BETAKAZAN

BETA KAZAN Boiler Company

BTC MODEL

Conventional Cyclone & Multicyclone

Product Overview

Your Industrial Energy Strength

www.betakazan.com

Company Profile

With a solid 15 years' experience in the industry, ***BETA KAZAN Boiler Company*** offers energy solutions for domestic and industrial applications of all sizes thanks to its extensive portfolio and activities that include steam, hot water and hot oil boilers, solid fuel and waste burning systems, heat exchangers, feed water preparation systems, chimney filtration systems and dust collection.

BETA KAZAN Boiler Company is dedicated to swiftly fulfill its commitments, even amidst competitive market conditions, as well as to fully meet customers' expectations while offering top tier services thanks to its professional team, consequently establishing the company as a trusted partners in more than 500 projects both locally and internationally.

All ***BETA KAZAN Boiler Company's*** products are built in the capital Ankara which makes it easy to deliver at all kinds of points throughout the Middle East, Eastern Europe and Western and Central Asia.

BETA KAZAN Boiler Company is proud to be certified in TS EN ISO 9001, reflecting its commitment to quality management; TS EN ISO 14001, demonstrating its dedication to effective environmental management; and TS EN ISO 45001, showcasing its focus on maintaining a safe and healthy work environment. These certifications affirm the company's adherence to top international standards in quality, sustainability, and occupational health and safety.

BETA KAZAN Boiler Company is an honorable member of:

kbsd
KAZAN VE BASINÇLI KAP SANAYİCİLERİ DERNEĞİ
1985

Boiler and Pressure Vessel Industrialists Association

ISIB TURKISH HVAC-R

Turkish HVAC&R Exporters Association

BTC KLASİK VE ÇOKLU TİP SİKLON
CONVENTIONAL CYCLONE AND MULTICYCLONE

Klasik tip siklonlar endüstriyel tesislerde hava içinde bulunan iri toz partiküllerinin havadan ayrıştırılması ve toz toplama filtreleri öncesinde ön ayırıcı olarak, filtreye gelen toz partikül yükü azaltma amaçlı kullanılmaktadırlar. Siklonlar 50µ'a kadar olan iri toz partiküllerinin tamamını tutulabilirken, 10µ'un altındaki toz partiküllerini ise tutamaz.

Çoklu tip multisiklonlar endüstriyel tesislerde duman gazları gibi toz yüklü atık gazların ve proses hava ve gazlarının içinde bulunan iri toz partiküllerinin havadan ayrıştırılmasında kullanılmaktadırlar.Toz tutma verimleri klasik tip siklonlara göre daha yüksek ve tutulabilecek parça büyüklükleri çok daha ince ve küçüktür.

Siklon girişinden yüksek hız ile teğetsel olarak siklona giren tozlu gaza, helisel bir akış formu verilerek, yoğunluğu taşıyıcı ortamdan daha yüksek olan parçacıkların merkezkaç kuvvet ile siklon cidarlarına yönlendirilmesi sağlanır. Siklon içindeki ani hız değişimi nedeniyle ataletini kaybeden partiküller siklon cidarından süzülerek altdaki yüksek açılı konik toplama bunkerine akar. Bu mekanizma sonucu içerdiği tozlardan arındırılmış olan gaz, siklon merkezindeki çıkış borusu vasıtasıyla siklon üst kısmından dışarıya verilir.

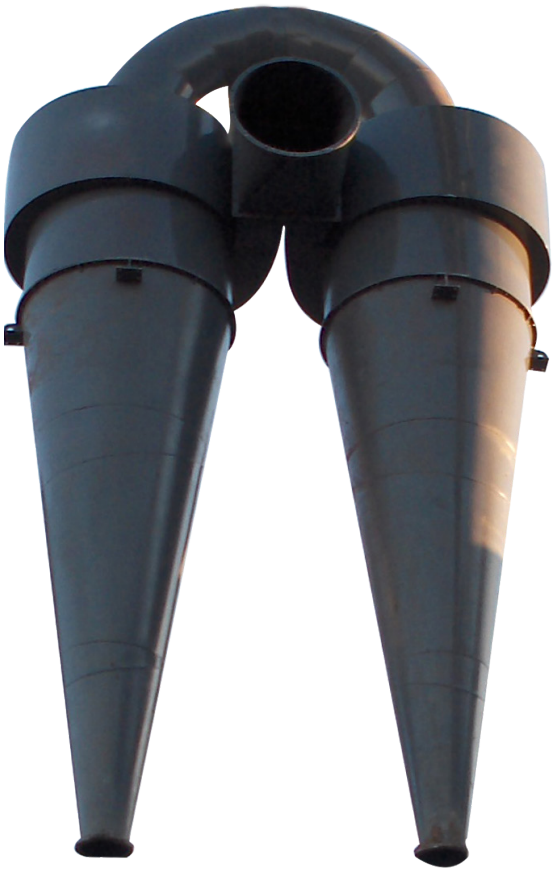
- Yüksek verimli toz partikülü tutabilme özelliği.
- Bunkerinde ön depolama avantajı
- Her türlü kapasite ve gaz için özel olarak dizayn edilebilme.
- Düşük işletme ve bakım maliyeti.

Conventional type cyclones are used in industrial facilities to separate the large dust particles from the air and to reduce the dust particle load coming to the collection filters. Cyclones can hold all large dust particles up to 50µ, but not those below 10µ.

Multicyclones are used in industrial facilities to separate dust-laden waste gases such as flue gases and large dust particles from the air. Dust holding efficiencies are higher than those in conventional cyclones and the particle sizes that can be held are much thinner and smaller.

The dusty gas entering the cyclone tangentially at high speed from the cyclone inlet is given a helical flow form, allowing the particles with higher density than the carrier medium to be directed to the cyclone walls by centrifugal force. Particles that lose their inertia due to the sudden speed change in the cyclone filter through the cyclone wall and flow into the high-angle conical storage bunker at the bottom. As a result, the gas, which has been purified from the dust it contains, is discharged out from the upper part of the cyclone through the outlet pipe in the center of the cyclone.

- *High efficiency dust particle retention feature.*
- *Pre-storage advantage in the bunker*
- *Custom designs for any capacity and gas is possible.*
- *Low operating and maintenance cost.*



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