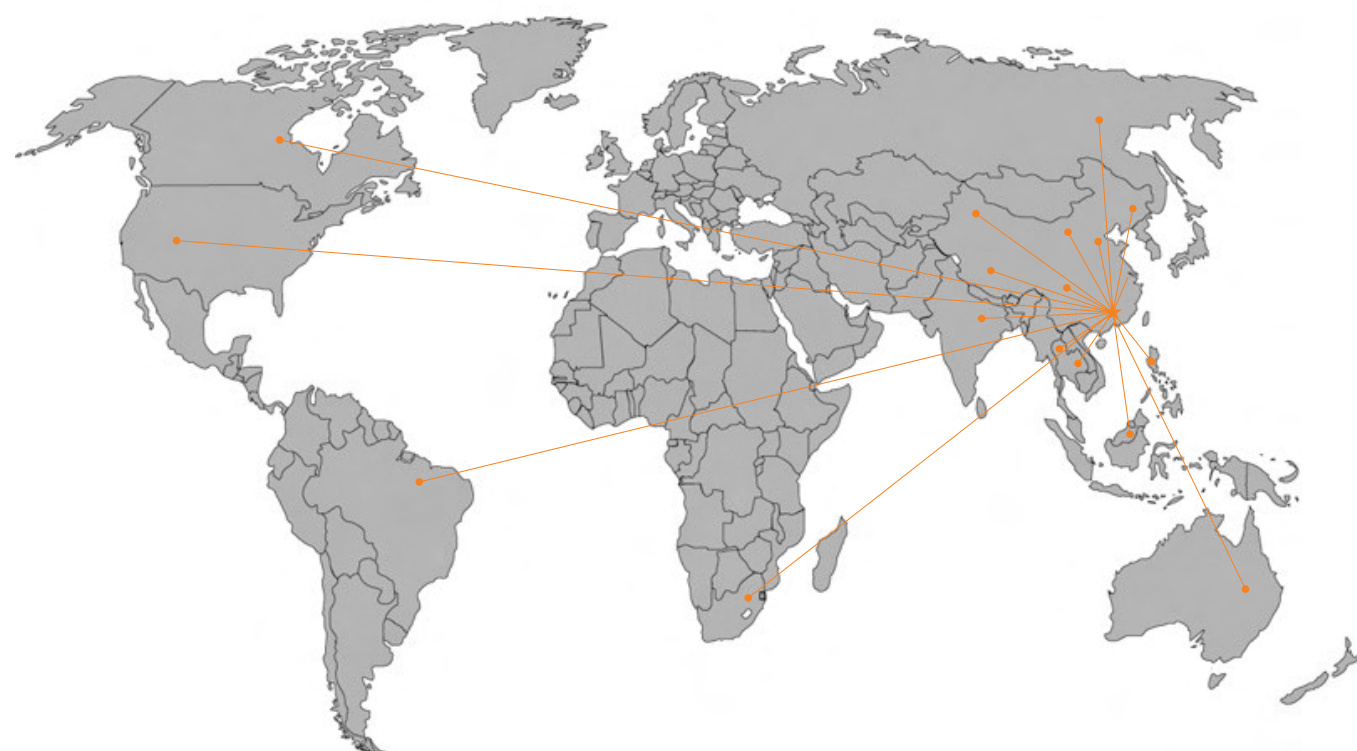




HIGH EFFICIENCY FILTER
ADSORPTION DESICCANT MODULAR-UNITS AIR DRYER



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Modular-Units Desiccant Air Dryer
High Efficiency And Accuracy Filter

- ◆ Efficiency
- ◆ Energy conservation
- ◆ Environment friendly
- ◆ Long service life

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❖ ❖ Expert of compressed air purification system



Modular-Units dryer Accurate filter system



Help you to buildup no-water compressed air purify system



Shenzhen Biteman Technology Co., Ltd (Brand : BITEMAN) is established in June 2006 , specializing in compressed air dryer , dedicated to developing , manufacturing and providing excellent and unique desiccant dryer , Biteman is national level high - tech manufacturer located in government owned high - tech incubator industry park , Shenzhen , China .

Biteman has successfully developed the first Modular-units construction desiccant air dryer and first Opened-bottom element filter , has gained 32 patents in China and USA , all this make Biteman become well-known desiccant air producer who

has patents and core technology in China . Now Biteman is working on global market to introduce the best energy - saving dryer to all customers worldwide .

Biteman is committed to more clean compressed air and environment friendly , on behalf of new China manufacturing technology and workmanship , make ‘China strong manufacturing no longer a dream’ come true , Biteman lead a new revolution in compressed air purification industry from Twin-Tower dryer which purge air is 15% to Modular-unit dryer , only 2% .

Biteman originally developed Modular-units dryer with special construction , such as , Air buffer cavity , multiple-modular convection and regeneration technology , independent and replaceable desiccant modular chamber unit , heat - exchange and cooling system , Instant discharge purge air technology , Central drainage system , Opened-bottom filter element technology and so on , those help to enhance the efficiency and accuracy of cleaning the air with as much lower power as possible .

Now more and more customers choose Biteman dryer , such as some of the huge power generation group , BYD and GM car maker , Gree , P&G , Bridgestone , and etc , considering its environment friendly and huge power saving and excellent performance .

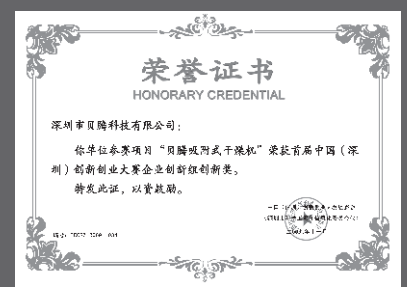
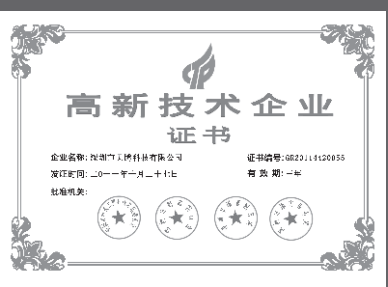
❖ Biteman motto

Credit , Diligent , Service , Innovation

❖ Biteman goal

More purified compressed air
More lower power consumption
More higher quality and workmanship

❖ Award and certificates



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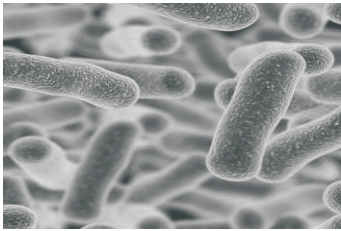
CONTAMINATION

in Compressed air system

Water vapour	Liquid water	Particles
Rust	Pipe pollution	Oil components
Condensate	Odour substance	Microbial
.....		



