

NEW GENERATION INTELLIGENT ADIABATIC SMART COOLING™ SYSTEM

MORE COOLING EFFICIENCY WITH LESS ELECTRICITY CONSUMPTION

ACCESSORIES CATALOG (ENG)
2021



Contact our technical support:

E-mail - support@smartcooling.us

Phone - +371 2681 1452

We are here to help you!

Smart Cooling™

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PUMP MODULES, WATER SYSTEMS AND PURIFICATION



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Chiller booster PRO 10 unit



Component Description

The high-pressure chiller booster PRO 10-UV unit generates 70-140 bar of pressure within the **Smart Cooling™** system. The pump station houses a uniquely developed high-pressure pump, valves and electronics for the automated operation of the system.

1. HP Premium pump 3l / min



Code: # EC307022

3l / min

30kg

2. HP Premium pump 4l / min



Code: # EC307023

4l / min

30kg

3. HP premium pump 6l / min



Code: # EC307024

6l / min

30kg

4. HP professional pump 8,5l / min



Code: # EC307133

8l / min

30kg

5. HP professional pump 10l / min



Code: # EC307134

10l / min

30kg

6. HP professional pump 12l / min



Code: # EC307135

12l / min

30kg

7. 24V float switch



Code: # TC309014

Extended water tank
feeding KIT

8. Float valve for HP pump



Code: #TC508014

Float brass valve
M1/2"

09. Water treatment system



Code: # WPM100

Component Description

Four-stage water treatment system to remove limescale, Legionella bacteria, dust and other contaminants. Water is initially filtered to remove dirt and pollutants. Afterward, the structure of lime molecules is altered to prevent limescale sediments from settling on the surfaces of the air-cooling equipment components. The structure of the lime molecule is altered by a unique electromagnetic magnet and BIO tablets, which protect metal parts and surfaces from rust. Ultimately, water is radiated with UV rays to prevent Legionella and other bacteria formation in the water.

Dropson



Component Description

The connective elements and fastenings are made from high-quality alloys, stainless-steel and aluminum. These durable materials ensure strength and reliability for all components. The innovative design of the adiabatic Smart Cooling™ system was developed for easy and quick assembly and disassembly whenever necessary; for instance, during winter months.

10. Dropson 4000



Code: # EMI4000

4,5m 3/h DN25

Each treatment cell is factory calibrated with great precision in order to guarantee its efficiency according to a flow chart and hardness level specific for each model.

11. Dropson 2500



Code: # EMI2500

2,5m3/h DN20

The E.M.I. technology offers an extraordinary performance thanks to its innovative concept and the high quality of its materials.

12. UV water sterilizer 6 l



Code: # TC509101

6 l/min 16W acciaio inox

1100gr

13. Water filter 10"



Code: # 59182K

1/2

1000gr

14. UV water sterilizer 19 l



Code: # TC509102

19 l/min 25W

1200gr

15. Water filter BB 20"



Code: # 59162K

connection 1 inch

4200gr

16. Transparent Hose 9x13



Code: # 16991

EX 9 * 13

80 gr

17. Blue hose



Code: # EC508006

1m

65 gr

18. Push-in connection



Code: # EC508004

3/8" M x 10 mm

21gr

19. Push-in connection



Code: # EC508002

1/2" M x 10 mm

48gr

20. 3/4 4-2 Way manifold



Code: # ID-A5B

metal

300gr

21. Protective cover



Code: # PAR

MC

22. H.P. Solenoid valve F1/4"



Code: # EC309007

230V 50 / 60Hz

80 bar - 1160 psi

23. Water pressure gauge 0-250 bar



Code: # 1913081001

premium / evolution

1/4"

24. Solenoid coil



Code: # EC309006

plug C4

23gr

25. Professional HW-NHD Seals



Code: # 260189

Seals KIT HD

2017

26. HS FOG Valves



Code: # 5311051001

premium - evolution

Head valves HS

27. HS Seals



Code: # 5311011001

premium - evolution

23gr

28. Professional HW - NHD Valves



Code: # 260012

Valves NHD

Professional HW 2017

29. NMT Seals



Code: # TC400042

Seals KIT

NT-Fog 15/18/21

30. NMT Valve



Code: # 260008

Valve NMT

NT-Fog 15/18/21

30. XLTI Valve 35/43



Code: # 2600010

Valve NMT

NT-Fog 15/18/21

30. XLTI Seals 35 / 43



Code: # 260113

Seals XLTI

MEMBRANES AND CONTROL PANEL



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31. BY70M – Reflective Membrane with aluminum casing

Code: # MSM100



Component Description

The reflective BY70M membrane is made from a polyurethane alloy cell material mounted into an anodized aluminum casing. The structure of the cell membrane ensures its presence over the condenser does not generate resistance to the cooling fans and does not hamper the efficiency of the air-cooling unit in any way.

32. Air filter material

Code: # TM-25280



MB5 150 x 200 x 10

Small pores

33. Air filter material

Code: # TM-25450



MB5 150 x 200 x 10

Large pores

34. Control panel

Code: # CP100



Component Description

The PRO 1 Control Panel, which fully regulates the operational processes of the **Smart cooling™** system, starts-up the system automatically when a certain temperature is reached. Manufactured from high quality PE components, the PRO 1 Control Panel intelligently initiates and shuts down the system and can also be connected to the HVAC BMS management system for ease of operation.

35. Current switch

Code: # RIBXGA



RIB

130gr

36. Humidity and temperature sensor PRO

Code: # LP



rod-shaped Ø 12mm

With permanently attached cable.

