

ADSORBENTS DRYING & PURIFICATION

	 OIL REFINING	 PETROCHEMICALS	 GASES	 ALTERNATIVES & RENEWABLES	 WATER
AXSORB® - DRYING SERIES	✓	✓	✓	✓	
AXSORB® - PURIFICATION SERIES	✓	✓	✓	✓	
AXSORB® - SPECIALITY SERIES	✓	✓			
ACTIGUARD™ - WATER TREATMENT SERIES					✓

	Applications	Material	Shape
AXSORB® - DRYING SERIES			
AxSorb® A / AB	Air, Gas & Liquid drying	Activated Alumina	S
AxSorb® D / DB	Air, Gas & Liquid drying	Activated Alumina	S
AxSorb® 510	Special adsorbent for the multibed technology	Activated Alumina	S
AxSorb® 531	Gas & Liquid selective drying	Molecular Sieves	C
AxSorb® 533	Gas & Liquid selective drying	Molecular Sieves	S
AxSorb® 537	Cracked Gas & Olefins drying	Molecular Sieves	C
AxSorb® 541	Gas & Liquid drying	Molecular Sieves	C
AxSorb® 543	Gas & Liquid drying	Molecular Sieves	S
AXSORB® - PURIFICATION SERIES			
AxSorb® 900	Polar compounds removal from Gas & Liquids	Proprietary Hybrid	S
AxSorb® 902	Polar compounds removal from Gas & Liquids	Proprietary Hybrid	S
AxSorb® 911	CO ₂ , Sulfur, Nitrogen & Oxygenates compounds removal	Molecular Sieves	C
AxSorb® 913	CO ₂ , Sulfur, Nitrogen & Oxygenates compounds removal	Molecular Sieves	S
AxSorb® 920	TBC removal from monomers	Activated Alumina	S
AxSorb® 926	TBC removal from monomers	Promoted Alumina	S
AxSorb® 951	Hydrogen purification & NG/NGL sweetening	Molecular Sieves	C
AxSorb® 980	CO ₂ & Sulfur removal from Gas & Liquids	Promoted Alumina	S
AxSorb® 984	CO ₂ & Sulfur removal from Gas & Liquids	Promoted Alumina	S
AxSorb® 990	Water & CO ₂ removal for Air Separation Unit	Promoted Alumina	S
AXSORB® - SPECIALITY SERIES			
AxSorb® 311	Hydrogen peroxide & working solution purification	Promoted Alumina	S
AxSorb® 312	Hydrogen peroxide & working solution purification	Promoted Alumina	G
AxSorb® 330	Alcohol dehydration	Proprietary	S
AxSorb® 351	N-iso paraffins separation	Molecular Sieves	C
ACTIGUARD™ - WATER TREATMENT SERIES			
ActiGuard™ AA400G	Arsenic & Fluoride removal from water	Activated Alumina	G
ActiGuard™ AAF550	Arsenic & Metals removal from water	Proprietary Promoted Alumina	G
ActiGuard™ 320	Fluoride removal for bottled water plant	Proprietary Alumina	ML





DKSHジャパン株式会社
 生産資材事業部門 化学品ビジネスライン
 〒108-8360 東京都港区三田 3-4-19
 Phone 03-5441-4526, Fax 03-5441-4528
 〒542-0081 大阪市中央区南船場 4-3-11 豊田ビル
 Phone 06-6282-0174, Fax 06-6282-1718

Shape: **C** Cylindrical Extrudate • **FR** Fluted Ring • **G** Granule • **HC** Hollow Cylinder • **L** Liquid • **ML** Multilobe Extrudate • **PT** Penta Ring • **S** Sphere

ADSORBENTS SELECTIVE CONTAMINANTS REMOVAL (GUARD BEDS)

