

# CENTRI™ Precleaners are Ideal for.....

CONSTRUCTION	LOGGING
End Loaders	Skidders
Scrapers	Grapplers
Excavators	Wood chippers
Compaction equipment	Stump cutters
Dump trucks	Tub Grinders
Crawlers	MINING
Dozers	Drilling equipment
Graders	Scrapers
Trenching equipment	Loaders
Concrete Pumps	Dozers
ROAD MAINTENANCE	Crushing equipment
Pavers	Screening machines
Concrete cutters	AGRICULTURAL
Planers	Tractors
Scarification equipment	Combines
Pavement breakers	Mower conditioners
Sweepers	Hay choppers
LANDFILL	Pneumatic conveying equipment
Compactors	Chemical applicators
Loaders	OTHER
Scrapers	Airport maintenance
ON-HIGHWAY	Drainage plows
COMPRESSORS	Railroad maintenance
INDUSTRIAL FORKLIFTS	Rental equipment
SNOW REMOVAL EQUIPMENT	Snow blowers
LAWN & TURF EQUIPMENT	Pneumatic blowers

For all engines, the C.F.M. can be determined by using the formula below:

### 2 CYCLE ENGINES

$$\text{C.F.M.} = \frac{\text{C.I.D.} \times \text{R.P.M.} \times \text{Vol. Eff.}}{1728}$$

#### VOLUMETRIC EFFICIENCY:

Diesel Blower-Scavenged.....	=1.40
Turbocharged .....	=1.90
Turbocharged - Innercooled ..	=2.10

Gasoline up to 2500 r.p.m. ....	= .85
2500 to 3000 r.p.m. ....	= .80
3000 to 4000 r.p.m. ....	= .75

C.I.D.-Cubic Inch Displacement R.P.M.-Revolutions Per Minute Vol.Eff.-Volume Efficiency  
 To convert Metric Displacements to C.I.D. for use in the formulas, use the following conversion factors:  
 Displacement in Cubic Centimeters (cm<sup>3</sup>) x 0.06102 = C.I.D.  
 Displacement in Liters x 61.02 = C.I.D.

### 4 CYCLE ENGINES

$$\text{C.F.M.} = \frac{\text{C.I.D.} \times \text{R.P.M.} \times \text{Vol. Eff.}}{3456}$$

#### VOLUMETRIC EFFICIENCY:

Diesel Naturally Aspirated.....	= .85
Turbocharged.....	= 1.60
Turbocharged - Aftercooled ..	= 1.85
Turbo Innercooled.....	= 1.95

Gasoline up to 2500 r.p.m. ....	= .80
2500 to 3000 r.p.m. ....	= .75
3000 to 4000 r.p.m. ....	= .70

NOTE: Engines equipped with twin air intake pipes, divide the engine C.F.M. by two and apply the proper CENTRI™ Precleaner to each of the pipes.  
 (Formerly Best-Ex, Inc.)

CENTRI

APPLICATIONS

FORMULA



# CENTRI™ Air Precleaners by DIVERSAFAB

- Extends Air Filter Life up to 12X !
- Increases Engine Life and Performance
- Compatible with ALL air filter systems
- High Efficiency, Low Restriction, Maintenance Free
- Lifetime Warranty!

ISO 9001:2000 Registered



### INSTALL CENTRI™ ON:

DOZERS- WHEEL LOADERS- EXCAVATORS- SKID STEERS-CRAWLERS- SCRAPERS  
 LOG SKIDDERS- CHIPPERS-TUB GRINDERS-GRADERS  
 SNOW REMOVAL EQUIPMENT- TRACTORS,COMBINES AND MUCH MORE...

VIKING POWER PRODUCTS CO.

PO Box 127

Lewisville, PA 19351

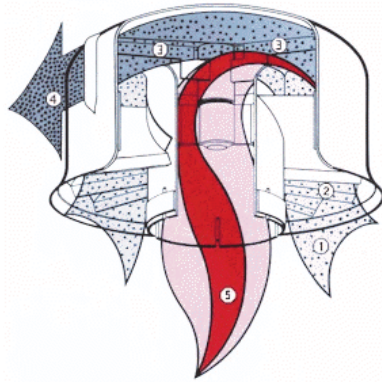
Phone: 877-255-8860 \* Fax: 877-770-7295

Sales@VikingPowerProducts.Com

# PRECLEANER

## How it Works

1. Dirty air enters the CENTRI™ which is clamped onto your equipment's air intake.
2. Specially designed vanes, curved and angled to precisely direct air flow, move the dirty air toward the stainless steel impeller.
3. The dynamically balanced, one piece spinning impeller (the only moving part) creates a tornado inside the housing.
4. The centrifugal force of the tornado expels the heavier than air dirt particles, chaff, dust, snow, rain, etc., out the discharge louver.
5. Cleaned air enters the engine intake pipe, and the filter element has only the very light particles to remove.