Liquid water



Microbial



Rust

BITEMAN

DESCRIPTION Of Modular-units Air Dryer



COMPONENTS

- 1

Outlet buffer cavity
Evenly gathering dried air from adsorption desiccant modular units, then flow into air system.
- 2

Purge air flow meter
Purge air volume display , manually adjust purge air on meter according to needed dewpoint at different inlet flow and season.
- 3

Dryer
Modular-units desiccant dryer with small, independent and replaceable desiccant chamber units.
- 4

Inlet buffer cavity
Air flow into cavity and is equally divided and go into each modular-unit.
- 5

Drainage valve
Switch between A and B units group to discharge purge air after regeneration.
- 6

Outlet
Connect with air system and output dried air.
- 7

Control center
PLC control with full function touch panel control.
- 8

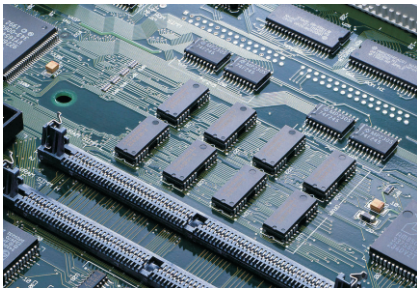
Lnlet
Wet air input.
- 9

Central drainage
Collect water from filters and dryer and discharge timely.

Hazard of contamination in compressed air system

- Lower production efficiency:Water lead to failure of Pneumatic equipment and tooling, even shut down;
- Bad performance:High volume water and pollution highly lower efficiency and accuracy of equipment, such as , slow action of cylinder, solenoid valve, and etc;
- Air leakage:Unclean air can erode the pipe system, lead to air leakage,pressure loss;
- Defective rate increasing:Water can affect final products, lead to more faulty products;
- Equipment and tools failure:Sophisticate equipment and tools can be damaged by unclean air lead to dysfunction;
- Shorten equipment life:Increase the operation cost, sometime cause permanent damage.

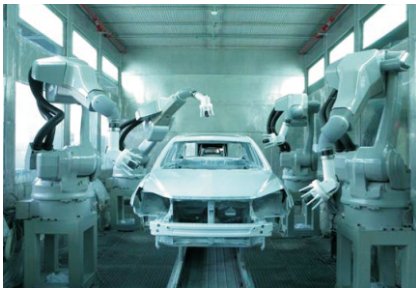
● Electronics



● Power plant



● Vehicle , painting workshop



● Pharmaceutical industry



FEATURES

of Modular-units dessicant air dryer

BITEMAN

FEATURES Of Modular-units Air Dryer

FEATURES :
High efficient adsorption



Constant pressure dew point from -20℃ to -70℃

FEATURES :
Long service life and easy maintenance



Small, independent and detachable desiccant chamber units are the best advantages of Biteman dryer, user can directly change new desiccant chamber units instead of exchange of desiccant, so maintenance can't be more simpler, further more, replace with factory filled cartridge can keep constant dewpoint without the problem of refilling desiccant at user site, such as, hard to remove desiccant and low density, aftermath of fluidization and tunneling effect.

FEATURES :
Low power consumption



Biteman dryer can achieve 2% to 5% purge air without auxiliary vacuum and blower motor. Unique structure and instant discharge technology enhance the regeneration process by increasing the pressure difference according PSA (Pressure swing adsorption), only small proportion purge air needed. Small desiccant cartridges let flow easily passthrough and dried, use molecular sieve which have superb adsorption capability than Alumina desiccant.

BITEMAN®

www.sz biteman.com

Modular-Units dryer Accurate filter system
Help you to build up no-water compressed air purify system



FEATURES :
Others



Biteman has some more advantages, such as, small size and weight, it is typically 30% to traditional dryer, easy installation, no need to hire crane and alter building structure. Small desiccant vessel don't need mandatory annual inspection, save downtime and money.

TECHNOLOGY

of Modular-units desiccant air dryer

---Independent, Detachable, Replaceable

Biteman originally developed Modular-units desiccant dryer using minimized desiccant molecular sieve, it successfully solve some problems of traditional dryer, such as, high purge air, low efficiency and fluidization of desiccant, tunneling problem, difficult exchange of desiccant, and etc.

BITEMAN

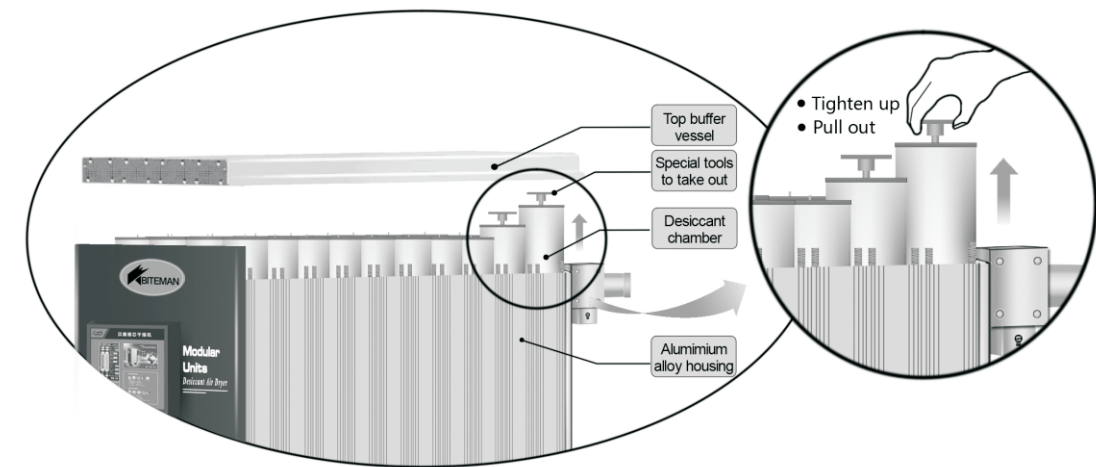


Desiccant Modular-Unit

Inside structure

- Through optimizing Modular dryer, base on safety and gas tightness, Biteman adopt detachable modular unit design, quickly replace with factory filled desiccant chamber units without deteriorating dryer quality.

TECHNOLOGY



Method Of Replacing Desiccant

- Structure**

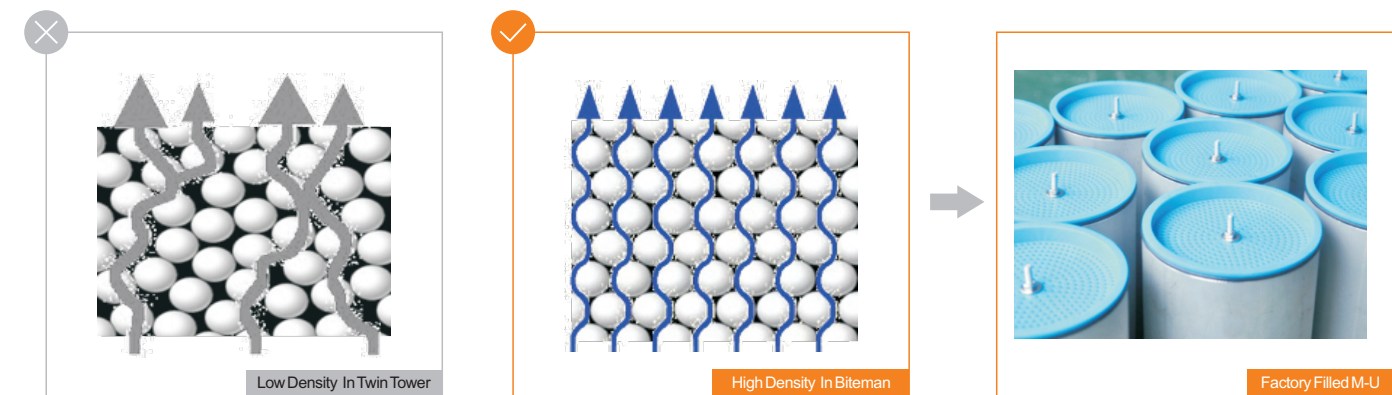
Modular-units dryer consists of many small desiccant tubes, molecular sieve, diffusion board, seal, connectors. Desiccant is filled by high frequency vibration machine to reach more high density and low dew point.

