

PUROAIR has been established since year 2008, It has worked alongside leading companies in the compressed air industry. Our products deliver quality, versatility, reliability and are environmental friendly.

Our expertise includes providing system study, design, supply and implementation to compressed air systems in small, medium as well as large manufacturing companies.

Our Goals

PUROAIR listens, recognizes and meets the needs of its customers in order to deliver products and solutions, capable of offering clients value and savings.

We are actively investing in the production of new technology concluded to the efficiency of their goods, in terms of energy-saving and environmental pollution reduction.



YC Compressed Air Dryer



The Solution :All-in-One Module Design

- "All-in-One" patented by hot gas by-pass design.
- Modulization the air-to-air (pre-cooler), air-to-evaporator and gas-water separator.
- Aluminum Heat Exchange: a corrosion resistance material.
- Pre-cooler heat-exchange efficiency could reclaim nearly 90%, reducing the load on the evaporator.

Model	Flow Rate		Power Supply	Dimensions			Weight	CONN.
	M ³ /min	Cfm		L	W	H		
YC-30AE	4.3	152	240/1Φ/50Hz	740	600	1015	90	1 1/4"
YC-50AE	7.3	258		740	680	1080	100	1 1/2"
YC-75AE	11.2	396	415/3Φ/50Hz	870	700	1330	229	2 1/2"
YC-100AE	15.0	530		870	700	1330	230	2 1/2"
YC-150AE	22.0	778		1150	950	1300	260	3"
YC-200AE	30.3	1,071		1400	1100	1300	280	3"
YC-250AE	38.0	1,343		1350	1150	1300	320	DN100 / 4" F
YC-300AE	44.2	1,562		1400	1300	1550	350	DN125 / 5" F

Reference Conditions:

Inlet air temperature: 50°C (Max. 70°C)
Ambient temperature: 32°C
Pressure dew point: 5°C
Working pressure: 7 bar (Max. 16 bar)
Refrigerant type: R134a & R407c

For more information -
<http://www.air-yc.com>

Correction Factor for Air Dryer

Factor A (Inlet temperature)							
Inlet Temp (°C)	H1P	45	50	55	60	70	
Working Pressure	0.4	1.06	0.87	0.77	0.71	0.67	
	0.5	1.12	0.92	0.82	0.75	0.71	
	0.6	1.17	0.96	0.85	0.79	0.74	
	0.7	1.22	1.00	0.89	0.82	0.77	
	0.8	1.24	1.02	0.9	0.84	0.79	
	0.98	1.29	1.06	0.94	0.87	0.82	

Factor B (Ambient temperature)					
Ambient Temp (°C)	30	32	35	40	
Factor	1.03	1.00	0.96	0.9	

Factor C (Dew point)					
Dew Point (°C)	3	5	7	10	
Factor	0.9	1.00	1.1	1.2	



Medical Class Compressed Air Series

Suitable for Food Industry, Pharmaceutical, Hospital and etc

- Using 304 stainless steel for plate
- Removes rust and other particle contamination
- 304 Stainless steel plate fin heat exchanger

Model	Flow Rate		Power Supply	Dimensions			Weight	CONN.
	M ³ /min	Cfm		L	W	H		
YC-7SS	0.8	28	240/1Φ/50Hz	400	320	505	39	3/4"
YC-10SS	1.5	53		400	320	505	40	3/4"
YC-15SS	2.3	81		580	480	700	45	1"
YC-20SS	2.9	103		580	480	700	46	1"

Correction Factor for Air Dryer

Factor A (Inlet temperature correction factor)						
Inlet Temp (°C)	50	55	60	65	70	
Factor	1.15	1.1	1.07	1.05	1	
Factor B (Working pressure correction factor)						
Working Pressure (Mpa)	0.4	0.5	0.6	0.7	0.8	0.9
Factor	0.75	0.85	0.92	1	1.05	1.12

Factor C (Ambient temperature correction factor)						
Ambient Temp (°C)	30	32	35	40	42	
Factor	1.03	1	10.96	0.9	0.8	

Factor D (Dew point correction factor)				
Dew Point (°C)	3	5	7	10
Factor	0.9	1	1.1	1.2

Reference Conditions:

Inlet air temperature: 70°C
Ambient temperature: 32°C
Pressure dew point: 5°C
Working pressure: 7 bar (Max. 16 bar)
Refrigerant type: R134a

YC Compressed Air Filter

Reference Conditions:

Max. temperature: 80°C
Max. working pressure: 16 bar



Strong Points

- All the housing sizes are special corrosion resistant surface treatment both inside and outside.
- Unique element interface feature for high filter performance.
- Performance of filter elements guaranteed for 12 months.
- YC filter components have 8-10um pores on the inner surface, and the outer surface is expanded to 40-80um pores to maximize efficiency versus pressure drop.

