Today

COOLING SYSTEM



Common Parts

Ref.	Spare Description	Code
2	Evaporator	See Table
3	Horizontally Hinged Panel	22608
4	Spring	20464
6	Compressor	See Table
9	Vacuum-Charge Valve Body	14007
10*	Vacuum-Charge Valve Device	14005
11*	Vacuum-Charge Valve Plug	14006
12*	Hot Gas Valve Coil	See Table
13*	Hot Gas Valve Body	20409
15*	Liquid Line Drier	14084

Parts for Air-Cooled Version Only

Ref.	Spare Description	Code
7	Sucking Fan	See Table
8	Air Condenser	See Table
14	Fan Motor Grid	12054

Parts for Water-Cooled Version Only

Ref.	Spare Description	Code
1	Water Condenser	14081
5	Pressostatic Valve	20210

Ref. 1 - Evaporator

Version	Code
NEW	D10228
OLD	D10227

Ref. 6 - Compressor

Voltage	NEW	OLD
T11	23840	23543
T12	23897	23642
T18	23642 Till s/n. 605530	23642

Ref. 7 - Sucking Fan

Voltage	Code
NEW	20153
OLD	20407

Ref. 8 - Air Condenser

Voltage	Code
NEW	20406
OLD	20670

Ref. 12* - Hot Gas Valve Coil

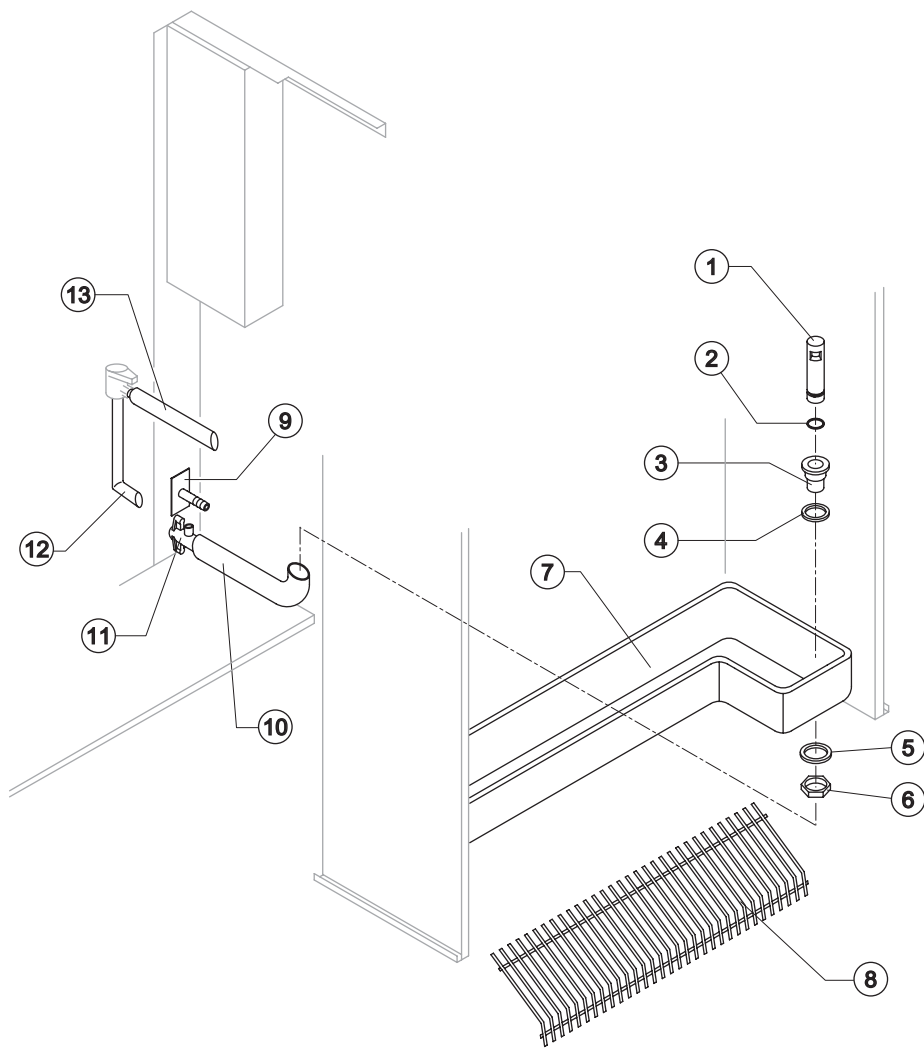
Voltage	Code
T11	23091
T12	23091
T18	23843 Till s/n. 605530



