

KEI ACCESSORIES

KEI sheet metal parts are designed for use with all pollution control equipment to create a complete system, ready for operation. The nozzles, Y-connectors, hose reducers, hose connectors, smooth flow Y-connectors, elbows and metal duct are constructed of galvanized sheet steel. KEI can also custom build any sheet metal part to fit individual needs.

SUCTION NOZZLES

Suction nozzles used at the end of hose provide more effective pick up of all pollutants. KEI Holding Arms or magnets provide exact positioning of the nozzle for use with dust collectors or fume exhausters. A variety of nozzle types are available to handle a wide range of applications.

Square nozzles are standard equipment provided with all Fume Exhaust Units and work well on lathes to catch wood scraps.

Side intake nozzle can be used on all grinders as a hood to catch metal dust.

Flanged nozzle (3" flange securely attached to a square nozzle) increases pick-up efficiency 50% by blocking the pull of cleaned air from around the nozzle to allow greater suction.

Cone nozzle is designed to produce the lowest possible entry loss while increasing pick up efficiency by 50%. It comes standard with all Portable Electrostatics, Portable Filtered Air Cleaners and Fume Exhaust Systems.

Y-CONNECTORS

Y-Connectors attach directly to equipment or the hose to provide source pick up from 2 machines. Select the Model with an inlet corresponding to the hose or machine size, and outlets in the desired pick-up size. KEI offers those sizes which provide the most efficient airflow.

Y-CONNECTOR SPECIFICATIONS

Model	Size In-Out	Model	Size In-Out	Model	Size In-Out
901	4-3-3	906	6-4-4	909	8-5-5
902	4-4-4	907	6-5-5	911	8-6-8
903	5-3-3	913	6-5-5	925	8-7-7
904	5-4-4	908	7-5-5	919	8-8-8
905	5-5-5	912	7-5-5	920	8-8-8
905a	6-3-3	916	9-4-4		



Y-CONNECTOR



SQUARE



SIDE INTAKE



ROUND



FLAT



FLANGED



CONE

NOZZLE SPECIFICATIONS

NOZZLE SIZE	NOZZLE TYPE					
	SQUARE	SIDE INTAKE	ROUND	FLAT	FLANGED	CONE
3"	921 4"x4"	932 3"x5"	953 2.8"x3.6"	970 7"x1"	985 10"x12"	997 5" DIA
4"	941 5"x5"	942 4"x8"	943 3.5"x5.0"	940 8"x1.5"	945 11"x13"	947 6" DIA
5"	961 6"x6"	962 5"x8"	963 4.5"x6.0"	966 10"x2"	965 12"x12"	967 7" DIA
6"	981 7"x7"	982 6"x8"	983 5.5"x6.0"	984 12"x2.5"	986 13"x13"	987 8" DIA
7"			NONE			996 9" DIA
8"	991 8"x8"		NONE		988 14"x14"	997 10" DIA
9"			NONE			998 11" DIA
10"			NONE			999 12" DIA
12"			NONE			998 14" DIA

REDUCER

Reducers attach directly to equipment to reduce or increase the opening size to the required hose or sheet metal dimension.

Model	Size	Model	Size
800	4-2	809	7-6
801	4-3	815	8-4
802	5-3	811	8-5
803	5-4	812	8-6
804	6-3	813	8-7
806	6-4	814	9-8
807	6-5	816	10-8
808	7-5		

REDUCER



METAL DUCT

HOSE CONNECTORS

Hose connectors are used to connect smaller sections of hose to obtain a desired length. Each connector includes 1 sleeve and 2 hose clamps. Additional clamps may be ordered.

Model	Size	Model	Size
821	3"	825	7"
822	4"	827	8"
823	5"	828	10"
824	6"		

CONNECTOR



HOSE CLAMPS

Hose clamps are used to secure the hose or duct bags so they will not become loose under pressure. KEI clamps are made of stainless steel and have a quick-release closure. All sizes in stock.

Model	Size	Model	Size
831	3"	837	8"
832	4"	838	10"
833	5"	839	12"
834	6"	836	14"

CLAMP



STRAIGHT METAL DUCT

Straight metal duct is available in diameters from 3" to 24" for ducted systems. The duct is fabricated from sheet metal, 26 gauge for small sizes; 24 gauge for 6" or larger.

Model	Size	Model	Size
861	3"	868	10"
862	4"	869	12"
863	5"	860	14"
864	6"	817	16"
866	7"	818	20"
867	8"	819	24"
865	9"		



SMOOTH FLOW T

GATES

KEI gates are used in-line to allow adjustment and control of airflow. They are manufactured of heavy cast aluminum and have metal slides.

Model	Size	Model	Size
840	2"	848	7"
841	3"	847	8"
842	4"	848	9"
843	5"	849	10"
844	6"		

GATE



ADJUSTABLE ELBOWS

Adjustable elbows are used in duct systems to turn corners and change directions. KEI elbows are bent 45 degrees for better air flow. Larger sizes available.

Model	Size	Model	Size	Model	Size
851	3"	856	7"	858	10"
852	4"	857	8"	859	12"
853	5"	855	9"	850	14"
854	6"				

ELBOW



SMOOTH FLOW T

Smooth flow T-connectors are used in ducted systems to change the duct diameter at a drop with the least resistance. The main line decreases in size while a branch comes out at a 45 angle to drop to a pick-up station.

