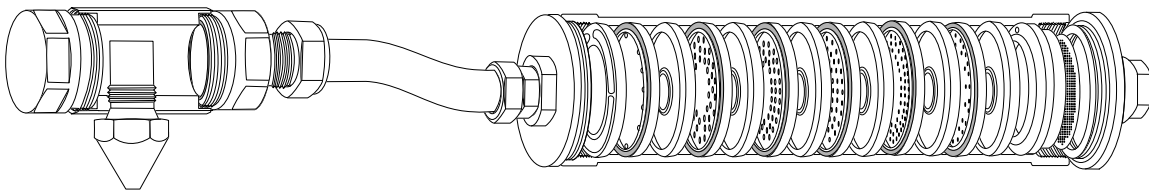


Cascade Impactor and Precutter *#CI-701-K Packing List*



Apex Instruments' CI-701 Cascade Impactor is an in-stack, multi-stage cascade impactor which can attach to standard EPA and ASME particulate sampling trains, specifically used for measuring the particle size distribution in stationary emissions. The Model CI-701 cascade impactor consists of seven impactor stages that can separate particle from 0.2 to 17 micron diameter (aerodynamic), solid or liquid, into eight size classifications which can be used later for weighing or chemical analysis. Lightweight disposable collection plate inserts of stainless steel foil allow improved weighing precision and reduce the need for extra sets of collection plates.

A Cyclone Precutter (PRA-K), used at the inlet of the impactor not only reduces the particle bounce and re-entrainment problems but also minimizes the chance of particle overloading at the first impaction stage. The precutter allows for right angle sampling and for the cascade impactor to be inserted through a standard port. The precutter kit includes 6 nozzles, from 1/8" to 1/2" diameter, and the connecting tube. The precutter can attach to most commercially available impactors.



Cutaway of Cascade Impactor with Precutter



Your Solution for Source Sampling Equipment

Apex Instruments, Inc.
 204 Technology Park Lane
 Fuquay-Varina, North Carolina 27526 USA
 tel: (919) 557-7300 / fax: (919) 557-7110
 email: info@apexinst.com
 web: www.apexinst.com

(800) 882-3214

<i>Cascade Impactor Kit (CI-701-K) Includes:</i>			
<i>Quantity</i>	<i>Qty Shipped</i>	<i>Part #</i>	<i>Description</i>
1		CI-CYLINDER	Cascade Impactor Cylinder
1		CI-CAPIN	Cascade Impactor Inlet Cap
1		CI-CP45	Impactor Collection Plate #1 (Primary)
6		CI-CP57/25	Impactor Collection Plate #2 (Stages 2-7)
1		CI-JS12/0960	Cascade Impactor Jet Stage 2
1		CI-JS90/0310	Cascade Impactor Jet Stage 3
1		CI-JS110/0200	Cascade Impactor Jet Stage 4
1		CI-JS110/0135	Cascade Impactor Jet Stage 5
1		CI-JS90/0102	Cascade Impactor Jet Stage 6
1		CI-JS40/0102	Cascade Impactor Jet Stage 7
1		CI-FC	Cascade Impactor Filter Collar
1		SFA-47SS	47mm Stainless Steel Filter Support Screen
1		CI-CAPOUT	Cascade Impactor Outlet Cap
3		CI-FP	Set of 7 Collection Plates
14		O-139V	Viton O-Ring for Cascade Impactor
4		O-024V	Viton O-Ring for Precutter, 28mm O.D.
1		GFDN	5.72cm Whatman 934AH Glass Filter (100 / box)
1		GF-45	45mm Whatman 934AH Glass Filter (100 / box)
1		GF-47	47mm Whatman 934AH Glass Filter (100 / box)
1		10MSC8N-S	Stainless Steel Connector (5/8TU - 1/2MNPT)
1		PRA-BODY	Precutter Body
1		PRA-CAP	Precutter Cap
1		PRA-CAPOUT	Precutter Outlet Cap with Union
1		PRA-N4	1/8" Size 4 Precutter Nozzle
1		PRA-N6	3/16" Size 6 Precutter Nozzle
1		PRA-N8	1/4" Size 8 Precutter Nozzle
1		PRA-N10	5/16" Size 10 Precutter Nozzle
1		PRA-N12	3/8" Size 12 Precutter Nozzle
1		PRA-N16	1/2" Size 16 Precutter Nozzle
1		PRA-OT10	Precutter Outlet Tube
1		PM2.5-10CASE	Case for CI-700 Kit (including foam inserts)
2		O-038V	O-Ring, Viton, for Outlet Cap
2		O-229V	O-Ring, Viton, for Inlet Cap
1		N-10	Nut, 5/8 Tube, SS, 5/8 inch
1		10FB-S	Ferrule, Back 5/8 SS
1		10FF-S	Ferrule, Front, 5/8 SS
1		AZNI-4	Anti-Seize