

Domitran

**Composite Technologies
Industrial Innovations**

Cooling towers -RTD

RTD cooling towers series working as open evaporation cooling towers and they are made by GRP composite materials, filling material and with axial ventilator. The water flow rate is between 5 and 130 m³/h, for the temperatures are in a range of 28 / 36 degrees Celsius the cooling capacity goes from 45 to 1200 kW.

Application of RTD Cooling Towers

Chemical industry: petrochemicals, refineries, pharmaceuticals, processing of gases, plastics, chemicals, etc.

Food industry: breweries, sugar, oilseeds, dairies, meat industry, cauliflowers, salt plants, fruit plants, vegetable processing, grain, refrigerators, etc.

Metal processing and other industries: blacksmiths plants, casting metal plants, rolling mills plants, cement plants, metalworking and Polymer process plants.

Cooling units with water cooled condensers, Air conditioning plants, Other thermal and process plants.

Characteristic of RTD Cooling Towers

- Application of composite materials ensures long life of the cooling system without affecting the quality of refrigerant media
- Low mass
- Simple and easy installation
- Minimum maintenance
- Flow control
- Reliability and long life product
- Possibility of making special and non-standard cooling tower designs or cooling whole system



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RTD Cooling Towers Tehnical Data

Type	Air flow [m ³ /s]	Motor [kW]	Water flow [m ³ /h]	Dimensions L x W x H [mm]	Connection Pipe inlet	Connection Pipe outlet	Mass in work [kg]
RTD-100/3	2,8	1,1	5 - 20	Ø1000x2450	R 2 1/2"	R 4 "	cca 200
RTD-100/6	2,32	1,1	8 - 23	Ø1000x2750	R 2 1/2"	R 4 "	cca 210
RTD-100/9	2	1,1	9 - 29	Ø1000x3050	R 2 1/2"	R 4 "	cca 220
RTD-140/3	4,4	1,5	7 - 33	Ø1400x2450	R 2 1/2"	R 4 "	cca 285
RTD-140/6	3,6	1,5	9 - 37	Ø1400x2750	R 2 1/2"	R 4 "	cca 305
RTD-140/9	2,8	3	11 - 39	Ø1400x3050	R 2 1/2"	R 4 "	cca 335
RTD-180/3	4,5	4	20 - 45	Ø1800x3150	DN 80	DN 150	cca 485
RTD-180/6	3,8	4	28 - 48	Ø1800x3250	DN 80	DN 150	cca 498
RTD-180/9	3,1	4	32 - 58	Ø1800x3450	DN 80	DN 150	cca 520
RTD-180/P5 3	2,3	7,2	45 - 86	3200x1800x3200	2 x DN 110	DN 250	cca 741
RTD-180/ P5 6	2	7,2	50 - 95	3200x1800x3400	2 x DN 110	DN 250	cca 785
RTD-180/P5 9	1,9	7,2	62 - 125	3200x1800x3700	2 x DN 110	DN 250	cca 812



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