



DESIGN DATA	
APPLICATION:	(to be supplied by customer)
KST VALUE:	(to be supplied by customer) BAR-M/SEC.
FILTER MEDIA AREA:	700 SQ.FT.
AIR FLOW:	350-3150 CFM
AIR to CLOTH RATIO:	0.5:1 - 4.5:1
COMPRESSED AIR REQ'D:	80 ± 5 PSIG
(PULSE VALVE OPERATION)	100 PSIG MAX
SYSTEM OPERATING PRESSURE	
W/ EXPLOSION VENT:	-3 to 0 PSIG
W/O EXPLOSION VENT:	-3 to 1 PSIG
VESSEL STRENGTH:	4 PSIG
SUPPORT STRUCTURE DESIGN RATING:	Seismic Zone 3 - 100MPH Wind Load.
WEIGHT (COLLECTOR & FILTERS):	~1650 LB
WEIGHT (HOPPER & STRUCTURE):	~560 LB
WEIGHT (TOTAL):	~2210 LB
OUTLET LOCATION OPTIONS:	P1, P2, P3, P4, P5
SPRINKLER LOCATION OPTIONS:	S1, S2, S3

DWYER DCT-1000 SERIES
 DUST COLLECTOR 6 CHANNEL TIMER CONTROLLER
 85 TO 270VAC, 50 OR 60Hz 5 WATTS REQUIRED IN NEMA 4X
 WEATHERPROOF ENCLOSURE
 (TO BE REMOTE MOUNTED BY INSTALLER)

**APPROVAL DRAWING ONLY
 NOT FOR PRODUCTION**

APPROVED: _____ DATE: _____

APPROVED AS NOTED: _____ DATE: _____

THIS IS A TIME-SENSITIVE DOCUMENT. ENGINEERING & PRODUCTION CAN NOT BE SCHEDULED UNTIL A SIGNED APPROVAL DRAWING IS RETURNED. DELAYS IN THE APPROVAL PROCESS MAY AFFECT THE QUOTED DELIVERY DATE. THIS DRAWING SUPERSEDES ANY PREVIOUS REVISIONS.

THIS DRAWING IS A CONFIDENTIAL DISCLOSURE AND IS LOANED TO RECALL AT ANY TIME WITH THE UNDERSTANDING THAT IT WILL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF IMPERIAL SYSTEMS.			
MATERIAL SPEC: CARBON STEEL	DRAWN BY: SAS	DATE: 17AUG17	WEIGHT (lbs): SEE TABLE
PAINT COLOR: SLATE GRAY	300 IMPERIAL DRIVE JACKSON CENTER, PA 16133 T: 724-662-2801 F: 724-662-2803 www.isystemsweb.com		
FINISH: ALL SHARP EDGES TO BE ROUNDED TO A SMOOTH RADIUS. ALL BURRS, WELD SPATTER AND ALL OTHER SHARP PROJECTION TO BE GROUND SMOOTH.			
UNLESS OTHERWISE SPECIFIED: 1. NO BURRS OR SHARP EDGES 2. MACHINED SURFACES 125 Ra, DRILLED HOLES 250 Ra	CMAXX, CM002 CARTRIDGE COLLECTOR GENERAL SALES DRAWING		
TOLERANCES UNLESS OTHERWISE INDICATED .0 ± .020 FRACTIONS: ± 1/8 .00 ± .010 ANGULAR: ± 1° .000 ± .005	SCALE: 1:18	DO NOT SCALE DRAWING	SHEET 1 OF 1 DRW. NO. C9002.1000