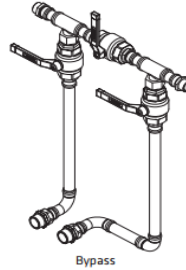


COAIRE

RDP series

REFRIGERATED COMPRESSED AIR DRYERS

operating pressure 16 / 14 bar



RDP SERIES											
MODEL	Air flow		Operating pressure bar	Power supply I/V/Hz	Dimensions			Air connections	Condensate drain	Refrigerant	CODE
	Nm ³ /h	scfm			W (mm)	L (mm)	H (mm)				
RDP 20	20	11,76	16	1/230/50	358	455	604	G 3/8" BSP-F	EMD	R 134a	2057023
RDP 35	35	20,59	16	1/230/50	358	455	604	G 3/8" BSP-F	EMD	R 134a	2057024
RDP 50	50	29,41	16	1/230/50	358	455	604	G 3/4" BSP-F	EMD	R 134a	2057025
RDP 75	75	44,12	16	1/230/50	358	455	604	G 3/4" BSP-F	EMD	R 134a	2057026
RDP 100	100	58,82	16	1/230/50	358	455	604	G 3/4" BSP-F	EMD	R 134a	2057027
RDP 140	140	82,35	16	1/230/50	486	580	904	G 1" BSP-F	EMD	R 134a	2057028
RDP 180	180	105,88	16	1/230/50	486	580	904	G 1" BSP-F	EMD	R 134a	2057029
RDP 235	235	138,24	16	1/230/50	486	580	904	G 1" BSP-F	EMD	R 134a	2057030
RDP 300	300	176,47	16	1/230/50	486	580	904	G 1 1/2" BSP-F	EMD	R 134a	2057031
RDP 380	380	223,53	16	1/230/50	596	735	1,104	G 1 1/2" BSP-F	EMD	R 134a	2057032
RDP 480	480	282,35	16	1/230/50	596	735	1,104	G 1 1/2" BSP-F	EMD	R 134a	2057033
RDP 600	600	352,94	16	1/230/50	718	697	1,405	G 2" BSP-F	EMD	R 134a	2057034
RDP 750	750	441,18	16	3/400/50	596	735	1,104	G 2" BSP-F	EMD	R 134a	2057035
RDP 950	950	558,82	16	3/400/50	718	697	1,405	G 2" BSP-F	EMD	R 134a	2057036
RDP 1150	1150	676,47	16	3/400/50	823	837	1,426	G 2 1/2" BSP-F	EMD	R 134a	2057037
RDP 1300	1300	764,71	16	3/400/50	823	837	1,426	G 2 1/2" BSP-F	EMD	R 134a	2057038
RDP 1500	1500	882,35	16	3/400/50	900	1,100	1,500	G 2 1/2" BSP-F	EMD	R 134a	2057039
RDP 1900	1900	1.117,65	16	3/400/50	900	1,100	1,500	DN80	EMD	R 134a	2057040
RDP 2600	2600	1.529,41	14	3/400/50	1,200	1,250	1,750	DN100	EMD	R 134a	2057041
RDP 3400	3400	2.000,00	14	3/400/50	1,200	1,250	1,750	DN100	EMD	R 134a	2057042
RDP 4400	4400	2.588,24	14	3/400/50	1,200	1,250	1,750	DN125	EMD	R 134a	2057043
RDP 5400	5400	3.176,47	14	3/400/50	1,350	1,800	1,850	DN125	EMD	R 134a	2057044
RDP 6600	6600	3.882,35	14	3/400/50	1,350	1,800	1,850	DN150	EMD	R 134a	2057045
RDP 7200	7200	4.235,29	14	3/400/50	1,350	1,800	1,850	DN150	EMD	R 134a	2057046
RDP 8800	8800	5.176,47	14	3/400/50	1,350	1,800	1,850	DN200	EMD	R 134a	2057047
RDP 10800	10800	6.352,94	14	3/400/50	1,600	2,300	2,500	DN200	EMD	R 134a	2057048
RDP 13200	13200	7.764,71	14	3/400/50	1,600	2,300	2,500	DN200 PN16	EMD	R 134a	2057049

Data refer to the following nominal condition: Ambient temperature of 25 °C, with inlet air at 7 barg and 35 °C and 3 °C pressure Dew Point (-20,5 °C atmospheric pressure Dew Point).
Max. working condition: Ambient temperature 45 °C, inlet air temperature 55 °C and inlet air pressure 16 barg (RDP 20-1900), 14 barg (RDP 2600-13200).

REMARK:
- Filters are not included.

CORRECTION FACTOR FOR OPERATING PRESSURE CHANGES

Operating pressure [bar]	4	5	6	7	8	10	12	14	16
Operating pressure [psi]	58	72	87	100	115	145	174	203	232
Correction factor	0.77	0.86	0.93	1.00	1.05	1.14	1.21	1.27	1.32

CORRECTION FACTOR FOR INLET AIR TEMPERATURE CHANGES

Temperature [°C]	≤25	≤30	35	40	45	50	55
Temperature [°F]	77	86	95	104	113	122	131
Correction factor	1.2	1.12	1	0.83	0.69	0.59	0.5

CORRECTION FACTOR FOR DEW POINT CHANGES

Temperature [°C]	3	5	7	10
Temperature [°F]	37.4	41	44.6	50
Correction factor	1.00	1.099	1.209	1.385

CORRECTION FACTOR FOR AMBIENT TEMPERATURE CHANGES

Inlet temperature [°C]	≤25	30	35	40	45
Correction factor	77	86	95	104	113
Correction factor	1	0.96	0.9	0.82	0.72

Due to constan engineering improvements data is subject to change