- Ease of maintenance**

Modular-units structure allows quick replacement of desiccant units at site.

- High adsorption efficiency**

Small units highly facilitate ventilation with small resistance, flow is equally and evenly divided into desiccant bed with less fluidization, channeling and desiccant attrition, extend work life



Low Density In Twin Tower

High Density In Biteman

Factory Filled M-U

PRODUCTS

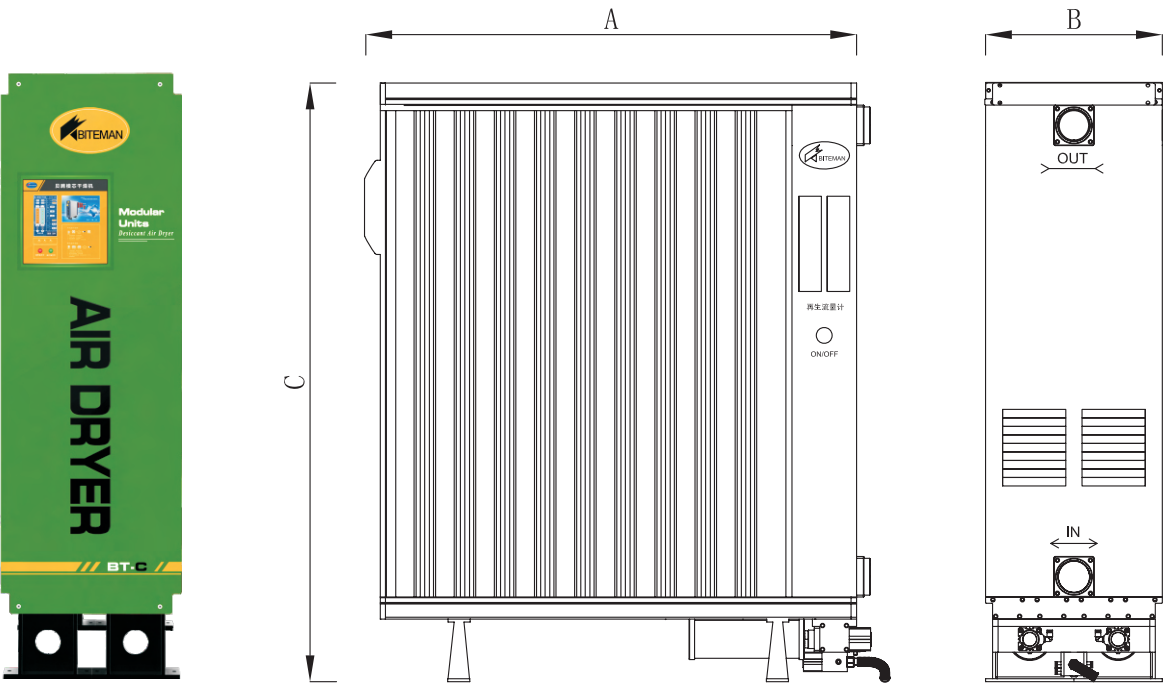
of modular-units desiccant air dryer

Desiccant air dryer -C series data

- Features:
- Biteman PLC and touch panel, full functions touch control system;
 - Pressure and temperature digital display on screen;
 - Purge air meter available to manually adjust purge air volume;
 - Smart interface;
 - Constant -20℃ Pressure dewpoint;
 - Heat or Heatless dryer.

BITEMAN

BTGMX-C
Series



BTGMXW/7-3C series								Heatless
Model	Pipe size	Flow range(m³/min)			Dimension(mm)			Weight(kg)
		@5~6bar	@6~7bar	@7~10bar	A	B	C	
BTGMXW015-C	G1	1.1	1.3	1.5	380	240	728	68
BTGMXW026-C	G1	1.9	2.3	2.6	380	240	878	87
BTGMXW038-C	G1	2.7	3.3	3.8	486	240	878	106
BTGMXW065-C	G2	4.8	5.8	6.5	486	240	1398	140
BTGMXW085-C	G2	6.0	7.4	8.5	595	240	1398	167
BTGMXW106-C	G2	7.4	9.1	10.6	703	240	1398	195
BTGMXW146-C	G2	9.8	12.0	14.6	920	240	1398	248
BTGMXW165-C	G2	11.6	14.2	16.5	1029	240	1398	277
BTGMXW206-C	G2 1/2	14.6	17.8	20.6	1050	240	1398	320
BTGMXW248-C	G3	16.7	20.5	24.8	829	480	1398	438
BTGMXW295-C	G3	21.5	26.3	29.5	938	480	1398	490
BTGMXW336-C	G3	24.1	29.5	33.6	1047	480	1398	542
BTGMXW385-C	G3	26.8	32.8	38.5	1156	480	1398	595
BTGMXW425-C	G3	29.7	36.4	42.5	1265	480	1398	647
BTGMXW465-C	G4	32.7	40.1	46.5	1374	480	1398	700

BTGMXD/7-3C series

Heat

Model	Pipe size	Flow range(m³/min)			Dimension(mm)			Power (kw)	Weight (kg)
		@5~6bar	@6~7bar	@7~10bar	A	B	C		
BTGMXD015-C	G1	1.1	1.3	1.5	380	240	728	0.4	68
BTGMXD026-C	G1	1.9	2.3	2.6	380	240	878	0.4	87
BTGMXD038-C	G1	2.7	3.3	3.8	486	240	878	0.6	106
BTGMXD065-C	G2	4.8	5.8	6.5	486	240	1398	0.8	140
BTGMXD085-C	G2	6.0	7.4	8.5	595	240	1398	1.0	167
BTGMXD106-C	G2	7.4	9.1	10.6	703	240	1398	1.0	195
BTGMXD146-C	G2	9.8	12.0	14.6	920	240	1398	1.4	248
BTGMXD165-C	G2	11.6	14.2	16.5	1029	240	1398	1.6	277
BTGMXD206-C	G2 1/2	14.6	17.8	20.6	1050	240	1398	2.0	320
BTGMXD248-C	G3	16.7	20.5	24.8	829	480	1398	2.4	438
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BTGMXD385-C	G3	26.8	32.8	38.5	1156	480	1398	3.6	595
BTGMXD425-C	G3	29.7	36.4	42.5	1265	480	1398	4.0	647
BTGMXD465-C	G4	32.7	40.1	46.5	1374	480	1398	4.4	700

Technical Specifications

- Minimum operating pressure : 4.5 bar; Maximum operating pressure : 10 bar(10bar to 13bar optional);
Pressure dewpoint : -20℃ (-4° F);
Maximum inlet temp : 40℃ (40℃ to 55optional);
Purge air : 5% for heatless dryer , 2% for heat dryer;
Pressure drop : Less 0.12bar;
Noise levels : 75db (Average);
Recommend built in water heat ex-changer or refrigerator dryer for the application of the inlet temperature higher than 20℃.