Model	Flow Rate		CONN.	Dimensions		Weight	Element Model
	M³/min	Cfm		W	H		
NT 2312	1.0	36	½"	98	243	1.1	E 2312
NT 2320	1.8	64	¾"	98	243	1.1	E 2320
NT 2334	3.9	140	1"	131	305	2.2	E 2334
NT 2371	8.6	307	1½"	131	405	2.45	E 2371
NT 2412	13.1	466	2"	160	530	4.9	E 2412
NT 2415	19.7	699	2½"	214	590	9.3	E 2415
NT 2560	26.0	918	3"	214	590	9.3	E 2560

Model	CONN.		Max. Compressor Performance	Max. Dryer Performance	Max. Filter Performance
	Inlet	Outlet			
BK-80	½"	¾"	7 m³/min	14 m³/min	55 m³/min
BK-90	½"	¾"	8 m³/min	16 m³/min	60 m³/min
BK-350	2 x ½"	½"	30 m³/min	50 m³/min	180 m³/min
BK-1500	3 x ¾"	½"	85 m³/min	165 m³/min	700 m³/min
BK-2500	2 x ¾", 1 x 1"	½"	950 m³/min	1800 m³/min	2600 m³/min
* BK-315P	½"	½"	5 m³/min	10 m³/min	33 m³/min
* BWD-110	½"	¾"	20 m³/min	40 m³/min	90 m³/min
* BWD-1300	¾"	½"	20 m³/min	45 m³/min	130 m³/min

* Mechanical Drain

BECKDG Zero Loss Mechanical/Electrical Drain



Why choose BECKDG

- Save compressed air & energy.
- Advantage characteristics: secure, reliable & cost efficient.
- Effectively guarantees the discharge of compressed air loss.
- Provide the right solutions of various types of condensate problems.

For more information -
<http://www.beckdg.com>



Condensate Drain

Type of condensate drains:

- Zero air loss drain – electronic level controlled, have an electronic capacitive sensor for monitoring the condensate level.
- Electronic timer drain – incorporate a solenoid valve and electric timer.
- Automatic drain – without manual intervention, electrically or mechanically operated.
- Float drain – simple construction and operate using a float type system.



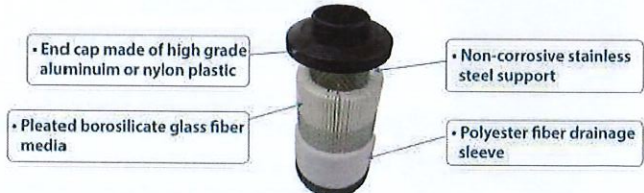
Model	CONN.
	BSP
AM5	½"
AM9W	½"
TIMER AUTO DRAIN	½"
HAD-20B / WBK-20B	½"

Compatible Replacement Element

Quality & Advantages

Pleated filter elements provide a greater filtration volume than non-pleated. The service life increase with a result of lower running cost.

- Suitable for compressed air temperature up to 100°C.
- Suitable for mineral synthetic oil/oil free application.
- Silicon free – safe to use (for painting & surface coating application).
- Lower operation cost.



Compatible Brand: -

AFE	CECCATO	FRIULAIR	OMI	SULLAIR	Worthington
ABAC	COMPAIR	HIROSS	ORION	TECHNOLAB	Beko
ALUP	DONALDSON	HANKINSON	OMEGA	ULTRA FILTER	Van air
ATLAS COPCO	DELTECH	INGERSOLL RAND	PARKER	WALKER	
BEA FILTRI	DOMNICK HUNTER	KAESER	SWAN	ZANDER	
CKD	FUSHENG	MIKROPOR	SMC	GARDNER DENVER	

