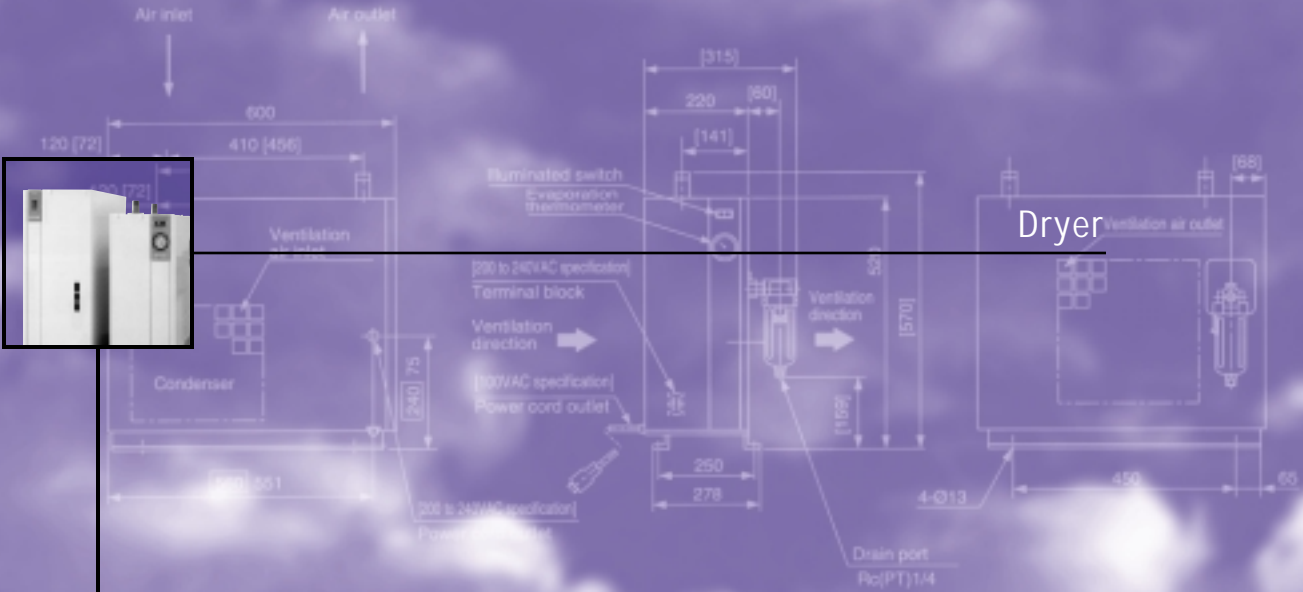


# Pneumatic Purification



 **PureAir Solutions**

By  **SMC**

# IDF Series : Compact Series

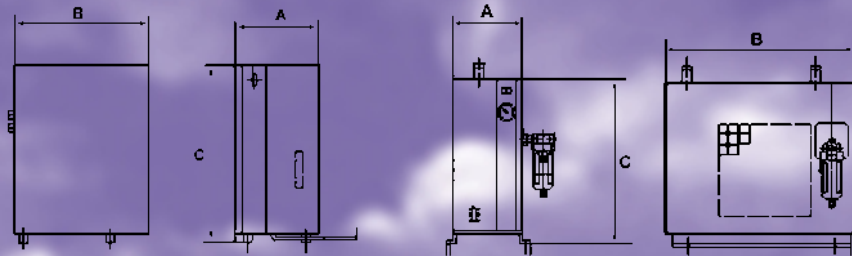


MODEL	FLOW @41°F	FLOW @50°F	VOLTAGE	CONNECTION	PRESSURE	FREON	DIMENSIONS (INCHES)			WEIGHT
	DEWPOINT	DEWPOINT					A	B	C	
	CFM	CFM			MAX PSIG					lbs
IDF3D-S	5.8	12	115/1/60	3/8	145	R134a	8.9	14.1	18.5	39.7
IDF4D-S	8.1	18	115/1/60	3/8	215	R134a	9.5	18.9	23.9	57.3
IDF6D-S	12.6	26	115/1/60	1/2	215	R134a	8.7	23.6	20.5	70.5
IDF8D-S	16.5	35	115/1/60	3/4	215	R134a	8.7	23.6	20.5	70.5
IDF11C-S	25	53	115/1/60	3/4	215	R22	10.2	24.4	22.4	103.6
IDF15C-S	40	85	115/1/60	1	215	R22	11.0	24.4	24.4	110.2
IDF22C1-S	58	130	220/3/60	1	215	R22	11.6	29.5	26.8	133
IDF37C1-S	96	215	220/3/60	1 1/2	215	R22	12.6	36.6	28.7	160