Some Chinese patents :

- ZL 201020514610.0
- ZL 201020521796.2
- ZL 200720171525.7
- ZL 200620017361.8
- ZL 201010104456.4
- ZL 201220006198.0
- ZL 201220006034.8
- ZL 201220216818.3
- ZL 201010104456.4
- ZL 201230270519.5

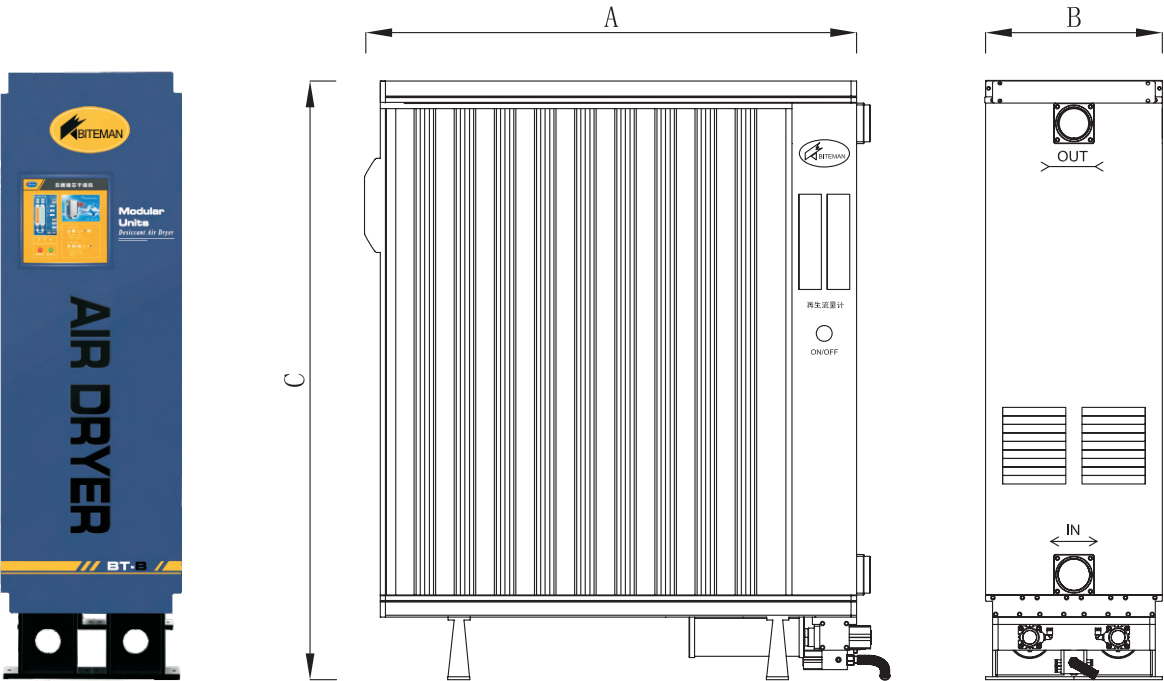
Some international patents :

- PCT/CN2011/079225
- PCT/CN2012/078348
- PCT/CN2012/078368

PRODUCTS

of modular-units desiccant air dryer
Desiccant air dryer -B series data

- Feature:
- Biteman PLC and touch panel, full functions touch control system
 - Pressure and temperature digital display on screen
 - Purge air meter available to manually adjust purge air volume
 - Smart interface
 - Constant -40℃ Pressure dewpoint
 - Heat or Heatless dryer



BTGMXW/7 – 2B series								Heatless
Model	Pipe size	Flow range(m³/ min)			Dimension(mm)			Weight(kg)
		@5~6bar	@6~7bar	@7~10bar	A	B	C	
BTGMXW015-B	G1	1.1	1.3	1.5	380	240	828	78
BTGMXW026-B	G1	1.9	2.3	2.6	380	240	978	87
BTGMXW038-B	G1	2.7	3.3	3.8	486	240	978	106
BTGMXW065-B	G2	4.8	5.8	6.5	486	240	1628	159
BTGMXW085-B	G2	6.0	7.4	8.5	595	240	1628	192
BTGMXW106-B	G2	7.4	9.1	10.6	703	240	1628	226
BTGMXW146-B	G2	9.8	12.0	14.6	920	240	1628	293
BTGMXW165-B	G2	11.6	14.2	16.5	1029	240	1628	327
BTGMXW206-B	G2 1/2	14.6	17.8	20.6	1050	240	1628	380
BTGMXW248-B	G3	16.7	20.5	24.8	829	480	1628	510
BTGMXW295-B	G3	21.5	26.3	29.5	938	480	1628	574
BTGMXW336-B	G3	24.1	29.5	33.6	1047	480	1628	638
BTGMXW385-B	G3	26.8	32.8	38.5	1156	480	1628	702
BTGMXW425-B	G3	29.7	36.4	42.5	1265	480	1628	767
BTGMXW465-B	G4	32.7	40.1	46.5	1374	480	1628	831

BTGMXD/7 – 2B series								Heat	
Model	Pipe size	Flow range(m³/ min)			Dimension(mm)			Power (kw)	Weight (kg)
		@5~6bar	@6~7bar	@7~10bar	A	B	C		
BTGMXD015-B	G1	1.1	1.3	1.5	380	240	828	0.4	68
BTGMXD026-B	G1	1.9	2.3	2.6	380	240	978	0.4	87
BTGMXD038-B	G1	2.7	3.3	3.8	486	240	978	0.6	106
BTGMXD065-B	G2	4.8	5.8	6.5	486	240	1628	0.8	159
BTGMXD085-B	G2	6.0	7.4	8.5	595	240	1628	1.0	192
BTGMXD106-B	G2	7.4	9.1	10.6	703	240	1628	1.0	226
BTGMXD146-B	G2	9.8	12.0	14.6	920	240	1628	1.4	293
BTGMXD165-B	G2	11.6	14.2	16.5	1029	240	1628	1.6	327
BTGMXD206-B	G2 1/2	14.6	17.8	20.6	1050	240	1628	2.0	380
BTGMXD248-B	G3	16.7	20.5	24.8	829	480	1628	2.4	510
BTGMXD295-B	G3	21.5	26.3	29.5	938	480	1628	2.8	574
BTGMXD336-B	G3	24.1	29.5	33.6	1047	480	1628	3.2	638
BTGMXD385-B	G3	26.8	32.8	38.5	1156	480	1628	3.6	702
BTGMXD425-B	G3	29.7	36.4	42.5	1265	480	1628	4.0	767
BTGMXD465-B	G4	32.7	40.1	46.5	1374	480	1628	4.4	831

Technical Specifications

- Minimum operating pressure : 4.5 bar; Maximum operating pressure : 10 bar(10bar to 13bar optional);
Pressure dewpoint : -40℃ (-4° F);
Maximum inlet temp : 40℃ (40℃ to 55optional);
Purge air : 5% for heatless dryer , 2% for heat dryer;
Pressure drop : Less 0.12bar;
Noise levels : 75db (Average);
Recommend built in water heat ex-changer or refrigerator dryer forthe application ofthe inlet temperature higher than 40℃.



Optional functions for B and C - series dryer

- Y - series
Remote control module
Remote Display and operation;
- L-series
Dew point digital display on screen
Outlet flow dewpoint realtime digital display;
- High pressure optional
For pressure 10barto 13bar;
- Control Programme optional 4F/3F
Biteman Central - drainage system is to gather the water from filters and dryer and drain
4F is of choosing Biteman filters
3F is of without Biteman filters .