From s/n. 297566 up Today

HYDRAULIC CIRCUIT

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Common Parts

Ref.	Spare Description	Code
1*	Overflow Pipe	10133
2*	OR Gasket for Overflow Pipe	20233
3	Overflow Pipe Nipple	10471
4	Silicone Gasket	13006
5	Semirigid Polyethylene Gasket	13007
6	Bin Discharge Nut	10096
7	Water Basin	10395
8	Ice Cubes Slide	D12057
10	Overflow Pipe Nipple	13120
11	Drain Nipple	10431
12	Discharge Valve Connection Pipe - Discharge	13040
13	Discharge Valve Connection Pipe ("T" Shaped)	13102

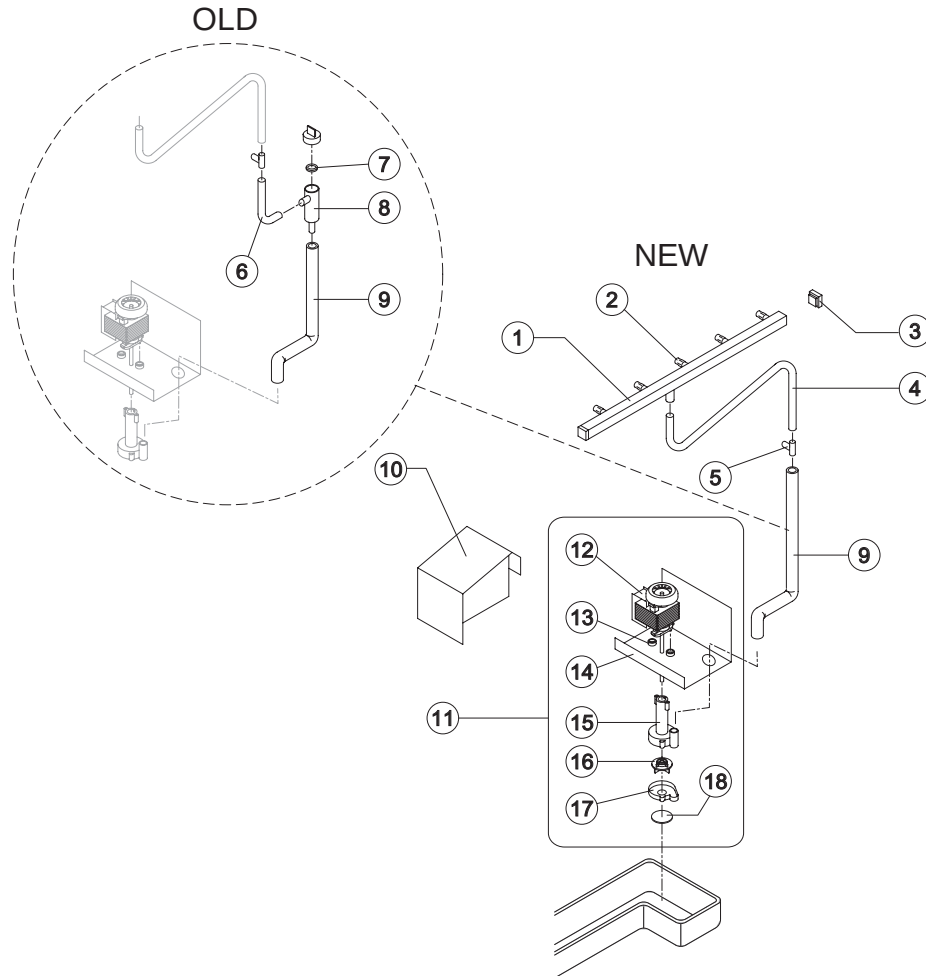
Parts for Water-Cooled Version Only

Ref.	Spare Description	Code
9	Connection with Plate	C20462



From s/n. 297566 up Today

SPRAYER PUMP



Ref.	Spare Description		Code
1*	Sprayers Bar Assembly		C20465
2	Sprayer		D20002
3	Sprayers Bar Plug		10012