Flow readings at 100°F inlet temperature; 100°F ambient and 100 PSIG

## IDF Series : Compact Series

- Low noise operation (to 45db)
- Compact size
- Economical 50°C dewpoint
- External float autodrain included
- High performance heat exchanger



IDF3/4

IDF6-37

# PDE Series : Standard Series



MODEL	AIR FLOW	POWER CONS		COMPRESSOR	VOLTAGE	CONNECTION	PRESSURE	FREON	DIMENSIONS (INCHES)					WEIGHT	
		NOM	MAX						AMPS	HP	A	B	C		D
	CFM						MAX PSIG								lbs
PDE15-S	56	5.9	7.8	3/4	115/1/60	3/4" NPT	232	R134a	17.7	21.3	19.9	3.3	8.3	80	
PDE20-S	75	6.1	8.0	3/4	115/1/60	1" NPT	232	R134a	17.7	21.3	19.9	3.3	8.3	82	
PDE30-S	137	4.4	5.7	1	230/1/60	1" NPT	174	R134a	21.3	26.4	25	3.1	10.2	126	
PDE40-S	137	5.1	6.5	1 1/4	230/1/60	1 1/4" NPT	174	R134a	23.2	32.3	31.7	3.5	11.4	168	
PDE50-S	168	6.3	8.2	1 1/2	230/1/60	1 1/2" NPT	174	R134a	23.2	32.3	31.7	3.5	11.4	207	
PDE60-S	200	7.2	10.4	1 3/4	230/1/60	2" NPT	174	R134a	23.2	32.3	31.7	3.5	11.4	227	
PDE75-S	235	7.5	10.7	1 3/4	230/1/60	2" NPT	174	R134a	23.2	32.3	31.7	3.5	11.4	232	
PDE100-S	310	8.2	11.4	2	230/1/60	2" NPT	174	R134a	23.6	42.3	34.4	11.8	15.7	462	
PDE120-S	400	8.5	11.7	2	230/1/60	2 1/2" NPT	174	R134a	23.6	42.3	34.4	11.8	15.7	528	

Flow readings at 100°F inlet temperature; 100°F ambient and 100 PSIG; 37°F pressure dew point

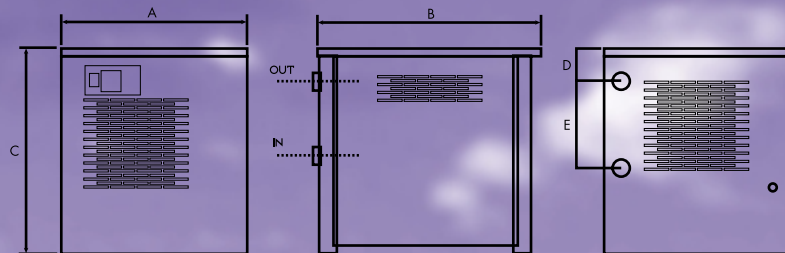
## PDE Series : Standard Series

### PDE15 ~ PDE20

- Electronic dewpoint display
- Hot gas bypass valve LED
- Timerdrain LED indicator

### PDE30 ~ PDE120

- Electronic controller
- Displays : dewpoint temperature, drain discharge time, activation temperature of hot gas bypass valve
- LEDs : bypass valve on , condensate drain on, condensor fan on
- Drain test button