37. PRO 1 – Control Panel

Code: # 12/24RCE



71.5 (4 MW) x 90x60 mm

on 35 mm DIN rail

38. Contactor

Code: # CTSE791



9A 3P 1NO

24VAC

NOZZLES AND PIPES



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39. BY 70 SS – Nozzle Panel.

Code: #SSNP100

Component Description



The BY70SS nozzle panel is manufactured from high-quality stainless-steel and aluminum alloy. The stainless-steel nozzle routing is embedded in a robust anodized aluminium casing that ensures longevity and endurance of the Smart Release fine water-spraying components. The BY70SS nozzle panel casing was uniquely developed to facilitate quick installation and easy maintenance. The nozzle is attached to the casing unit by crafted fasteners to ensure safe and reliable fixing to any air-cooling equipment.

40. Nozzles 20 mic

Code: # ID-N11



SS 20

8gr

41. Nozzles 30 mic

Code: # ID-N12



SS 30

8gr

42. Nozzles 40 mic

Code: # ID-N13



SS 40

8gr

43. Nozzle filter

Code: # ID-FP10



SS - 20 / 30 / 40

44. Nozzle ceramic disc 20 mic

Code: # ID-CDN11



20 mic

45. Nozzle ceramic disc 30 mic

Code: #ID-CDN12



30 mic

46. Nozzle sealing

Code: # SF 018



SS 20 / 30 / 40

47. SS pipe

Code: # FB-SS150B



SS - 1500/F

150gr

48. SS pipe



Code: #FB-SS200B

SS-2000/F

150gr

49. SS pipe



Code: # FB-SS100B

SS - 1000/F

150gr

50. Nozzle panel - end cap



Code: # PL1

PL1

4gr

51. Nozzle panel - end cap



Code: # PL2

PL2

4gr

52. Drain panel - end cap



Code: # PL3

PL3

4gr

53. High pressure flexible hose



Code: # HLV250162

1/4"(300mm)

200gr

54. SS nozzle plug



Code: #ID-A13

FGD

3gr

55. Hexagonal key

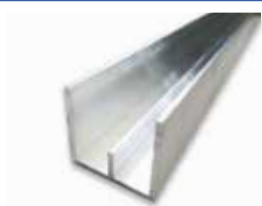


Code: # ID-F32

3mm, AT

5gr

56. E-profile



Code: #ID-E13

E

aluminium

FASTENERS AND FITTINGS



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56. SS Pipe connector



Code: # 3024-03PS

SN

44gr

57. SS Nippel



Code: # ID-F25

1/2, tube 1/4, NPSS

5gr

58. SS pipe fitting



Code: # 3026-03PS

T/F

80gr

59. SS pipe fitting



Code: # 3036-03PS

L/F

64gr

60. SS Pipeend fitting without nozzle



Code: # 3040-03PS

SG/F

40gr

61. SS Pipe fitting end with one nozzle



Code: # 3041-03PS

SGS/F

40gr

62. SS Pipe X fitting



Code: # 3039-03PS

X/F

103gr

63. SS Pipe fitting 1 nozzle



Code: # 3022-03PS

S/F

50gr

64. Screw for fitting SS



Code: # 4H10

M4x10

1gr

65. Plug for SS fitting



Code: # 3032-03PS

G/F

13gr

66. Connecting part E for profile L drive



Code: # SMP33

P-33

110gr

67. Nozzle panel bracket (L)



Code: # NPB5.1L

Left

300gr

68. Nozzle panel bracket (R)



Code: #NPB5.1R

Right

300gr

69. Nozzle panel bracket



Code: # NPB90

AR27, 90 AR

57gr

70. Nozzle panel bracket



Code: # MHIE

45 IE , IE36

53 gr

71. Membrane bracket top side



Code: # NPBAR1

AR1, (L)90 AR

32gr

72. Nozzle panel bracket



Code: # NPBIE36

IE36

53 gr

73. Membrane top holders



Code: # MHFZ

FZ

41gr

74. Connecting part E for profile L drive



Code: # CPELJL1R

JL1R

147gr

75. Nozzle panel bracket



Code: # MHKIT

KIT

100gr

76. Water recirculation module



Component Description

Code: # RK100

The Water Recirculation Module ensures total water usage and recirculation. Designed for purity and efficacy, the module collects non-evaporated water, which is re-filtered and reintroduced into the adiabatic system.

77. 24V float switch



Code: # TC309014

Extended water tank feeding KIT

78. CompactON pump



Code: # CP1

Hose Ø suction side
25.00 mm

Hose Ø pressure side
19.00 mm

79. Peripheral Pump CT 61



Code: # SMCT361

Close-coupled peripheral pump (regenerative pump)

MAINTENANCE KIT



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80. Granules



Code: # CW350SR

CW35 Series

1200 gr

Scale and Corrosion Inhibitor

81. Pump oil



Code: # P0100

PO

0,3 l

82. UV lamp



Code: # TC509151

TUV 15/16W

22gr

83. UV lamp



Code: # TC509152

TUV 25W

41gr

84. Cartridge for biochemistry



Code: # AP-E-20BB

BB27

715gr

85. Filter cartridge 5 microns BB35



Code: # 59205

5"

130gr

86. Filter cartridge 10 microns BB35



Code: # 59210

10"

130gr

87. Filter cartridge 20 microns BB35



Code: # 59220

20"

130gr

88. Cartridge for water softening



Code: # FCCST20BB

59534

20"

89. HS premium pump seals



Code: # 5311011001

premium

25gr

MAINTENANCE TOOLS LIST



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90. Maintenance water pump



Code: # SMWP100

XL-battery

200 gr

91. Torque Screwdriver XH3



Code: # SMTS100

2.2 N·m (newton meters)

(3mm)

SMART COOLING™ OPERATE IN 45 COUNTRIES



WWW.SMARTCOOLING.US

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