PRODUCTS

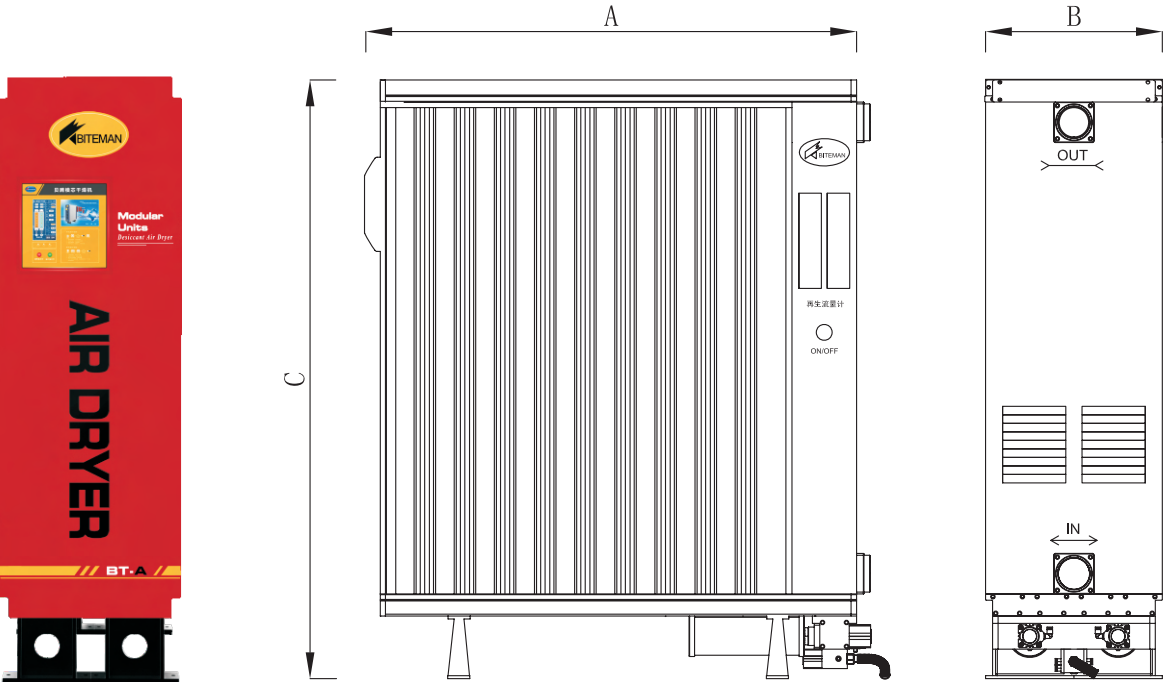
of modular-units desiccant air dryer

Desiccant air dryer -Aseries data

- Feature:
- Biteman PLC and touch panel, full functions touch control system
 - Pressure and temperature digital display on screen
 - Flow and dewpoint digital display on screen
 - Purge air flow digital display on screen
 - Automatically adjust purge air according to preset dewpoint
 - Purge air meter available to manually adjust purge air volume at different inlet flow and season
 - Smart interface
 - Constant -40℃ Pressure dewpoint. -70℃ pdp optional

BITEMAN

BTGMX-A
Series



BTGMXW/7-2A series								Heatless
Model	Pipe size	Flow range(m³/min)			Dimension(mm)			Weight(kg)
		@5~6bar	@6~7bar	@7~10bar	A	B	C	
BTGMXW015-A	G1	1.1	1.3	1.5	380	240	828	78
BTGMXW026-A	G1	1.9	2.3	2.6	380	240	978	87
BTGMXW038-A	G1	2.7	3.3	3.8	486	240	978	106
BTGMXW065-A	G2	4.8	5.8	6.5	486	240	1628	159
BTGMXW085-A	G2	6.0	7.4	8.5	595	240	1628	192
BTGMXW106-A	G2	7.4	9.1	10.6	703	240	1628	226
BTGMXW146-A	G2	9.8	12.0	14.6	920	240	1628	293
BTGMXW165-A	G2	11.6	14.2	16.5	1029	240	1628	327
BTGMXW206-A	G2 1/2	14.6	17.8	20.6	1050	240	1628	380
BTGMXW248-A	G3	16.7	20.5	24.8	829	480	1628	510
BTGMXW295-A	G3	21.5	26.3	29.5	938	480	1628	574
BTGMXW336-A	G3	24.1	29.5	33.6	1047	480	1628	638
BTGMXW385-A	G3	26.8	32.8	38.5	1156	480	1628	702
BTGMXW425-A	G3	29.7	36.4	42.5	1265	480	1628	767
BTGMXW465-A	G4	32.7	40.1	46.5	1374	480	1628	831

BTGMXD/7-2A series

Heat

Model	Pipe size	Flow range(m³/min)			Dimension(mm)			Power (kw)	Weight (kg)
		@5~6bar	@6~7bar	@7~10bar	A	B	C		
BTGMXD015-A	G1	1.1	1.3	1.5	380	240	828	0.4	78
BTGMXD026-A	G1	1.9	2.3	2.6	380	240	978	0.4	87
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Technical Specifications

- Minimum operating pressure : 4.5 bar; Maximum operating pressure : 10 bar(10bar to 13bar optional);
Pressure dewpoint : -20℃ (-4° F);
Maximum inlet temp : 40℃ (40℃ to 55 optional);
Purge air : 5% for heatless dryer , 2% for heat dryer;
Pressure drop : Less 0.12bar;
Noise levels : 75db (Average);
Recommend built in water heat ex-changer or refrigerator dryer for the application of the inlet temperature higher than 40℃.



Optional features

- Dew point realtime digital display on screen
Built-in Dew point meter and dewpoint can be digital readout on screen;
- Purge air auto-control
For the dryer with dewpoint meter and control system , purge air can be automatically controlled by adjusting the valve according to preset dewpoint aim to save purge air in different season and weather.

PRESENTATION

of modular-units desiccant air dryer
Customized dryers

Inlet air conditions could affect drying effect directly , customized dryers are designed for special inlet conditions.

BITEMAN

BTGMX*
Series



❖❖ Twin silencers dryer

Following models can use two silencers design

BTGMX * 165 BTGMX * 206
BTGMX * 336 BTGMX * 385
BTGMX * 425 BTGMX * 465

Introduction :

Twin silencers dryer means one more outlet for purge air with less resistance of flow, it help to enhance the desorption process of water from desiccant, purge air and noise become small



❖❖ Inlet heat exchanger - Optional

Operation condition :

While the inlet air temperature range at 40℃ to 45℃, we recommend dryer built-in heat exchanger, lower the temperature by using cool water

Introduction :

High temperature dysfunction desiccant to absorb water, must keep the inlet air temperature below 40℃ , built-in exchanger use outside cool water to cool air, it is suitable for moderate high temperature condition