	 OIL REFINING	 PETROCHEMICALS	 GASES	 ALTERNATIVES & RENEWABLES	 WATER
AXTRAP™ - ARSINE SERIES	✓	✓	✓	✓	
AXTRAP™ - MERCURY SERIES	✓	✓	✓	✓	
AXTRAP™ - FLUORIDE SERIES	✓				
AXTRAP™ - CHLORIDE SERIES	✓	✓	✓	✓	
AXTRAP™ - SULFUR SERIES	✓	✓	✓	✓	
AXTRAP™ - SULFUR SCAVENGER SERIES	✓	✓	✓	✓	

	Applications	Material	Shape
AXTRAP™ - ARSINE SERIES			
AxTrap™ 191	Arsine, Phosphine & COS removal	PbO, Al ₂ O ₃	S
AxTrap™ 192	Arsine, Phosphine & Sulfur removal from Propane & Propylene	CuO, Al ₂ O ₃	S
AxTrap™ 194	Arsine, Phosphine & Sulfur removal from Propane & Propylene	CuO, Al ₂ O ₃	S
AXTRAP™ - MERCURY SERIES			
AxTrap™ 273	Mercury removal from Gas & Liquid streams	Proprietary	S
AxTrap™ 277	Mercury removal from Gas, Syngas & reduced atmosphere	Proprietary	S
AxTrap™ 283	Mercury removal from Gas & Liquid streams	Proprietary	S
AXTRAP™ - FLUORIDE SERIES			
AxTrap™ 601	HF & Fluoride removal	Activated Alumina	S
AxTrap™ 602	HF & Fluoride removal	Promoted Alumina	S
AxTrap™ 612	HF & Fluoride removal	Promoted Alumina	S
AXTRAP™ - CHLORIDE SERIES			
AxTrap™ 813	HCl and organic chloride removal	Proprietary	S
AxTrap™ 860	HCl removal from Hydrogen rich gas, LPG & Reformate	Promoted Alumina	S
AxTrap™ 867	HCl removal from Hydrogen rich gas, LPG & Reformate	Promoted Alumina	S
AXTRAP™ - SULFUR SERIES			
AxTrap™ 401	H ₂ S removal from Gas & Syngas	Proprietary ZnO	C
AxTrap™ 403	Sulfur removal from Liquid streams	Proprietary reduced Ni	C
AxTrap™ 405	Sulfur removal from Liquid streams	Proprietary reduced Ni	C
AxTrap™ 407	Sulfur removal from Natural Gas	Proprietary Mixed Metal Oxide	C
AXTRAP™ - SULFUR SCAVENGER SERIES			
AxTrap™ 4000	Removal of H ₂ S from Gas streams	Proprietary Mixed Metal Oxide	G
AxTrap™ 4001/4002	Removal of H ₂ S and light mercaptans from Gas streams	Proprietary Mixed Metal Oxide	G
AxTrap™ 4003	Removal of H ₂ S and light mercaptans from biogas	Proprietary Mixed Metal Oxide	G
AxTrap™ 4002 L/4003 L	Removal of H ₂ S, light mercaptans and other contaminants from liquid hydrocarbon streams and gases	Proprietary Mixed Metal Oxide	G
AxTrap™ 4011/4012	Removal of H ₂ S, mercaptans and low levels of heavy organic Sulfur from Gas streams	Proprietary Mixed Metal Oxide	G
AxTrap™ 4013 L	Removal of H ₂ S and mercaptans, from clear liquid Hydrocarbon streams such as LPG, NGL, Gasoline, Kerosene and Solvents	Proprietary Mixed Metal Oxide	G
AxTrap™ 4101/4102	Removal of larger amounts of H ₂ S from Gas streams	Proprietary Mixed Metal Oxide	G
AxTrap™ 4503	Removal of H ₂ S and other sulfur compounds from dry gas streams and liquid hydrocarbons	Proprietary Mixed Metal Oxide	G
AxTrap™ 4513	Removal of H ₂ S, and lower levels of mercaptans and some heavy organic Sulfur from Gas streams	Proprietary Mixed Metal Oxide	G
AxTrap™ 4523	Removal of total Sulfurs in dry gas streams	Proprietary Mixed Metal Oxide	G

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