

קטלוג פחם פעיל לספיחת VOC וטיהור מים

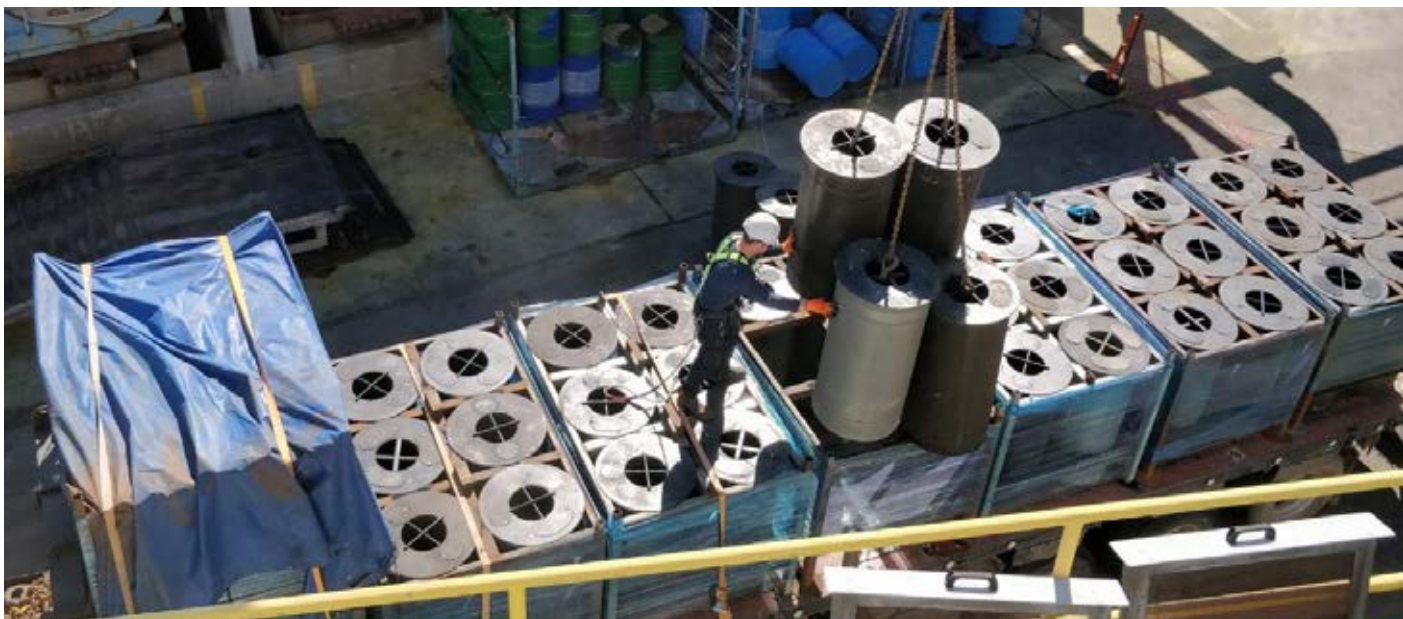
א.ב.פ. א.ב.פ.

Chemical Engineering and Ventilation Ltd.

הנדסת כימיה ואוורור בע"מ.



www.abp-eng.com



חברת א.ב.פ. הנדסת כימיה ואוורור בע"מ הינה אחת החברות הוותיקות בישראל לתכנון, ייצור, הרכבה ואחזקת מערכות לטיפול בפליטות לסביבה, כולל טיפול בפליטות חומרים אורגניים נדיפים (VOC) וריח. למעלה מ-20 שנה חברתנו מתפעלת ומתחזקת מאות מערכות לטיפול בפליטות חומרים אורגניים נדיפים וריח, ללקוחות רבים בארץ ובחו"ל. במהלך השנים האחרונות, חברתנו הינה ספק מוביל בישראל של פחם פעיל לטיפול בחומרים אורגניים וריח.

חברתנו מספקת פחם פעיל לתעשיות הבאות:

- תעשיות כימיה והפארמצבטיקה.
- תעשיות מזון.
- תעשיות דפוס וצבע.
- מכוני טיהור שפכים.
- תחנות מעבר פסולת.

אנו מייבאים פחם פעיל באיכות המירבית הנדרשת בזכות בקרת איכות רב-שלבית אותה פיתחנו לאורך השנים. הבקרה כוללת אפיון איכות הפחם על פי בדיקת ספציפיות של ספיחת מזהמים אורגניים וריח על פני הסופח. שיטות הבדיקה פותחו במיוחד במעבדה מוסמכת לפי תקן ISO 17025 על פי שיטות מיוחדות של מכון לחקר פחם, ארה"ב.

