OMD SERIES

REFRIGERATED AIR DRYERS

operating pressure	up to **14** bar
max. ambient temp.	**45** °C
pressure dew points	**3** °C
flow rate	**19** to **8800** Nm³/h
max. inlet air temp.	**55** °C

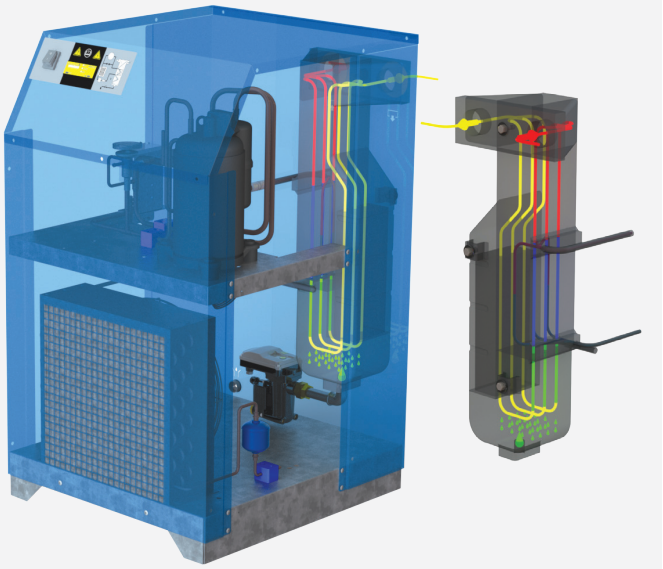
APPLICATIONS

- compressed air systems
- sized to match standard compressor outputs

DESCRIPTION

The OMD series has been designed and built to expedite inspection and maintenance operations. The easily removed panels offer immediate access to the operating components of the unit. The cleaning of the solenoid drain valve does not require the usage of service tools thanks to the quick "bayonet" valve sistem and the innovative coil clamp.

OMD dryers achieve excellent performance even in instances of high ambient and high inlet temperatures. The highly efficient and ultra compact heat exchanger is able to operate effectively in ambient temperatures up to 45°C and inlet temperatures of 55°C, ensuring a reduced compressed air pressure drop.



ENVIROMENTALLY FRIENDLY

CERTIFIED QUALITY SYSTEM ISO 9001

TECHNICAL DATA

Type	Air flow [m³/h]	Power supply	Controller	Dimensions A [mm]	B [mm]	C [mm]	Air connections	Condensate drain	Ts Thermal switch	PA high pressure switch	PB low pressure switch	Mass net-gross [kg]	Refrigerant
OMD 20	19	1/230/50-60	DMC16	310	345	435	G 3/8" BSP-F	EMD12	✓	-	-	21-23	R 134a
OMD 35	33	1/230/50-60		370	515	475	G 1/2" BSP-F	EMD12	✓	-	-	25-27	R 134a
OMD 50	52	1/230/50-60		370	515	475	G 1/2" BSP-F	EMD12	✓	-	-	26-28	R 134a
OMD 65	66	1/230/50-60		370	515	475	G 1/2" BSP-F	EMD12	✓	-	-	28-30	R 134a
OMD 100	98	1/230/50-60		370	515	475	G 1/2" BSP-F	EMD12	✓	-	-	32-34	R 134a
OMD 135	137	1/230/50-60		345	420	740	G 1" BSP-F	EMD12	✓	-	-	34-38	R 134a
OMD 175	175	1/230/50		345	445	740	G 1 1/4" BSP-F	EMD12	✓	-	-	39-43	R 134a
OMD 235	235	1/230/50		345	445	740	G 1 1/4" BSP-F	EMD12	✓	-	-	40-44	R407C
OMD 280	284	1/230/50		485	455	825	G 1 1/4" BSP-F	EMD12	✓	-	-	41-45	R407C
OMD 330	333	1/230/50		555	580	885	G 1 1/2" BSP-F	EMD12	✓	-	-	54-66	R407C
OMD 410	410	1/230/50		555	580	885	G 1 1/2" BSP-F	EMD12	✓	-	-	56-68	R407C
OMD 570	573	1/230/50		555	625	975	G 2" BSP-F	EMD12	✓	✓	-	94-107	R407C
OMD 710	710	1/230/50		555	625	975	G 2" BSP-F	EMD12	✓	✓	-	96-109	R407C
OMD 920	917	1/230/50		665	725	1.105	G 2 1/2" BSP-F	EMD12	✓	✓	✓	144-164	R407C
OMD 1050	1037	3/400/50	DMC24	645	920	1.100	G 2 1/2" BSP-F	EMD12	✓	✓	✓	170-190	R407C
OMD 1200	1201	3/400/50		645	920	1100	G 2 1/2" BSP-F	EMD12	✓	✓	✓	172-192	R407C
OMD 1350	1365	3/400/50		790	1.000	1.465	DN80 PN16	OBM32	✓	✓	✓	242-283	R407C
OMD 1900	1911	3/400/50		790	1.000	1.465	DN80 PN16	OBM32	✓	✓	✓	276-317	R407C
OMD 2200	2239	3/400/50		790	1.000	1.465	DN80 PN16	OBM32	✓	✓	✓	311-352	R407C
OMD 2600	2621	3/400/50		1.135	1.205	1.750	DN100 PN16	2xOBM32	✓	✓	✓	463-516	R407C
OMD 3350	3385	3/400/50		1.135	1.205	1.750	DN100 PN16	2xOBM32	✓	✓	✓	538-591	R407C
OMD 4400	4423	3/400/50		1.135	1.205	1.750	DN100 PN16	2xOBM32	✓	✓	✓	612-665	R407C
OMD 5400	5400	3/400/50	DMC24	1.300	1750	1810	DN150 PN16	3xOBM32	✓	✓	✓	830-920	R407C
OMD 6600	6624	3/400/50		1.300	1750	1810	DN150 PN16	3xOBM32	✓	✓	✓	940-1030	R407C
OMD 7200	7200	3/400/50		1.300	1750	1810	DN200 PN16	4xOBM32	✓	✓	✓	1055-1145	R407C
OMD 8800	8800	3/400/50		1.300	1750	1810	DN200 PN16	4xOBM32	✓	✓	✓	1200-1290	R407C

CORRECTION FACTOR FOR OPERATING PRESSURE CHANGES

Operat. pressure [bar]	4	5	6	7	8	10	12	14
Correction factor	0,77	0,86	0,93	1,00	1,05	1,14	1,21	1,27

CORRECTION FACTOR FOR AMBIENT TEMPERATURE CHANGES

Temperature [°C]	≤25	30	35	40	45
Correction factor	1,00	0,95	0,88	0,79	0,68

CORRECTION FACTOR FOR INLET AIR TEMPERATURE CHANGES

Temperature [°C]	≤30	35	40	45	50	55
Correction factor	1,11	1,00	0,81	0,67	0,55	0,45

CORRECTION FACTOR FOR DEW POINT CHANGES

Temperature [°C]	3	5	7	10
Correction factor	1,00	1,099	1,209	1,385