4	Sprinkler Bar Connecting Pipe ("T" Shaped)		13134
5	Plastic "T" ø 20		10082
6	Sprayers Feeding Pipe	OLD version	13005
7	Pump Filter Gasket	OLD version	13080
8	Pump Filter	OLD version	10139
9	"T" - Pump Connection Pipe	See Table	-
10	Protection Pump Panel		22804
11*	Pump Assembly	See Table	-
12	Pump	See Table	-
13	Pump Motor Shim		20510
14	Pump Motor Support		22799
15	Pump Body		10065
16	Pump Impeller	See Table	-
17	Diffusor		10067
18	Pump Filter		20518

Ref. 9 - "T" - Pump Connection Pipe

Version	Code
NEW	13113
OLD	13157

Ref. 12 - Pump

Voltage	Code
T11	23073
T12	23187
T18	23187 Till s/n. 605530

Ref. 11* - Pump Assy

Voltage	Code
T11	C23624
T12	C23616
T18	C23616 Till s/n. 605530

Ref. 16 - Pump Impeller

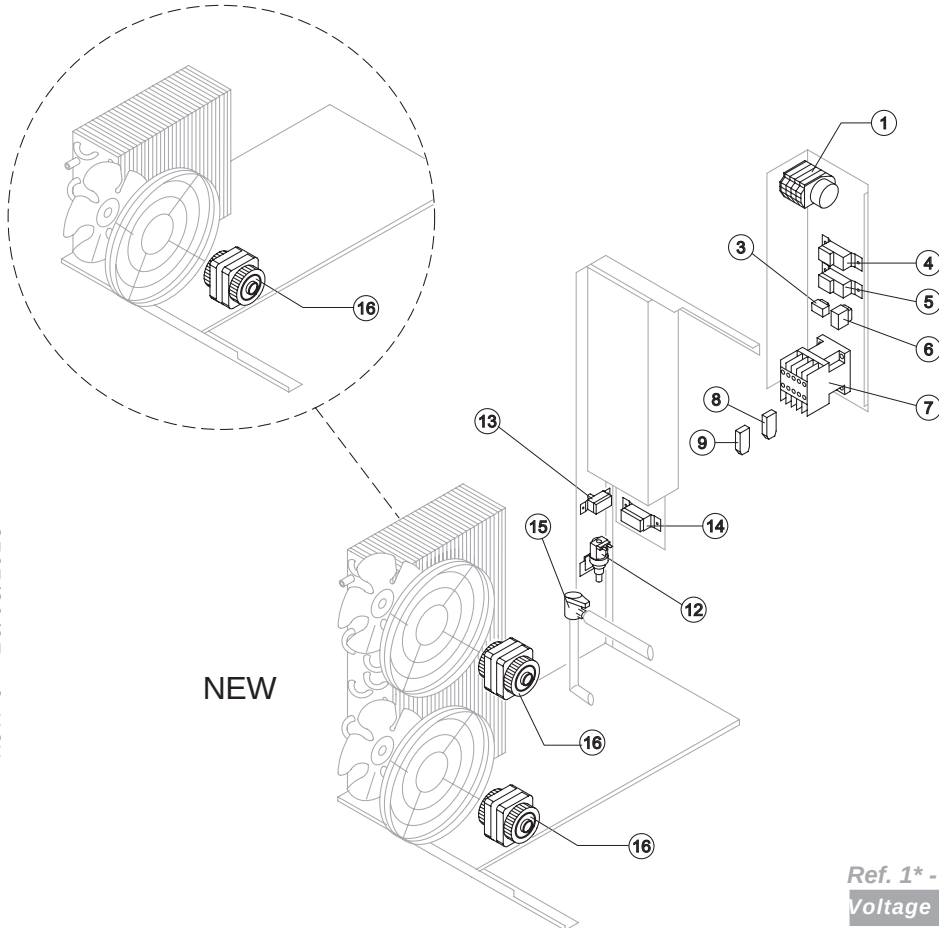
Voltage	Code
T11	10066
T12	10138
T18	10138 Till s/n. 605530



