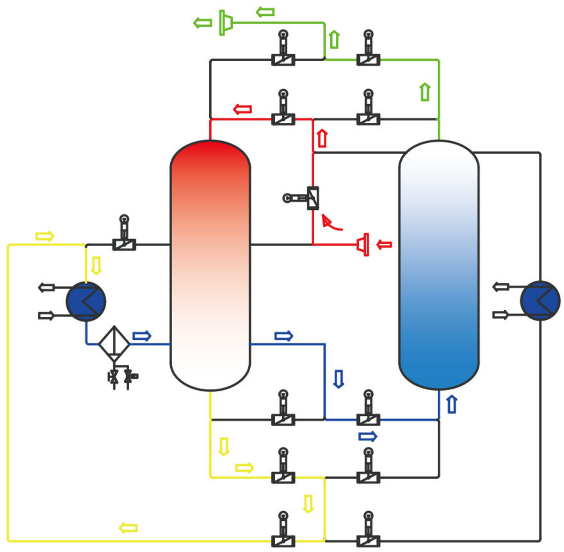
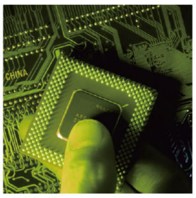
RISHENG®

RSXY Series HOC Compressed Air Adsorption Dryers





Technical Features

- Being configured with stainless steel diffusers at the inlet of adsorption tower, it makes uniform air distribution and prevents tunneling effect in the tower.
- With additional ceramic balls supporting at the bottom of adsorption tower, not only desiccant can be protected and get longer service life, but also air distribution is much more uniform.
- Customized high performance desiccant can assure best dew point.

All Adsorption dryers have passed latest CE safety certification.

- All series adsorption air dryers are con figured with high temperature resistance pneumatic valves of high performance as standard.
- The design and calculation of heat exchangers is based on professional heat transfer design software HTFS. Using brazed plate heat exchanger aim at enhancing heat transfer process and leads to an extremely high heat exchange efficiency.
- Load Dependent Control System (LDCS) as standard, able to shorten the heating time under partial load, can greatly reduce energy consumption. Dew Point Operation System (DPOS) as optional, able to prolong adsorption time under partial load, can further reduce energy consumption greatly.

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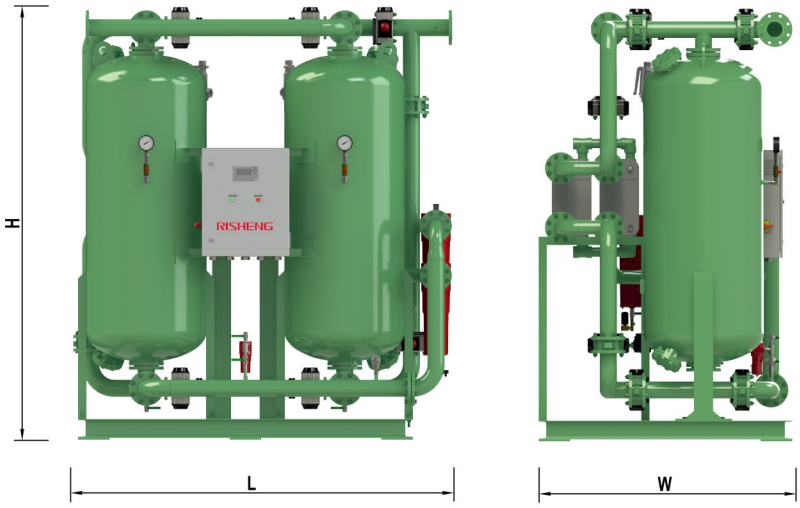
Technical Specifications

Model	Capacity		Connections		Water Consumption t/h	Dimension mm			Weight kg	Recommended After-Filter Model
	m³/min	CFM	Air	Water		L	W	H		
RSXY-60	6	212	DN50	2"	6.1	2000	900	1900	1000	RSG-AR-0145G/V2
RSXY-80	8	282	DN50	2"	8.2	2000	900	1900	1050	RSG-AR-0145G/V2
RSXY-100	10	353	DN50	2"	10.2	2066	950	1916	1151	RSG-AR-0220G/V2
RSXY-120	12	424	DN50	2"	12.2	2066	1000	2000	1250	RSG-AR-0220G/V2
RSXY-150	15	530	DN65	2"	15.3	2165	1000	2316	1550	RSG-AR-0330G/V2
RSXY-200	20	706	DN65	2"	20.4	2225	1000	2567	1640	RSG-AR-0330G/V2
RSXY-220	22	777	DN65	2"	22.4	2325	1050	2647	1900	RSG-AR-0430G/V2
RSXY-250	25	883	DN65	2"	25.5	2325	1050	2647	1980	RSG-AR-0430G/V2
RSXY-350	35	1236	DN80	2"	35.7	2452	1250	2510	2470	RSG-AR-0620G/V2
RSXY-450	45	1589	DN100	3"	45.9	2900	1400	2690	3000	RSG-AR-0830F/V2
RSXY-600	60	2119	DN100	3"	61.2	3100	1650	2717	3800	RSG-AR-1000F/V2

Rated Conditions
Working pressure : 0.7MPag / 100psig
Inlet temp : 160℃ / 320℉
Cooling water temp : 32℃ / 90℉

Working Range
Max. working pressure : 1.0MPag / 145psig
Max. inlet temperature : 200℃ / 394℉
Max. ambient temperature : 40℃ / 104℉

Available Options
·Higher pressure above 1.0MPag /145psig
·Booster heater
·Higher capacity
·Stainess steel vessel or piping
·GB,ASME,PED,etc. vessels
·Zero loss drain



Correction Factors

Actual Capacity (m³/min) = Nominal Capacity × KA × KB

Working Pressure (KA)	Mpag	0.5	0.6	0.7	0.8	0.9	1.0
	psig	73	87	100	116	131	145
	CFP	0.75	0.87	1.00	1.13	1.25	1.37

Cooling Water Temperature (KB)	℃	25	30	32	35
	℉	77	86	90	95
	CFT	1.33	1.11	1.00	0.85

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