

# Refrigerated Air Dryers

## New RFX Series

SCS Filtration's reliable and innovative non-cycling refrigerated dryers are an ideal and affordable solution to remove moisture from your compressed air system. The RFX Range of dryers are manufactured based on an innovative, cost-effective design to reduce the potential for damage and downtime created by poorly treated compressed air.

When combined with SCS G Series Pre and Post Filters, you can rest assured that your Compressed Air will be clean, dry and trouble-free. Contact us for special Dryer/Filter pack pricing. The RFX Range of Refrigerated Dryers are well-tested, reliable and with an easy to read digital display, monitoring performance can be done at a glance.

Available in flow rates up to 2473cfm (at referenced conditions)

Design Standards	RFX0035-RFX0065	RFX0100-RFX0600	RFX0680-RFX2000
Dew point	7°C/44°F	7°C/44°F	3°C/37°F
Pressure range	4-13 bar/60-188 psi	4-13 bar/60-188 psi	4-13 bar/60-188 psi
Voltages	230 V	230 V	400 V
Frequency	50 Hz	50 Hz	50 Hz
Controller	Basic	Basic	Basic
Technology	Refrigerant R134a	Refrigerant 410A	Refrigerant R404A
Usage	Continuous	Continuous	Continuous
Transportability	Easy to transport	Easy to transport	Forklift slots
Common applications	Automotive, general industry	Textile, general industry, wood, pulp and paper	Textile, general industry, wood, pulp and paper, cement, mining

### Important features & benefits

Hot gas bypass valve (prevents freezing at lower loads)

Integrated Zero Loss electronic drain (standard on RFX0680-RFX2000)

Professional timer operated drain with high reliability (standard on RFX0035-RFX0600)

Integrated air-to-air heat exchanger on all models

Well designed for easy service and access to key components

Controller with digital PDP display and alarm function

Environmentally safe refrigerants:

R134A (RFX0035-RFX0065)

R410A (RFX0100-RFX0600)

R404A (RFX0680-RFX2000)

Aluminum heat exchanger with high thermal exchange and low load losses

# WALKER FILTRATION



**Our Dryers can also  
be bundled with a  
Pre and Post Filter Pack**



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# Product Specifications

Model	Max Working Pressure	Air Treatment Capacity			Power Supply V/Ph/Hz	Connection BSP	Dimensions L x W x H	Weight Kg	Refrigerant
		l/min	CFM	m <sup>3</sup> /hr					
RFX0035	13	1000	35	60	230/1/50	3/4" F	352 x 430 x 445	30	R 134a
RFX0045	13	1500	53	90	230/1/50	3/4" F	550 x 370 x 800	32	R 134a
RFX0065	13	2100	74	126	230/1/50	3/4" F	550 x 370 x 800	36	R 134a
RFX0100	13	3300	117	198	230/1/50	1.5" F	520 x 500 x 800	60	R 410A
RFX0135	13	4500	159	270	230/1/50	1.5" F	550 x 600 x 980	68	R 410A
RFX0170	13	5700	201	342	230/1/50	2.0" F	550 x 600 x 980	75	R 410A
RFX0215	13	7200	254	432	230/1/50	2" F	550 x 600 x 980	85	R 410A
RFX0250	13	8400	297	504	230/1/50	2" F	900 x 750 x 1000	120	R 410A
RFX0325	13	10800	381	648	230/1/50	2.5" F	1025 x 660 x 1120	138	R 410A
RFX0415	13	13800	487	828	230/1/50	2.5" F	1025 x 660 x 1120	156	R 410A
RFX0515	13	17100	604	1,026	230/1/50	2.5" F	1025 x 660 x 1120	168	R 410A
RFX0600	13	20100	710	1,206	230/1/50	2.5" F	1025 x 660 x 1120	175	R 410A
RFX0680	13	24000	848	1,440	400/3/50	3" F	1082 x 1020 x 1560	325	R 404A
RFX0850	13	30000	1060	1,800	400/3/50	3" F	1082 x 1020 x 1560	335	R 404A
RFX1000	13	35000	1236	2,100	400/3/50	3" F	1082 x 1020 x 1560	350	R 404A
RFX1450	13	50000	1766	3,000	400/3/50	DN125	2099 x 1020 x 1560	550	R 404A
RFX2000	13	70000	2473	4,200	400/3/50	DN125	2099 x 1020 x 1560	600	R 404A

## Correction Factors

OPERATING PRESSURE (C)										
Inlet Pressure	bar	5	6	7	8	9	10	11	12	13
Correction Factor RFX0035 - RFX0600		0.90	0.96	1.00	1.03	1.06	1.08	1.10	1.12	1.13
Correction Factor RFX0680 - RFX2000		0.90	0.97	1.00	1.03	1.05	1.07	1.09	1.11	1.12

CORRECTION FACTOR FOR PRESSURE DEW POINTS			
Outlet Pressure Dew Point	3	7	10
Correction Factor RFX0035 - RFX0600	0.8	1	1.1
Correction Factor RFX0680 - RFX2000	1	1.1	1.15

TEMPERATURE AMBIENT TEMPERATURE (A)					
Ambient Temperature °C	25	30	35	40	45
Correction Factor RFX0035 - RFX0600	1	1	0.91	0.81	0.72
Correction Factor RFX0680 - RFX2000	1	0.91	0.81	0.72	0.62

TEMPERATURE INLET TEMPERATURE (B)					
Inlet Temperature °C	35	40	45	50	55
Correction Factor RFX0035 - RFX0600	1	1	0.82	0.69	0.58
Correction Factor RFX0680 - RFX2000	1	0.82	0.69	0.58	0.49

Reference Conditions	RFX0035 - RFX0600	RFX0680 - RFX2000
Operating Pressure	7 bar (100psi)	7 bar (100psi)
Inlet Temperature	40°C	35°C
Ambient Temperature	30°C	25°C
Limit Conditions	RFX0035 - RFX0600	RFX0680 - RFX2000
Max Operating Pressure	13 bar (188psi)	
Max Inlet Temperature	55°C	
Min / Max Ambient Temperature	5°C / 45°C	

Correction factors to be used for site conditions outside of normal reference conditions (I) stated above = A x B x C

The new flow rate value can be obtained by dividing the current or real flow rate by the correction factor related to the real operation conditions.