❖❖ Built-in refrigerator

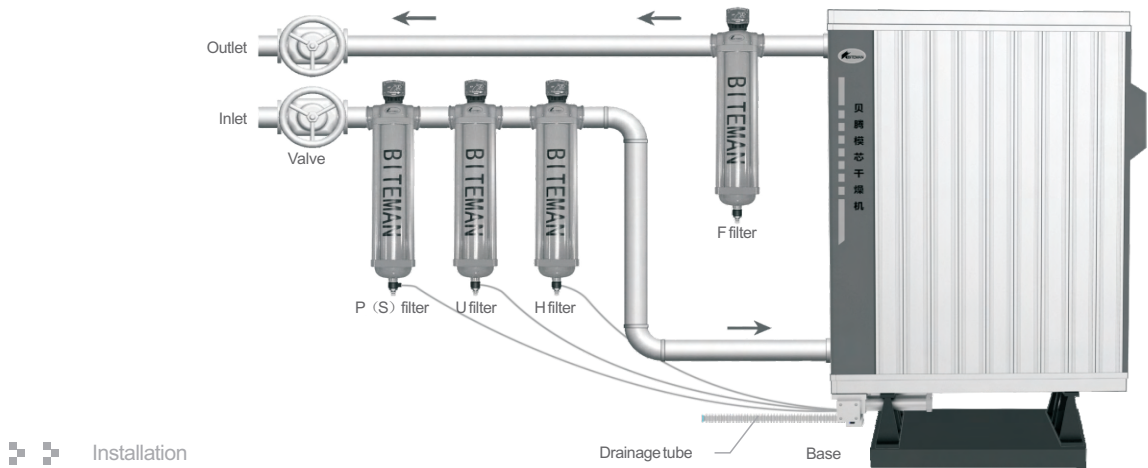
Operation condition :

Inlet air temperature is higher than 40℃ or not cool water supply.

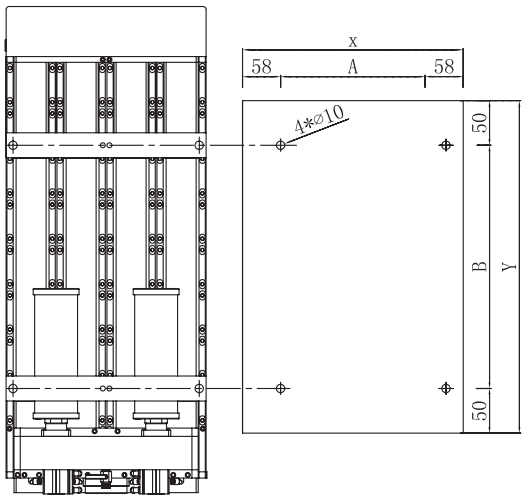
Introduction :

Built-in refrigerator chiller not only cool inlet air temperature, but take advantages of generated heat by chiller to enhance the desorption process in regenerated desiccant bed to save purge air.

INSTALLATION



❖❖ Installation



❖❖ Base dimension

Height: 100mm
X : Width
Y: Length
B: Distance between two bolts
Bolt: 10mm diameter expansion bolt

Installation

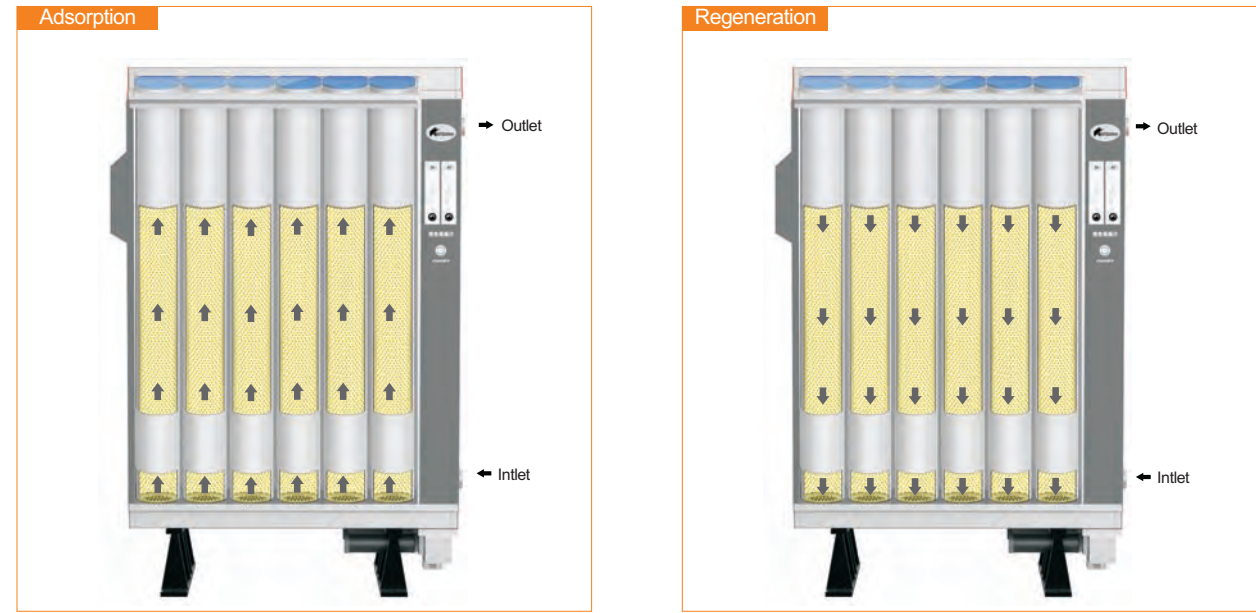
BASE

Model	Base dimension (mm)			Installation dimension mm±2mm	
	X	Y	H	A	B
BTGMX* * 065	340	305	100	224	205
BTGMX* * 085	340	340	100	224	240
BTGMX* * 106	340	448	100	224	348
BTGMX* * 146	340	556	100	224	456
BTGMX* * 165	340	665	100	224	565
BTGMX* * 206	340	882	100	224	782
BTGMX* * 248	580	463	100	464	363
BTGMX* * 295	580	571	100	464	471
BTGMX* * 336	580	680	100	464	580
BTGMX* * 385	580	788	100	464	688
BTGMX* * 425	580	897	100	464	797
BTGMX* * 465	580	1005	100	464	905

WORKING principle

of modular-units desiccant air dryer

Biteman use the latest initial technology of Modular-units structure, split the big desiccant vessel into certain desiccant units (cylinders), it highly enhance desiccant efficiency and lower the purge air.



■ Dry process

Wet compressed air flow into inlet buffer cavity and pass through each desiccant Modular-unit evenly, Biteman use exclusive technology to control equal flow into each unit, desiccant absorb water

■ Regeneration process

- **Heatless**

Dried air flow into regeneration units via purge air adjustable valve, under accurate control and the Pressure Swing Adsorption (PSA) process, dried air blow the wet desiccant to remove water and discharge via muffler valve
- **Heat**

Dried air is heated in top cavity and then flow into regeneration units, heated air can enhance desorption process to save more purge air.