From s/n. 297566 up Today

ELECTRIC PARTS

OLD



NEW

Common Parts

Ref.	Spare Description	Code
1*	Timer	See Table -
3	"Cleaning" Switch	23619
4*	Bin Thermostat	R23005
5*	Evaporator Thermostat	R23597
6*	Green Light Switch (On-Off)	23327
7*	Contactor	See Table -
12*	1 Way- Water Inlet Valve	23787
13	Safety Pressure Switch	23342
15*	Water Outlet Valve	23537

Parts for Air-Cooled Version Only

Ref.	Spare Description	Code
8	Anti Radio Interference Filter	Only T11 C23459
9	Anti Radio Interference Filter	Only T11 C23458
14*	Condenser Pressure Switch	See Table -
16*	Fan Motor	23121

Ref. 1* - Timer

Voltage	Code
T11	23635
T12	23632
T18	23632 Fino a Matr. 605530

Ref. 7* - Contactor

Voltage	Code
T11	23147
T12	23963
T18	23963 Fino a Matr. 605530

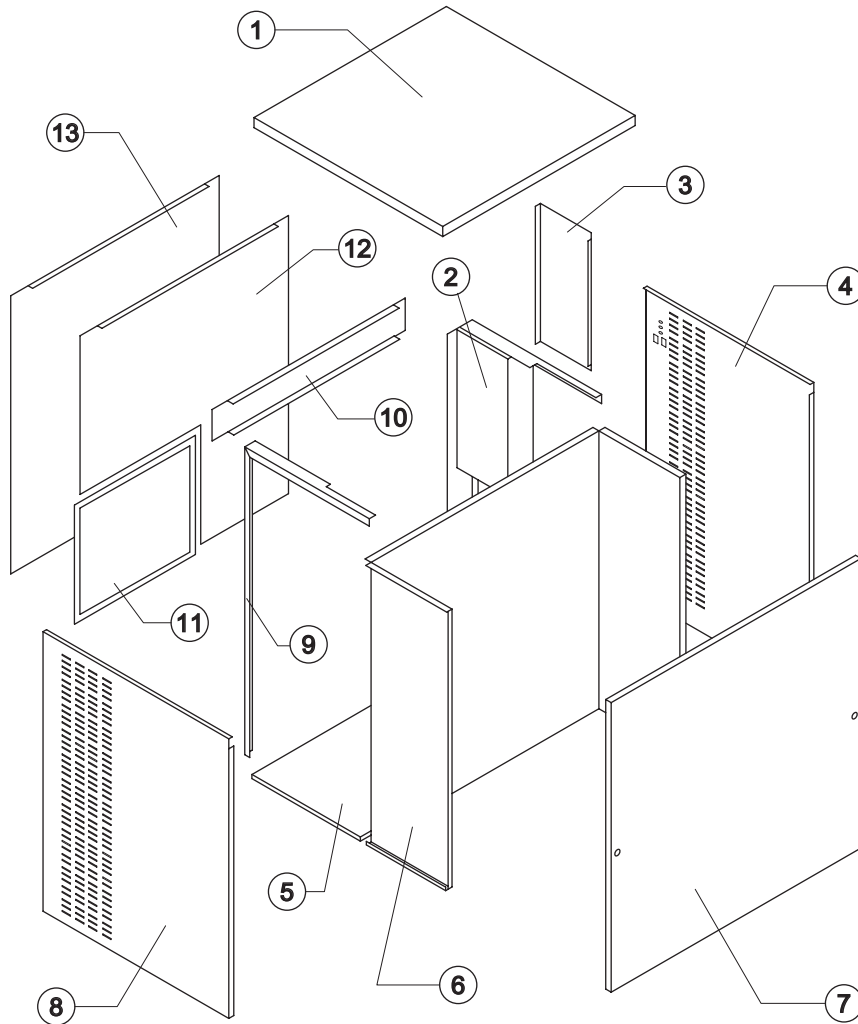
Ref. 14* - Cond. Pressure Switch

Voltage	Code
T11	23175
T12	23175
T18	23680 Fino a Matr. 605530



From s/n. 141196 till s/n. 297565

SHELL ASSY



Common Parts

Ref.	Spare Description	Code
1	Top Assembly	C22813
2	Right Angle Bar	22814
3	Electrical Box Cover	21274
4	Right Side Panel	22821
5	Base Plate	22812
6	Evaporator Chamber	22819
7	Front Panel Assembly	C22816
8	Left Side Panel	22822
9	Left Angle Bar	22820
10	Rear Cross Bar	22817

Parts for Air-Cooled Version Only

Ref.	Spare Description	Code
11	Filter	18163
12	Rear Panel	21286

Parts for Water-Cooled Version Only

Ref.	Spare Description	Code
13	Rear Panel	21285



From s/n. 141196 till s/n. 297565

COOLING SYSTEM

Common parts

Ref.	Spare Description	Code
2	Evaporator	D10227
3	Horizontally Hinged Panel	22608
4	Spring	20464
6	Compressor	See Table -
9	Vacuum-Charge Valve Body	14007
10	Vacuum-Charge Valve Device	14005
11	Vacuum-Charge Valve Plug	14006
12	Hot Gas Valve Coil	See Table -
13	Hot Gas Valve Body	20409

Parts for Air-Cooled Version Only

Ref.	Spare Description	Code
7	Sucking Fan	20407
8	Air Condenser	20670
14	Fan Motor Grid	12056