אנו מבצעים בדיקות פיקוח בקרה בכל שלבי תהליך אספקת פחם פעיל ללקוח בישראל: אצל יצרן הפחם (בדיקה איכות ראשונית), אצל יצרן/משווק לפני המשלוח (בדיקות מדגמיות רב נקודתיות), בדיקה אצלנו במחסן לפני אספקה ללקוח, בדיקות אצל לקוח במהלך השימוש.

חברתנו מייבאת ומשווקת פחם פעיל ליישומים רבים בתעשייה:

- פחם פעיל מדגם DK50 לטיפול בחומרים אורגניים נדיפים וריח.
- פחם פעיל מדגם DK60 וDK70 לטיפול בחומרים אורגניים במים ושפכי תעשייה.
- פחם פעיל עם אימפרגנציה לטיפול מיוחדים.

חברתנו מוסמכת לתקן ISO 9001:2015



נשמח לעמוד לרשותכם בכל שאלה,

מידע נוסף תוכלו למצוא באתר:

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א.ב.פ. הנדסת כימיה ואוורור בע"מ

Cylindrical activated Carbon DK50

Activated carbon is produced from materials which contain a high content of carbon, such as coal, wood and coconut shells. The carbon undergoes a steam or chemical activation process which expands the pore structure of the material and produces a large internal surface area. Internal surface areas of 800 to 1200m²/g can be produced, making activated carbon an efficient and effective adsorbent.

DK50 is very high quality grade of activated carbon that has an adsorptive capacity towards a very wide range of volatile organic gases and odors. This material is extremely useful when the exact nature of the contaminants has not been determined. In nearly all cases, these materials can be used with confidence to provide effective control of identified or unknown vapors. DK50 is pelletized material with relatively large particle size and is used in deep bed configuration to provide the very highest levels of performance in industrial applications.

Features:

- Exceptionally high hardness and crush strength
- Excellent performance (efficiency and capacity)
- Broad spectrum affinity towards most organic vapours and odours.
- Perfectly suited to multi – contaminant streams.



Typical Applications:

- Cleaning of process emission streams.
- Laboratory fume hood filters.
- Odour control.
- Industrial application.
- Controlling volatile organic compounds (VOCs), hydrocarbons and solvents.

Disposal:

At the end of its useful life, all carbon media should be disposed of responsible manner and in accordance whit all sites, local and statutory regulations relevant to the point of use.

SPECIFICATION	UNIT	VALUE
Base Material		Coal
Particle size	mm	3 dia
Iodine	mg/g	>950
Carbon Tetrachloride Absorption	%	>60
Moisture	%	<5
Hardness	%	>93
Bulk Density	g/cm ³	0.48
Surface Area	m ² /g	>1000
Ash Content	%	<15

Granular and powder Activated Carbon DK60 & DK70

Activated carbon is produced from materials which contain a high content of carbon, such as coal, wood and coconut shells. The carbon undergoes a steam or chemical activation process which expands the pore structure of the material and produces a large internal surface area. Internal surface areas of 800 to 1200m²/g can be produced, making activated carbon an efficient and effective adsorbent.

DK60 (granular) and DK70 (Powder) are very high quality grade of granular activated carbon that has excellent mechanical properties that provide strong resistance against friction, pressure and high temperature, while providing high absorption rate and long working life time. Those active carbons are mainly used for treatment and purification of domestic and industrial waters, by absorbing and removing a wide range of harmful contaminants that can be found in domestic or industrial waters. It can also be used to remove organic contamination from gases stream with good efficiency, although it is recommended to use specialize active carbon such as DK50 for this application.

Features:

- Excellent mechanical strength that provide resistance against harsh conditions.
- Excellent absorbance performance (efficiency and capacity)
- Broad spectrum affinity towards wide range of contaminants such as: foul smell, chlorine, oil, cyanogen, heavy metal, COD etc.
- Perfectly suited to multi – contaminant streams.



Typical Applications:

- Cleaning of domestic and industrial waters.
- WWTP water filters.
- Home water filters.
- Controlling volatile organic compounds (VOCs), hydrocarbons and solvents.

Disposal:

At the end of its useful life, all carbon media should be disposed of in a responsible manner and in accordance with all sites, local and statutory regulations relevant to the point of use.