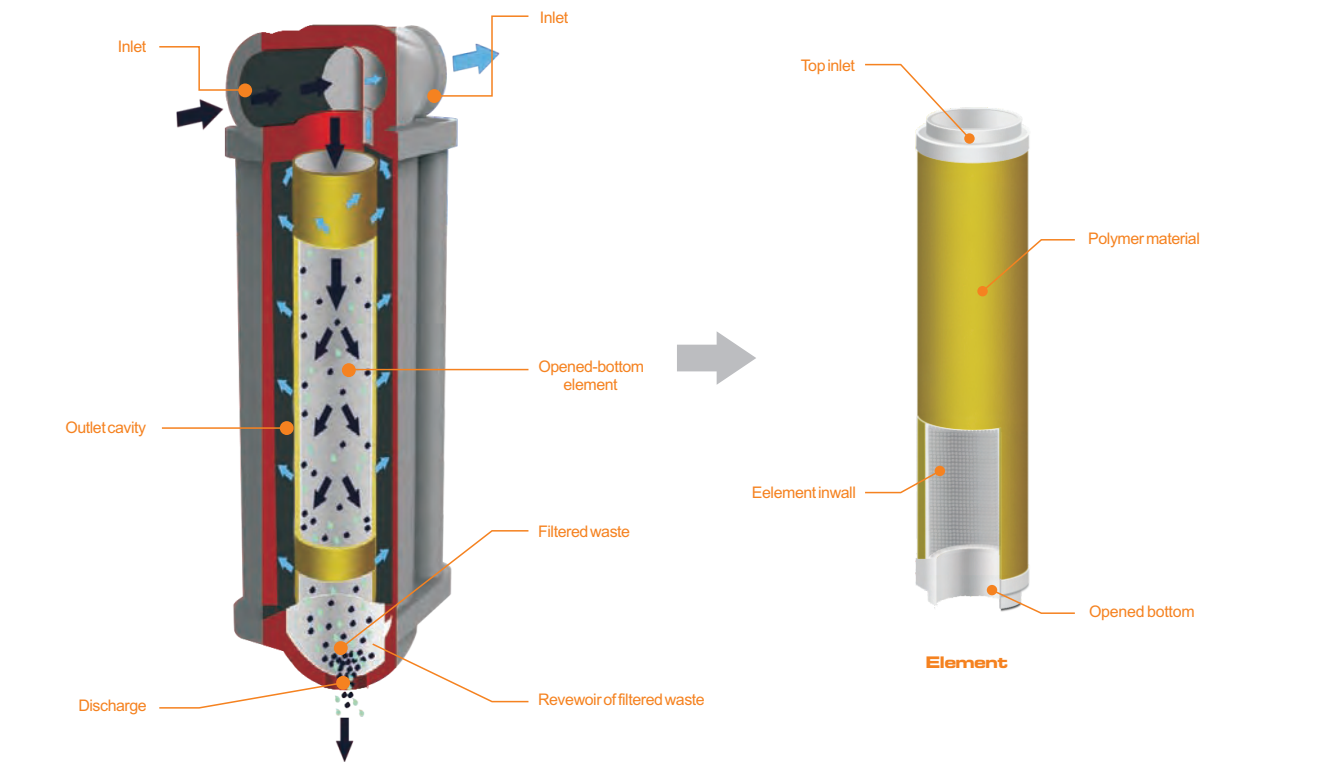
BITEMAN

WORKING principle

WORKING principle

Filter operation

Biteman exclusive filter used to block particles and filter water vapour and oil components with unique design on our element which is open at bottom, it is categorical difference from conventional filter.



Open top and bottom element design can discharge the blocked particles, oil components, water directly by the high pressure air inside the element instead of locked or adhesive to element, help to reduce the pressure drop and prolong service life. High quality Polymeric material can absorb oil and block different size particles

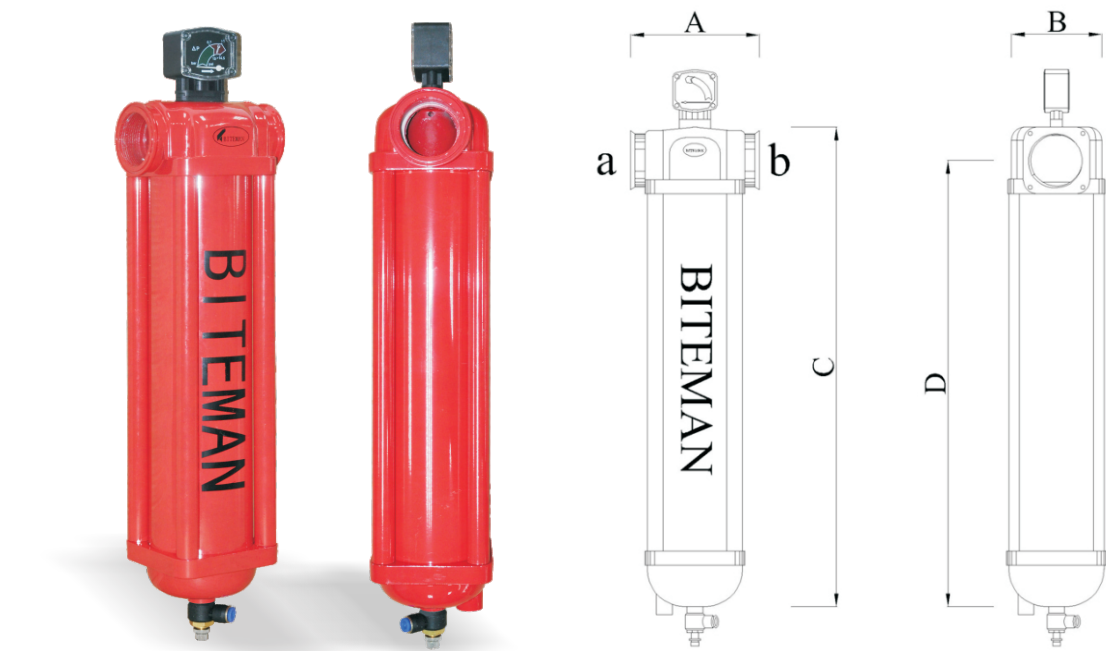


FILTER

details

ELEMENT details

Grade	Accuracy	Maximum oil content	Filtration efficiency	Funtion	Pre-filter Grade
S-Grade	3μ	1ppm	99.99%	Remove particle,liquid water and oil	--
P-Grade	3μ	1ppm	99.99%	Remove particle,liquid water and oil	--
U-Grade	1μ	0.5ppm	99.99%	Remove particle,liquid water and oil	S/P
H-Grade	0.1μ	0.1ppm	99.99%	Remove particle,liquid water and oil	U
F-Grade	0.01μ	0.01ppm	99.99%	Remove particle	H



FILTER details

Filter model	Connection	Element model	Flow (m³/min)	Dimension (mm)				Weight(kg)
				A	B	C	D	
BTL015	G1	FE015	1.5	100	80	226	199	2.0
BTL026	G1	FE026	2.6	100	80	276	249	2.6
BTL038	G1	FE038	3.8	100	80	326	299	3.2
BTL065	G2	FE065	6.5	154	120	609	453	4.3
BTL085	G2	FE085	8.5	154	120	629	473	4.7
BTL106	G2	FE106	10.6	154	120	659	503	5.2
BTL146	G2	FE146	14.6	154	120	709	573	5.7
BTL165	G2	FE165	16.5	154	120	739	583	6.3
BTL206	G3	FE206	20.6	240	160	730	593	9.8
BTL248	G3	FE248	24.8	240	160	750	613	10.0
BTL295	G3	FE295	29.5	240	160	770	633	10.2
BTL336	G3	FE336	33.6	240	160	790	653	10.4
BTL385	G3	FE385	38.5	240	160	800	663	10.6
BTL425	G3	FE425	42.5	240	160	820	683	10.8
BTL465	G4	FE465	46.5	240	160	830	693	11.0