Parts for Water-Cooled Version Only

Ref.	Spare Description	Code
1	Water Condenser	14081
5	Pressostatic Valve	20210

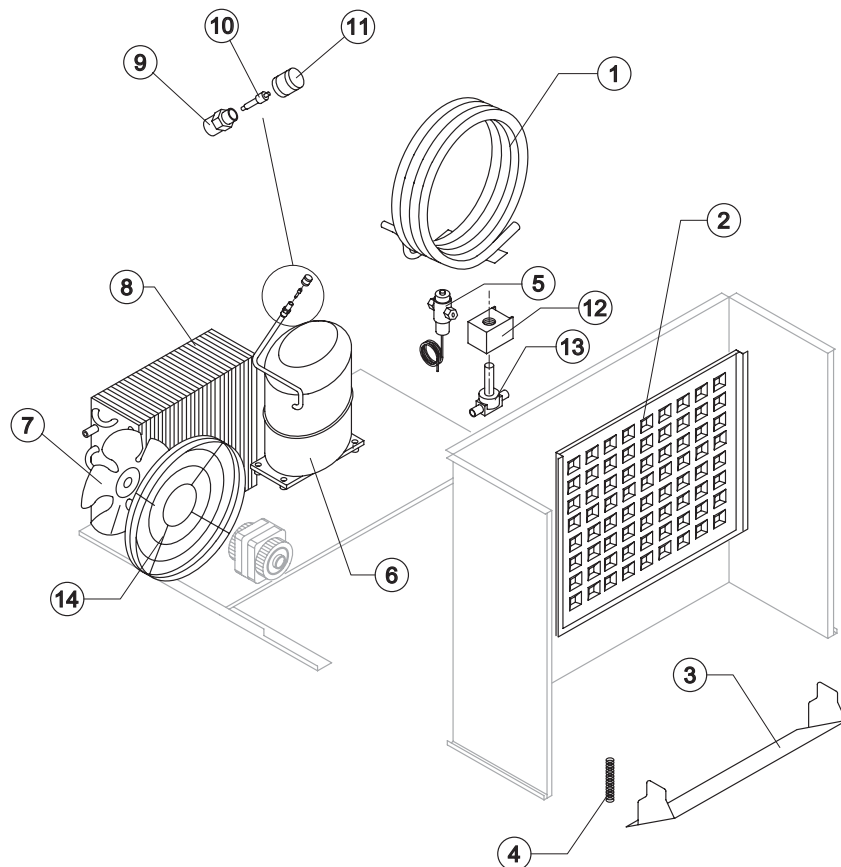
Ref. 6 - Compressor

Voltage	Code
T11	23543
T12	23642
T18	23642

Rif. 12- Bobina Valv. Inv. Ciclo

Voltage	Code
T11	23091
T12	23091
T18	23843

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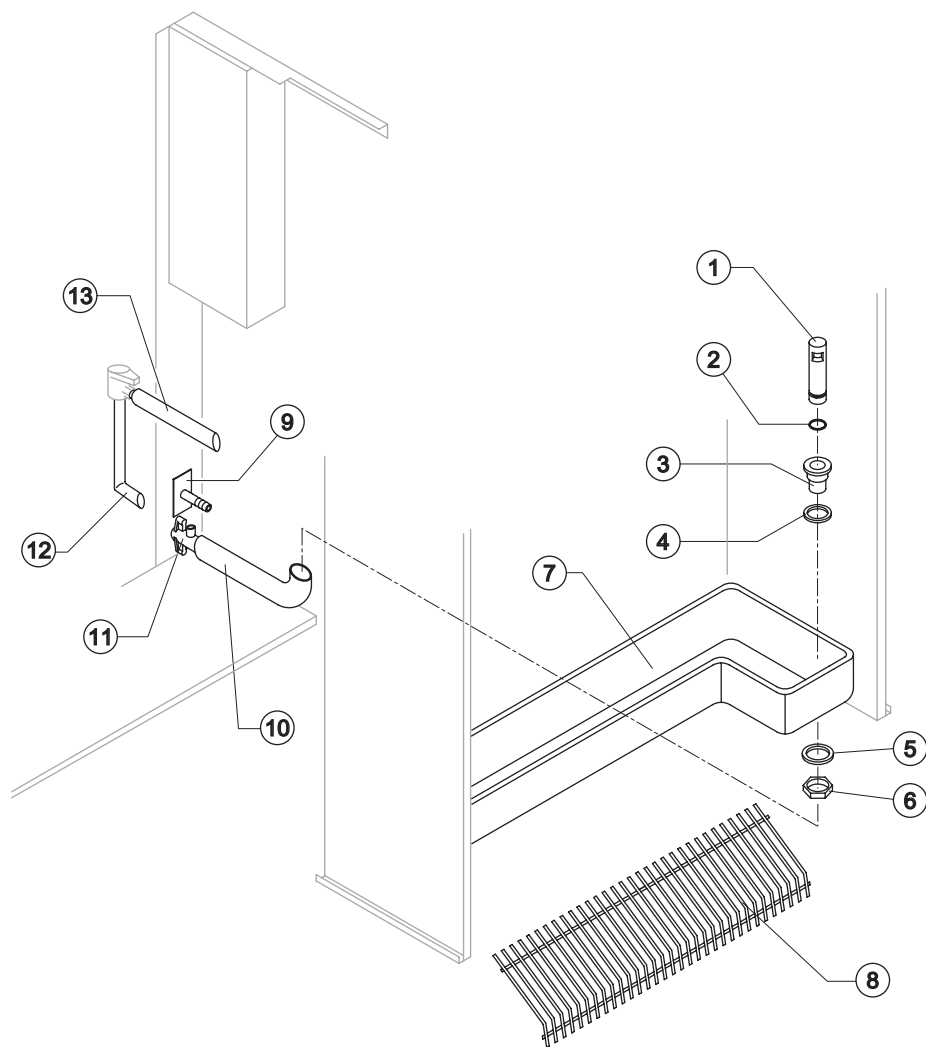




From s/n. 141196 till s/n. 297565

HYDRAULIC CIRCUIT

Rev. 9 - 26/08/2013



Common parts

Ref.	Spare Description	Code
1	Overflow Pipe	10133
2	OR Gasket for Overflow Pipe	20233
3	Overflow Pipe Nipple	10241
4	Silicone Gasket	13006
5	Semirigid Polyethylene Gasket	13007
6	Bin Discharge Nut	10096
7	Water Basin	10395
8	Ice Cubes Slide	D12057
10	Overflow Pipe Nipple	13120
11	Drain Nipple	10431
12	Discharge Valve Connection Pipe - Discharge	13040
13	Discharge Valve Connection Pipe ("T" Shaped)	13102

