



# Refrigerated compressed air dryers

## from STERLING Separation Ltd

Prices valid from December 2023 until further notice

Product code	Capacity cfm (m3/min)	Description	Supplied filters	Max working pressure	Input power kW	Refrigerant		Width (mm)	Depth (mm)	Height (mm)	Weight (Kg)	Air Connections	List price
						Type	KG						
RD25-F RD25	25 (0.7)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 1/2" none	16 bar	0.22	R134A	0.25	400	560	730	32	1"	£930 £840
RD45-F RD45	45 (1.3)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 1/2" none	16 bar	0.37	R134A	0.3	400	560	730	34	1"	£1,126 £1,035
RD90-F RD90	90 (2.5)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 3/4" none	16 bar	0.45	R134A	0.5	520	640	890	50	1"	£1,408 £1,317
RD130-F RD130	130 (3.7)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 1" none	16 bar	0.86	R410A	0.56	520	640	890	55	1"	£1,790 £1,680
RD180-F RD180	180 (5.1)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 1 1/2" none	16 bar	1.1	R410A	0.65	540	700	1000	67	1 1/2"	£2,080 £1,942
RD250-F RD250	250 (7.1)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 1 1/2" none	16 bar	1.3	R410A	1.1	540	700	1000	70	1 1/2"	£3,440 £3,150
RD320-F RD320	320 (9.1)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 2" none	16 bar	1.9	R410A	1.3	610	900	1070	90	2"	£3,616 £3,311
RD400-F RD400	400 (11.3)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 2" none	16 bar	2.9	R410A	2.3	610	900	1070	100	2"	£4,240 £3,950
RD465-F RD465	465 (13.2)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 2" none	16 bar	2.9	R410A	2.3	610	900	1070	100	2"	£4,632 £4,280
RD580-F RD580	580 (16.4)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 2 1/2" none	10 bar	3.42	R407C	3.5	1170	920	1420	273	DN65	£6,840 £6,440
RD800-F RD800	800 (22.7)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 2 1/2" none	10 bar	3.83	R407C	4.6	1170	920	1420	278	DN65	£8,320 £7,920
RD1000-F RD1000	1000 (28.3)	Refrigerated Dryer + compressed air filters Refrigerated Dryer - no filters	0.01 & 1micron - 3" none	10 bar	4.48	R407C	5.6	1170	920	1420	290	DN80	£9,366 £8,916

**Points to note:**

*Filters are for external mounting. Where dryer has flanged outlet connection, a flange-to-thread adaptor is provided.*

*Operating temperatures. Maximum compressed air inlet temp 60° C. Ambient operating range 5° C to 50° C*

*Re-sellers please note that these are our recommended list prices. Please refer to STERLING if you need to verify your distributor discount and payment terms*

**Dryer selection tables - calculated according to ISO7183**

**Compressed air inlet temperature correction coefficient**

Inlet air temperature (°C)	30	35	38	40	45	50	55	60
Change factor	1.3	1.1	1.0	0.94	0.78	0.64	0.53	0.46

**Compressed air inlet pressure correction coefficient**

Inlet pressure (bar)	4	5	6	7	8	9	10	RD580 and larger sizes are not rated over 10bar		
Change factor	0.63	0.75	0.88	1	1.04	1.07	1.1	1.16	1.22	1.25

**Ambient temperature correction factor**

Ambient air temp (°C)	20	25	30	35	38	40	45	50
Change factor	1.16	1.12	1.08	1.03	1.0	0.98	0.8	0.7