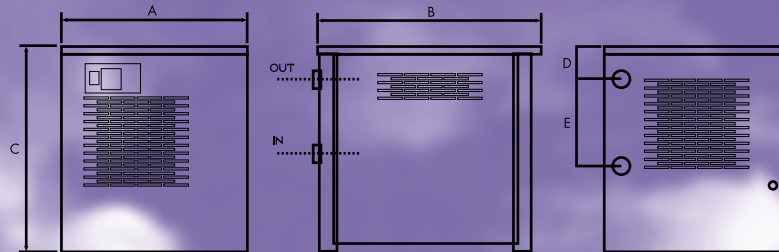


MODEL	AIR FLOW		POWER CONS		COMPRESSOR	VOLTAGE*	CONNECTION	PRESSURE	FREON	DIMENSIONS (INCHES)					WEIGHT
	CFM	NOM	MAX	AMPS						HP	MAX PSIG	A	B	C	
PDE140-S	512	5.5	6.0		3 1/2	460/3/60	2-1/2" NPT	174	R134a	23.6	78.7	55.1	19.7	19.7	680
PDE180-S	654	5.7	6.2		3 1/2	460/3/60	2-1/2" NPT	174	R134a	23.6	78.7	55.1	19.7	19.7	790
PDE200-S	742	6.2	7.0		3 3/4	460/3/60	FLANGE 3" 150	174	R134a	23.6	78.7	55.1	19.7	19.7	890
PDE260-S	1007	7.5	8.5		5	460/3/60	FLANGE 3" 150	174	R134a	23.6	78.7	55.1	19.7	19.7	990
PDE310-S	1200	7.8	8.8		5	460/3/60	FLANGE 3" 150	174	R134a	23.6	78.7	55.1	19.7	19.7	1060
PDE410-S	1483	13.5	15.0		6	460/3/60	FLANGE 4" 150	174	R134a	27.6	78.7	68.8	19.7	21.3	1180
PDE510-S	1840	15.5	17.8		8.5	460/3/60	FLANGE 4" 150	174	R134a	27.6	78.7	68.8	19.7	21.3	1200
PDE610-S	2400	20.0	22.8		10	460/3/60	FLANGE 4" 150	174	R134a	27.6	78.7	68.8	19.7	21.3	1400

\*Voltage Option : add 'C' for 575/3/60; Example : PDE200-SC Flow readings at 100°F inlet temperature; 100°F ambient and 100 PSIG

### PDE140 - PDE610-S

- Electronic-controlled operation
- Displays : dewpoint temperatures, activation temperature of bypass valve, drain discharge time
- LEDs : condensor fan on, drain discharge on, bypass valve on
- Alarm light and buzzer
- Main disconnect
- PDE pressure vessels are manufactured in accordance to ASME VIII and bear a Canadian Registered Number



## PFE Series : Hi-Inlet Temperature Series

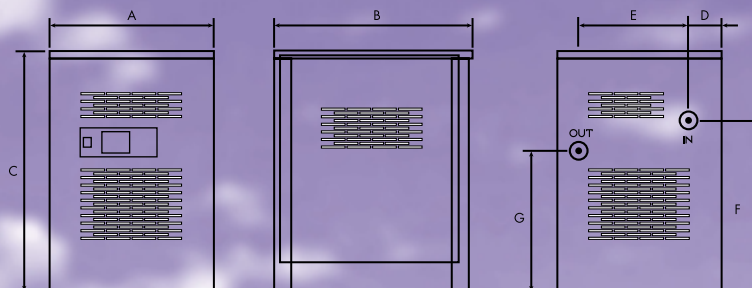


MODEL	AIR FLOW		VOLTAGE	CONNECTION	DIMENSIONS (INCHES)							WEIGHT
	CFM	Volt/Phase/Cycle			NPT	A	B	C	D	E	F	
PFE5-S	20	115/1/60	1/2"	17.7	21.2	19.6	1.7	14.7	17.7	10.8	80	
PFE8-S	30	115/1/60	3/4"	17.7	21.2	31.4	2.1	13.5	17.7	17.7	100	
PFE10-S	39	115/1/60	3/4"	17.7	21.2	31.4	2.1	13.5	17.7	17.7	105	
PFE15-S	64	115/1/60	3/4"	17.7	21.2	31.4	2.1	13.5	17.7	17.7	110	
PFE20-S	81	115/1/60	1"	17.7	21.2	31.4	2.1	13.5	17.7	17.7	115	
PFE30-S	109	230//1/60	1"	21.2	26.3	36.4	2.7	15.3	28.3	21.6	152	
PFE40-S	152	230//1/60	1-1/4"	23.0	32.2	45.6	4.5	15.3	35.6	27.9	198	
PFE50-S	184	230//1/60	1-1/2"	23.0	32.2	45.6	2.5	17.3	35.6	27.9	258	
PFE60-S	215	230//1/60	2"	23.0	32.2	45.6	2.5	17.3	35.6	27.9	280	
PFE75-S	265	230//1/60	2"	23.0	32.2	45.6	2.5	17.3	35.6	27.9	285	

Flow readings at 180°F inlet temperature; 113°F ambient and 100 PSIG; Pressure dew point achieved 37° - 41°F

### PFE Series : Hi-Inlet Temperature Features

- 180°F inlet, integral air-cooled after cooler
- Coalescing filter integral on PFE5 to PFE20
- Electronic controls
- Large aperture condensate drain with variable cycle timer
- R134a refrigerant - Environmentally friendly



All dimensions are subject to change without notice.

# SMC Worldwide Locations

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By  **SMC**