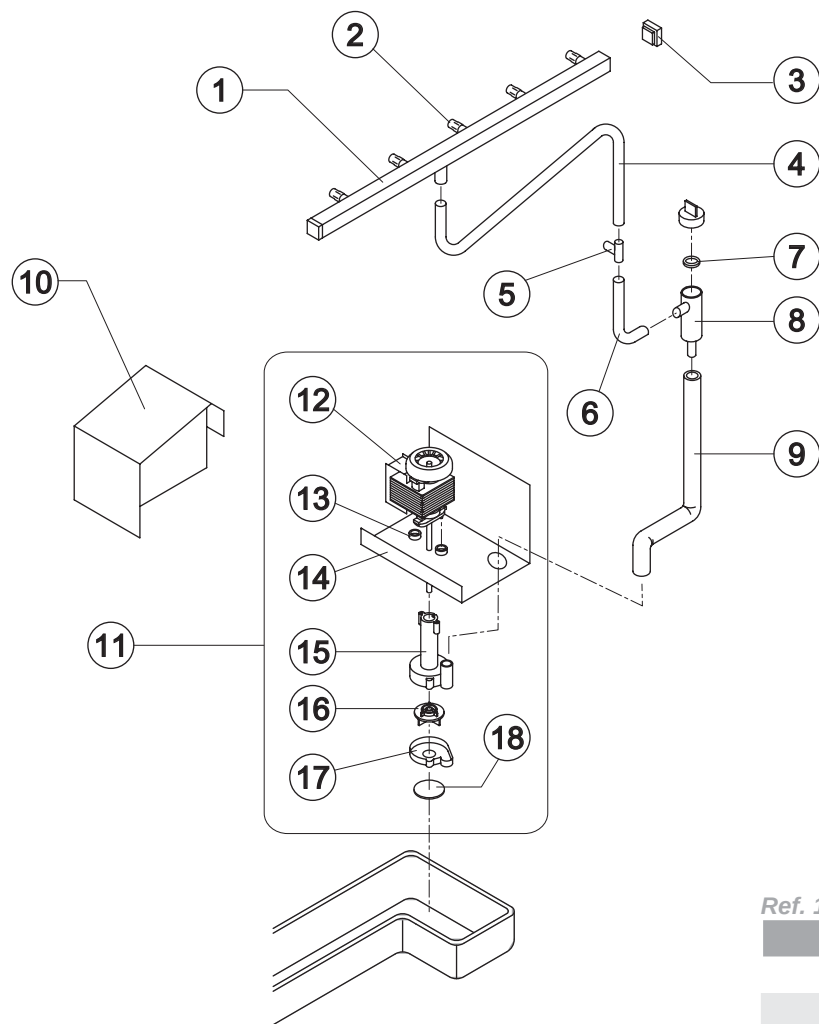
Parts for Water-Cooled Version Only

Ref.	Spare Description	Code
9	Connection with Plate	C20462



From s/n. 141196 till s/n. 297565

SPRAYER PUMP



Ref.	Spare Description	Code
1	Sprayers Bar Assembly	C20465
2	Sprayer	D20002
3	Sprayers Bar Plug	10012
4	Sprinkler Bar Connecting Pipe ("T" Shaped)	13134
5	Plastic "T" ø 20	10082
6	Sprayers Feeding Pipe	13005
7	Pump Filter Gasket	13080
8	Pump Filter	10139
9	"T" - Pump Connection Pipe	13157
10	Protection Pump Panel	22804
11	Pump Assembly	See Table -
12	Pump	See Table -
13	Thickness Pump Motor	20510
14	Pump Motor Support	22799
15	Pump Body	10065
16	Pump Impeller	See Table -
17	Diffusor	10067
18	Pump Filter	20518