BITEMAN

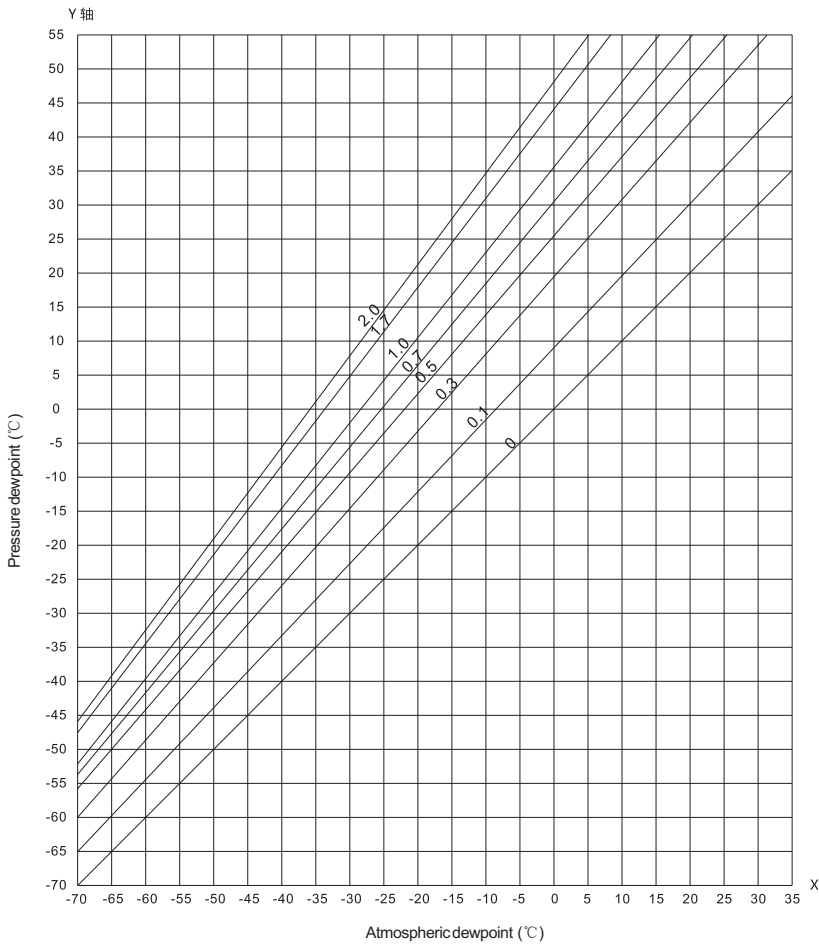
FILTER

details

COMPARISON table

Water under atmospheric dewpoint

PDP (°C)	Water volume (g/m³)	PDP (°C)	Water volume (g/m³)	PDP (°C)	Water volume (g/m³)	PDP (°C)	Water volume (g/m³)	PDP (°C)	Water volume (g/m³)
64	153.8	39	48.7	14	12.1	-11	2.19	-36	0.260
63	147.3	38	46.3	13	11.4	-12	2.03	-37	0.236
62	141.2	37	44.0	12	10.7	-13	1.88	-38	0.214
61	135.3	36	41.8	11	10.0	-14	1.74	-39	0.194
60	130.3	35	39.6	10	9.3	-15	1.61	-40	0.176
59	124.7	34	37.6	9	8.8	-16	1.48	-41	0.159
58	119.4	33	35.7	8	8.3	-17	1.37	-42	0.144
57	114.2	32	33.8	7	7.8	-18	1.26	-43	0.130
56	109.2	31	32.1	6	7.3	-19	1.17	-44	0.117
55	104.4	30	30.4	5	6.8	-20	1.07	-45	0.106
54	99.8	29	28.8	4	6.4	-21	0.99	-46	0.095
53	95.4	28	27.2	3	5.9	-22	0.91	-47	0.085
52	91.1	27	25.8	2	5.6	-23	0.84	-48	0.077
51	87.0	26	24.4	1	5.2	-24	0.77	-49	0.069
50	83.1	25	23.1	0	4.8	-25	0.70	-50	0.062
49	79.3	24	21.8	-1	4.5	-26	0.65	-51.1	0.054
48	75.6	23	20.6	-2	4.2	-27	0.59	-53.9	0.040
47	72.3	22	19.4	-3	3.9	-28	0.54	-56.7	0.029
46	68.7	21	18.3	-4	3.7	-29	0.50	-59.4	0.021
45	65.5	20	17.3	-5	3.4	-30	0.45	-62.2	0.014
44	62.4	19	16.3	-6	3.2	-31	0.41	-65.0	0.011
43	59.4	18	15.4	-7	2.9	-32	0.38	-67.8	0.008
42	56.6	17	14.5	-8	2.7	-33	0.34	-70.6	0.005
41	53.8	16	13.6	-9	2.5	-34	0.31	-73.3	0.003
40	51.2	15	12.8	-10	2.4	-35	0.29	--	--



CERTIFICATES

Patents

- Invention patent : 3 pcs
- PCT patent : 4 pcs
- US patent : 1pc
- Others patent : 24 pcs

Certificates



BITEMAN CERTIFICATES

CASE

Some of customers

- ◆ Tianjin Unite Tire & Rubber International Co.,LTD
- ◆ Air-mate China
- ◆ Vissystems China
- ◆ Shenzhen Shennan Circuit Company
- ◆ Zeny Corporation (Shenzhen)
- ◆ Desay Electronics(Huizhou)Co., Ltd
- ◆ Kerry Properties Limited
- ◆ WAICHI OPTO TECHNOLOGY LTD
- ◆ DEE VAN ENTERPRISE CO.,LTD
- ◆ BAK Electronic Co.,Ltd
- ◆ Zhanjian Aoli Power plant
- ◆ BRIDGESTONT CHINA
- ◆ SGMW AUTO GM joint venture
- ◆ Gree Co.,Ltd
- ◆ Hunan Kaiyuan Textile Co.,Ltd
- ◆ HEFEI GUOXIAN HIGH-TECH POWER ENERGY CO.,LTD
- ◆ Chongqin Zhichen Machinery Co.,Ltd
- ◆ Foxconn Group
- ◆ BYD Auto
- ◆ CCAG Auto Ford joint venture in China
- ◆ P&G China
- ◆ China Southern Airlines
- ◆ AVIC Chengdu Caic Electronics Co.,Ltd Warcraft maker
- ◆ AVIC Guizhou Honglin Machinery Co.,Ltd.
- ◆ Aluminum Corporation of China
- ◆ Jinjia Group---The biggest print factory in China
- ◆ CHINANATIOANL OFFSHORE OIL CORP
- ◆ Fentai power plant
- ◆ Dongyin power plant
- ◆ Fujian Yongan power plant
- ◆ Fujian Zhanpin power plant
- ◆ Hunan Leiyuan power plant
- ◆ Datang Huayin Electrics Power Co.,Ltd
- ◆ GUODIAN DUYUN POWER GENERATION CO., LTD



Fujian Zhanpin power plant



GUODIAN DUYUN POWER GENERATION CO., LTD



SGMW AUTO GM joint venture



Tianjin Unite Tire & Rubber International Co.,LTD



Gree Co.,Ltd



Shennan Circuit Company