SPECIFICATION	UNIT	DK60 VALUE	DK70 VALUE
Base Material		Coal	Coal
Particle size	mm	8x30 mesh	200x325 mesh
Iodine	mg/g	>950	>800
Benzene Absorption	%	>30	>20
Hardness	%	>95	-
PH	PH	7-9	7-9
Moisture	%	<5	<5
Surface Area	m ² /g	>1000	>800
Total pore cubage	cm ³ /g	0.8	0.8
Transitional pore cubage	cm ³ /g	0.3	0.3
Bulk Density	g/cm ³	0.48	0.5

Coconut shell Activated Carbon DK80

Activated carbon is produced from materials which contain a high content of carbon, such as coal, wood and coconut shells. The carbon undergoes a steam or chemical activation process which expands the pore structure of the material and produces a large internal surface area. Internal surface areas of 800 to 1200m²/g can be produced, making activated carbon an efficient and effective adsorbent.

DK80 in contrast to traditional coal active carbon is produced from coconuts shell, which are renewable and more environmental friendly source for the manufacturing of active carbon. Coconut shell active carbon retain and in some cases surpass the mechanical properties of traditional coal base active carbon. DK80 retain its excellent adsorption properties in treating contaminated gaseous streams and even sometimes surpassing the treatment efficiency of coal based active carbon.

Features:

- Excellent mechanical strength that provide resistance against harsh conditions.
- Excellent absorbance performance (efficiency and capacity)
- Broad spectrum affinity towards wide range of contaminants such as: foul smell, chlorine, oil, cyanogen, heavy metal, COD etc.
- Perfectly suited to multi – contaminant streams.



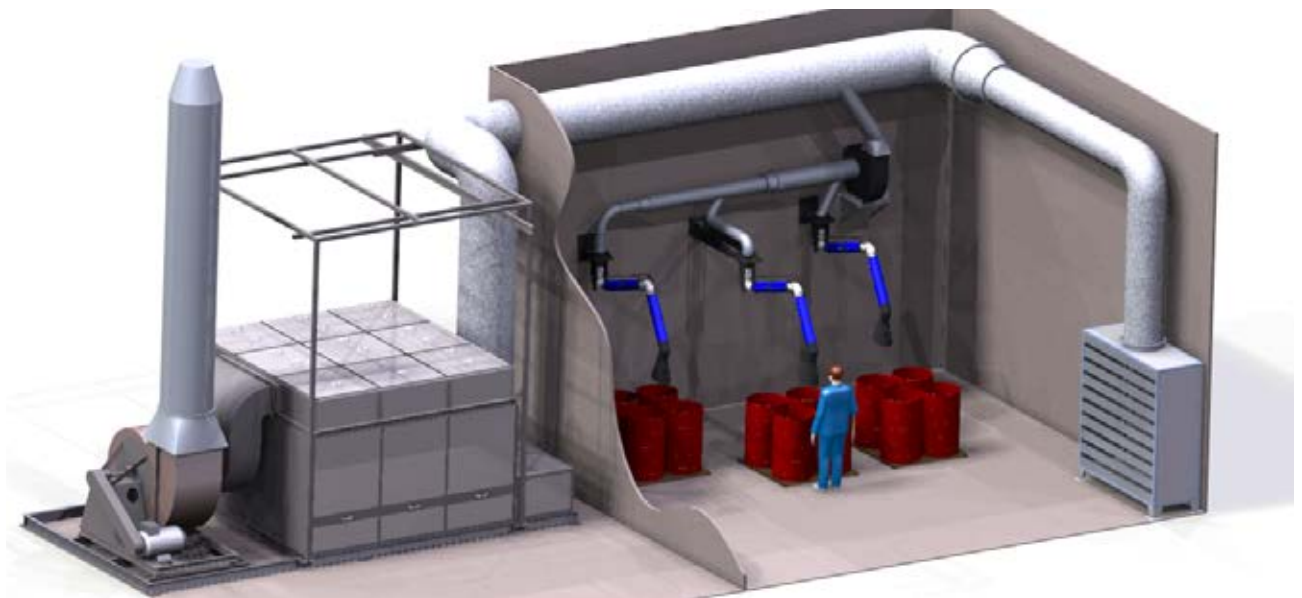
Typical Applications:

- Cleaning of domestic and industrial waters.
- Purification of drinking waters.
- Industrial applications
- Odor control.
- Controlling volatile organic compounds (VOCs), hydrocarbons and solvents.

Disposal:

At the end of its useful life, all carbon media should be disposed of in a responsible manner and in accordance with all sites, local and statutory regulations relevant to the point of use.

SPECIFICATION	UNIT	VALUE
Base Material		Coconut shell
Particle size	mm	3X100 mesh
Iodine	mg/g	>950
Carbon Tetrachloride Absorption	%	>60
Moisture	%	<5
Hardness	%	>95
Bulk Density	g/cm ³	0.45-0.55
Ash Content	%	<5





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