Ref. 11 - Pump Assy

Voltage	Code
T11	C23624
T12	C23616
T18	C23616

Ref. 12 - Pump

Voltage	Code
T11	23073
T12	23187
T18	23187

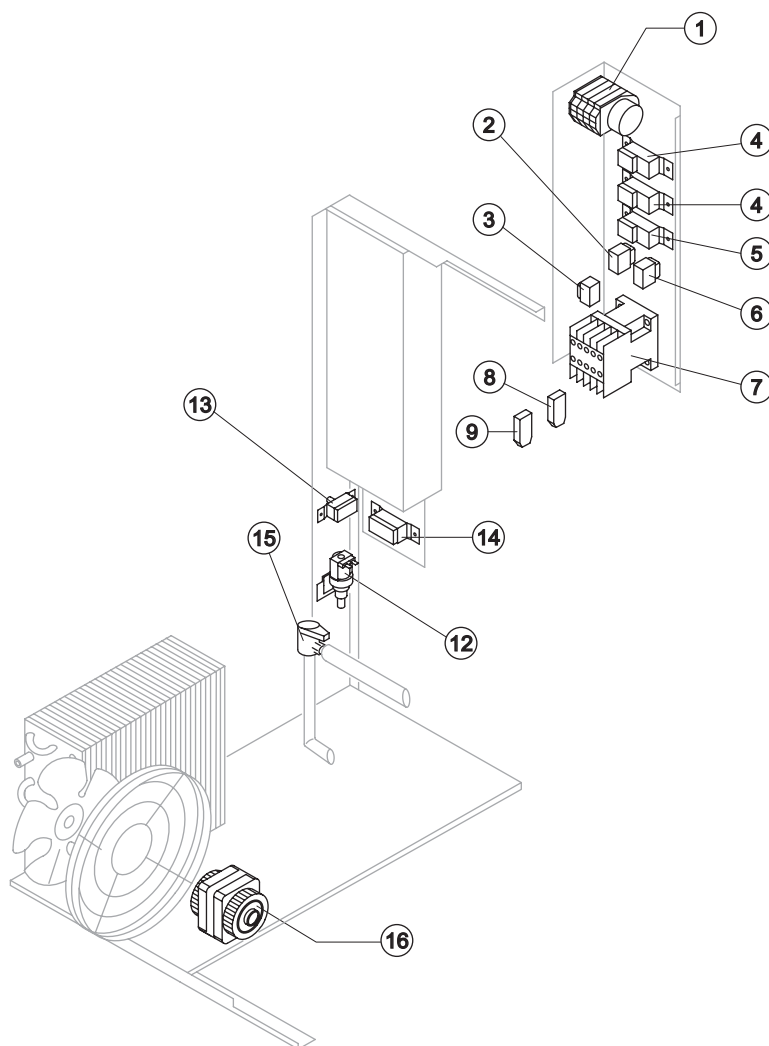
Ref. 16 - Pump Impeller

Voltage	Code
T11	10066
T12	10138
T18	10138



From s/n. 141196 till s/n. 297565

ELECTRIC PARTS



Common parts

Ref.	Spare Description	Code
1	Timer	See Table
2	Light Switch "Economy-Full"	23611
3	"Cleaning" Switch	23619
4	Bin Thermostat	R23005
5	Evaporator Thermostat	R23597
6	Green Light Switch (On-Off)	23327
7	Contactor	See Table
12	1 Way- Water Inlet Valve	23787
13	Safety Pressure Switch	23342
15	Water Outlet Valve	23537

Parts for Air-Cooled Version Only

Ref.	Spare Description	Code
8	Anti Radio Interference Filter	Only T11 C23459
9	Anti Radio Interference Filter	Only T11 C23458
14	Condenser Pressure Switch	See Table -
16	Fan Motor	23121

Ref. 1 - Timer

Voltage	Code
T11	23635
T12	23632
T18	23632

Ref. 7* - Contactor

Voltage	Code
T11	23147
T12	23963
T18	23963

Ref. 14 - Cond. Pressure Switch

Voltage	Code
T11	23175
T12	23175
T18	23680