Model	Size* A-B-C	Model	Size* A-B-C	Model	Size* A-B-C
881	4-3-3	888	7-4-3	897	8-7-6
870	4-4-4	889	7-5-3	898	8-8-8
882	5-4-3	891	7-5-4	899	10-8-4
883	6-4-4	890	7-5-5	876	10-8-6
871	5-5-5	895	7-6-4	877	12-10-4
872	6-4-3	874	7-6-5	878	12-10-6
884	6-4-4	892	8-6-4	879	12-10-8
886	6-5-3	875	8-6-6	880	14-12-4
887	6-5-4	893	8-7-3	113	14-12-6
885	6-5-5	894	8-7-4	114	14-12-8
873	6-6-6	896	8-7-5	115	14-12-10

* See drawing for identification of dimensions. Call for any special sizes not found in the chart.

TRI CONNECTORS

Tri connectors attach directly to equipment or hose to provide source capture from 3 machines. Select the model with inlets corresponding to hose or machine sizes, and outlets in the desired pick-up size.

Special sizes made to order.

Model	Size*
915	6-3-3-3
914	6-4-4-4

MAGNETS

KEI offers magnets in 3 sizes and 2 shapes for exact positioning of nozzles on machines in operation. The bar magnets have holes on both ends for fastening, and the round magnet has a hole in the center.

Model	Description
916	Rectangular 2 5/8" X 1"
919	Rectangular 3" X 1 1/2"
917	Circular 3 1/4" Dia.

DOLLY

KEI Fume Exhaust Units are made completely portable with the 23" x 23" KEI Dolly. The dolly is furnished with 3" industrial wheels and a 1" square tubing, easy grip handle.

Model	Description	Unit Use
922	Dolly-23X23	Fume Exhaust Drum Dust Collector

SPARK TRAPS

Both the in-line and built-in Spark Traps reduce the possibility of fire by knocking down sparks from the airstream before they can enter the Units.

Model	Description	Unit Use
248	In-Line	Cabinet Collector Drum Dust Collector Fume Exhausters
249	Built-In	Cabinet Collector Central System

DUST BAG HOLDERS

The Dust Bag Holder is a 1" square, 14 gauge steel tubing fastened to the Cabinet Dust Collector to hold the dust bag away from the machine in the proper position for better inflation. Models 241 and 242 are for use with Dust Bag 206.

Model	Description	Unit Use
241	Arm Mount	Cabinet Collector
242	Cabinet Mount	Cabinet Collector

ARM HOLDERS

The steel Arm Holder attaches to the Cabinet Dust Collector or Central System. When a KEI Arm is needed for exact positioning or easy nozzle relocation, the Arm bolts onto the cabinet. Order the Arms separately.

Model	Description	Unit Use
243	1 Arm Holder	Cabinet Collector
244	2 Arm Holder	Cabinet Collector
263	1 Arm Holder	Central System
264	2 Arm Holder	Central System

CORD HOLDER

The Cord Holder, which holds up to a 50 ft. cord, is a 1" square, 14 gauge steel tube fastened to the cabinet side of the Cabinet Dust Collector.

Model	Description	Unit Use
116	Cord Holder	Cabinet Collector

DRAWER Baffles

A baffle may be placed within the drawer of the Central System or Cabinet Dust Collector to increase the collection of fine dust as it circulates inside.

Model	Description	Unit Use
250	Drawer Baffle	Cabinet Collector
262	Drawer Baffle	Central System

WHEEL EXTENDER

The Wheel Extender is constructed of heavy duty 14 gauge, 1" square steel tubing. It extends the Cabinet Dust Collector base on all sides to greatly increase the Unit's stability when using a Holding Arm.

Model	Description	Unit Use
246	Base Extender	Cabinet Collector

LIGHTED CONE NOZZLE

The cone nozzle is the most effective source capture tool. It can now be fitted with an inner light and grill, wired with cord and switch on the nozzle side so that the work area is illuminated. The 6" nozzle is also fitted with a damper so that airflow may be controlled or shut off.

Model	Description	Unit Use
969	6" Lighted Nozzle	All Arms

MAGNETIC GAUGE

All internally filtered units can be fitted with a Magnetic Pressure Gauge to determine the amount of pressure drop across the filters. When the pressure gauge reaches a predetermined reading, the filters need to be cleaned or replaced.

Model	Description	Unit Use
326	Pressure Gauge	Central System Filtered Units

MOTORIZED BAG SHAKERS

KEI Motorized Bag Shakers are designed to automatically shake internal dust bags in KEI Internal Bag Cabinets and Central Dust Collectors. The shakers knock particulate from the bags, thus cleaning the bags. This maintains their filtering efficiency and minimizes downtime from manual cleaning.

WHEEL BASE

The KEI Wheel Base is a metal base with 5" swiveling ball bearing casters that attach to the Central System for maneuverability.

Model	Description	Unit Use
265	Base/5" Wheels	Central System

SOUND COVER

The sheet metal Sound Cover is lined with acoustical foam material to greatly reduce the DBA levels of Large Central Systems.

Model	Description	Unit Use
260	Sound Cover	Central System

SOUND DIFFUSERS

The perforated cylinder wall of the Sound Diffuser reduces the velocity of exhaust air so that noise levels are reduced by half.

Model	Description	Unit Use
290	4" Diffuser	Cabinet Collector Drum Dust Collector
293	6" Diffuser	Same As Above
294	6" Diffuser	Units with Oversize Dust Bags
295	4, 5, or 6" Intake Diffuser	Fume Exhaust Unit
296	4, 5, or 6" Exhaust Diffuser	Fume Exhaust Unit

Model	Description	Unit Use
255	Motorized Shaker	Internal Bag Collector
256	Motorized Shaker	
267	Motorized Shaker	Central Collection System
268	Motorized Shaker	