



DRYPOINT[®] ACC

Compact Heatless Desiccant Dryers

+ Features and Benefits

INNOVATIVE, RELIABLE DESIGN:
the highest quality components are used in construction and combined with high level engineering and design

REDUCED SPACE REQUIREMENTS:
various mounting and installation configurations allow for optimal use of space

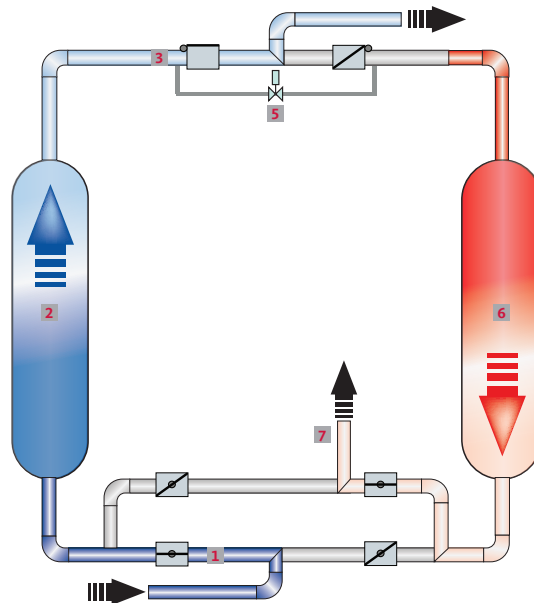
ENERGY SAVING TECHNOLOGY:
all models include a feature rich controller with energy saving modes and innovative programming



SERVICEABILITY IN MIND:
with easy to access pre-filter, fast desiccant cartridge exchange and integrated post-filter

EXTENDED LIFETIME:
spring loaded desiccant cartridges avoid abrasion and protect valves

+ Operating Principle



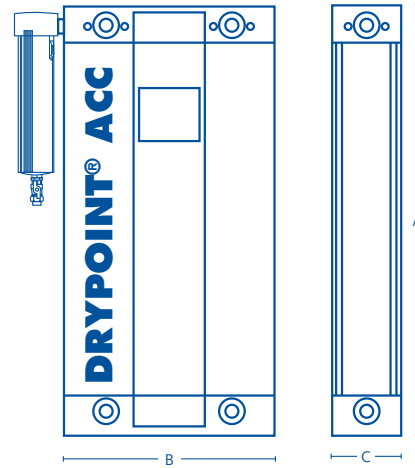
Warm, moisture saturated air enters the dryer through the open inlet valve, a required coalescing pre-filter (not pictured) is installed before entering the drying tower **1**. Air flows upward through the tower **2** where the desiccant extracts and retains water vapor, thereby lowering the dew point, before exiting the top of the tower. The dry air passes through the outlet check valve **3** and passes through the particulate post-filter (not pictured) before exiting the dryer to the air distribution system **4**. A small amount of dry air is diverted from the outlet flow of the drying tower to be used in regenerating the other

tower. This diverted air is controlled by the adjustable purge valve **5** and exits into the regenerating tower at near atmospheric pressure. This dry air flows downward through the tower **6**, absorbing water from the moisture laden desiccant, before exiting near the bottom of the tower. This moist purge air passes through the purge exhaust valve and is vented to open atmosphere **7** through the muffler. After a set amount of time the air flow through the dryer will reverse, turning the drying tower into the regenerating tower.

DRYPOINT® ACC Compact Heatless Desiccant Dryers

CLEARPOINT® pre-filtration included as standard with post-filter integrated in dryer

Standard pressure dew point	-40 °F
Optional pressure dew point	-100 °F
Approx. purge air consumption	18% at 100 psig / -40 °F
Min. / Max. operating pressure	58 / 232 psig
Min. / Max. air inlet temperature	35 °F / 120 °F
Min. / Max. ambient temperature	41 °F / 120 °F
Standard intelligent power supply	12-24 Vdc / 100-240 Vac; 50-60 Hz
Includes pre-filtration with either float drain or BEKOMAT®	



DRYPOINT® ACC	ACC 4	ACC 6	ACC 8	ACC 10	ACC 15	ACC 25
Capacity at -40° F (scfm)	4	6	8	10	15	25
Capacity at -100° F (scfm)	3	4	6	7	11	18
Connection Size	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
Dimension data						
A (inches)	18	20	22	25	32	42
B (inches)	11	11	11	11	11	11
C (inches)	4	4	4	4	4	4
Weight (lbs)	29	31	33	36	43	53

DRYPOINT® ACC	ACC 35	ACC 45	ACC 55	ACC 65	ACC 85	ACC 105
Capacity at -40° F (scfm)	35	45	55	65	85	105
Capacity at -100° F (scfm)	25	32	39	46	60	74
Connection Size	3/8"	3/4"	3/4"	3/4"	1"	1"
Dimension data						
A (inches)	58	28	32	36	44	56
B (inches)	11	21	21	21	21	21
C (inches)	4	7	7	7	7	7
Weight (lbs)	68	117	130	141	165	200

Correction Factor

Operating Pressure (psig)	60	70	80	90	100	110	120	130	140	150
Correction Factor	.65	.73	.82	.91	1.00	1.09	1.17	1.26	1.35	1.44
Inlet Air Temperature °F	80	85	90	95	100	105	110	115	120	
Correction Factor	1.07	1.06	1.05	1.03	1.00	.94	.88	.78	.67	

Subject to technical errors, changes, omissions and/or corrections without prior notice.