

# **Xi'an Brightway Energy Machinery Equipment Co.,Ltd**

**--- Vacuum degasser**

- 1. How Brightway design & develop the BW Vacuum degasser?**
- 2. What is BW Vacuum degasser structure and features?**
- 3. How about the specification for BW vacuum degasser?**
- 4. What are Quick-wear parts for BW Vacuum degasser?**
- 5. How the BW Vacuum degasser produced?**
- 6. Certificate and contact info**

# 1. How Brightway design & develop the BW Vacuum degasser?

Brightway cooperate with Southwest Petroleum University and Changqing Drilling Research Institute to design and develop the BW Vacuum degasser.

## 2.What is BW Vacuum degasser structure and features?



1. Motor: Using the famous brand motor.
2. Explosion-proof electric control box: Well Known brands as Helong or Huarong.  
.The electric components are well-known brand as , , .
- 3.The base Material : Iron Q235B from BAOSTEEL with quality certificate
- 4.Manometer:Using the famour brand company
- 5.Cap: Iron Q235B from BAOSTEEL with quality certificate

### 3.How about the specification for BW Vacuum degasser?

Model	ZCQ270	ZCQ360
Main diameter	800mm	1000mm
Capacity	$\cong 270\text{m}^3/\text{h}$	$\cong 360\text{m}^3/\text{h}$
Vacuum	0.030~0.050Mpa	0.040~0.065Mpa
Ratio	1.68	1.72
Efficiency	$\cong 95\%$	$\cong 95\%$
Motor Power	22Kw	37Kw
Vacuum Power	3Kw	7.5Kw
Rotary Speed	870r/min	880r/min
Dimension	2000×1000×1670m m	2400×1500×1850mm
Weight	1350Kg	1800Kg

## 4. What are Quick-wear parts for BW Vacuum degasser?

S/n	Description	Unit	QTY	Remark
1	Bearing	Set	2	
2	V-belt	pc	3pcs for BWZCQ270 3pcs for BWZCQ360	

## 5. How the BW Vacuum degasser produced?

Material Purchase  
Suppliers need to provide the qualified certificate.  
For example, Iron 235B with oven certificate and quality assurance certificate.



oven & quality certificate for iron.jpg

客户名称 客户名称 客户名称			产品名称 产品名称 产品名称			规格 规格 规格			数量 数量 数量			重量 重量 重量			长度 长度 长度			直径 直径 直径			厚度 厚度 厚度			公差 公差 公差			检验日期 检验日期 检验日期			检验地点 检验地点 检验地点		
1	202401001	1	202401	2.79	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				
2	202401002	2	202401	2.79	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				
3	202401003	3	202401	2.79	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				



Oil Drilling&HDD



Technical department provide the technical drawing for production.  
Production department arrange the production in schedule.  
QC department monitor the production and set up the checking record.



Equipment adjustment and pilot test for 4 hours  
(working noise should be under 85 db)



**Inspection  
checklist**



**Production  
control checklist**



**typo test  
checklist**



# Vacuum degasser Checklist

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

Model		factory number	Motor No	
No	test item	technical requirements	Measured Value	test method
1	bearing assembly	Bearing assembly clearance adjustment 0.10~0.15mm		depthometer
2	Connections, fasteners	No loose phenomenon, the bolt head appears 2-3button		Touch, visual
3	hydrostatic test	water gage 0.20MPa No leakage Pressure keeping half an hour		visual
4	machine running	Smooth operation, no abnormal noise		Visual, auditory
5	parametric measurement	pump down time≤30 <sup>s</sup>		stopwatch
		Rated vacuum 0.03~0.05MPa		vacuum meter
		1.5 hours running bearing temperature rise≤45℃		infrared thermometer
		Noise in the rated condition≤80db(A)		sound level meter
		Capacity: nominal value±10%		flowmeter
		The exhaust pipe quantity drops≤80ml/h		flowmeter
6	appearance	Smooth surface, no welding spatter and knock against		Visual
		Weld pore-free slag bite edge convex tumor		Visual
		Spray paint without hanging flow, bubble, stripping, string color		Visual
		film thickness 80~120um		coating thickness gauge
inspection result			Remark	





**Shipment**





**Brightway is a professional manufacturer for solids control equipments and the complete set of solids control system.**

**Company name:** Xi'an Brightway Energy Machinery Equipment Co.,Ltd

**HQ Address:** No.188 Fuyu road, Xi'an, China

**Tel:** +86-29-89305763/ 89300061

**Fax:** +86-29-89305769

**Email:** allen@bwsolidscontrol.com

**Website:** [www.bwsolidscontrol.com](http://www.bwsolidscontrol.com)