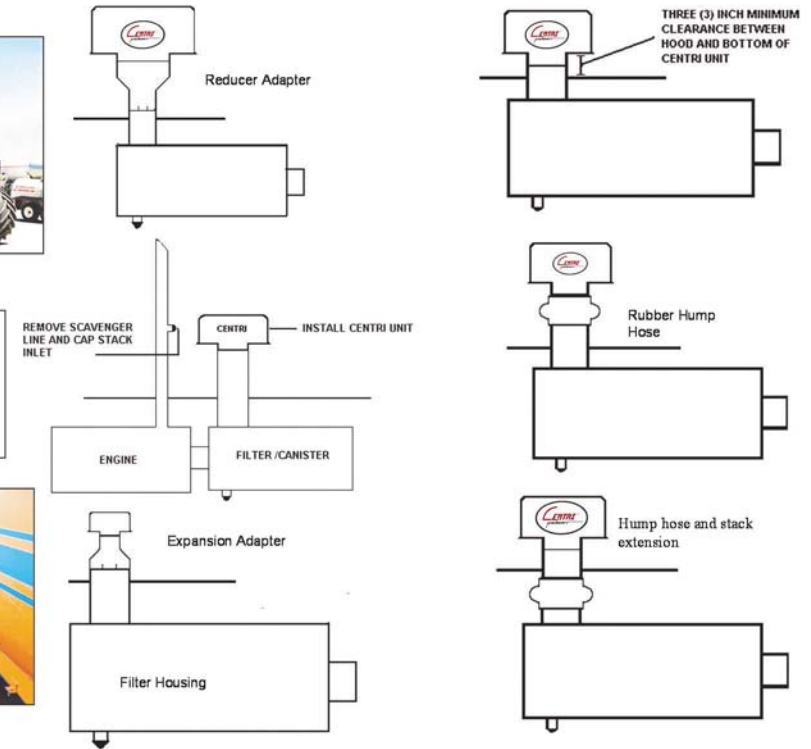


# INSTALLATION

## CENTRI™ BASIC INSTALLATION GUIDE



**Please Note:**  
Rubber Hump Hose should be used on all CENTRI units installed on Tracked Equipment  
Minimum clearance of 3" from bottom of CENTRI unit to Equipment hood required for proper operation



- Eight (8) different CENTRI™ models to cover your clean air requirements from 50 to 1600 CFM
- Heavy duty, non-rusting aluminum and stainless steel construction, yet lightweight, requiring no additional clamps or supports.
  - Self-cleaning, maintenance free design & a LIFETIME WARRANTY
    - Curved and angled vanes to direct the air flow to maximize cleaning efficiency.
- Stamped one-piece stainless steel impeller is precisely balanced (Dynamically), eliminating vibration, noise, and premature bearing failure.
- Easy installation features allow for mounting the CENTRI™ Precleaner in any position

# ADAPTERS

## INSTALLATION ACCESSORIES

### STRAIGHT STACK EXTENSION WITH CLAMP

SIZE	PART NO.	LENGTH
4	24-40012	12
4	24-40018	18
4	24-40024	24
5	24-50012	12
5	24-50018	18
5	24-50024	24
6	24-60012	12
6	24-60018	18
6	24-60024	24
7	24-70012	12
7	24-70018	18
8	24-80012	12
8	24-80018	18

### REDUCER ADAPTORS WITH CLAMP

SIZE	PART NO.	LENGTH
2 1/2-2	37-2520	6
4-3	37-4030	6 1/2
5-4	37-5040	8
6-5	37-6050	8
7-6	37-7060	8

### PRESCREENS

CENTRI™ INTAKE

PART NO.	MODEL	O.D.	HEIGHT
45-3030	EX-30	3	6
45-4030	EX-40	3	6
45-4040	EX-40	4	6
45-4050	EX-40	5	6
45-5040	EX-50	5	6
45-5050	EX-50	5	8
45-5060	EX-50	6	8
45-6050	EX-60	5	8
45-6060	EX-60	6	8
45-6070	EX-60	7	8
45-7060	EX-70	6	8
45-7070	EX-70	7	8
45-7080	EX-70	8	8
45-8080	EX-80	8	8
45-8070	EX-80	8	8

### LOW PROFILE

CENTRI™ INTAKE

PART NO.	MODEL	O.D.	HEIGHT
46-4040	EX-40	4	2 1/2
46-5050	EX-50	5	3
46-6060	EX-60	6	3
46-7070	EX-70	7	3
46-8070	EX-80	7	3

### EXPANSION ADAPTORS WITH CLAMP

SIZE	PART NO.	LENGTH
2-2 1/2	36-2025	6
2 1/2-3	36-2530	6
4-4 1/2	36-4045	7
4-5	36-4050	7
5-5 1/2	36-5055	7
5-6	36-5060	8
5-6 1/2	36-5065	5
5-5/8	36-5066	5
5-7	36-5070	5
5-9	36-5090	7
6-7	36-6070	8
6-8	36-6080	5
6-9	36-6090	7
7-9	36-7090	7
7-11	36-7011	7
7-13	36-7013	7
8-9	36-8090	7
8-11	36-8011	7
8-13	36-8013	7

### RUBBER HUMP HOSES WITH CLAMPS

SIZE	PART NO.	LENGTH
4	94-400	5.5
5	94-500	6
6	94-600	7
7	94-700	7
8	94-800	7

### RUBBER HUMP HOSE REDUCER WITH CLAMPS

SIZE	PART NO.	LENGTH
4-3	95-4030	5 1/4
5-4	95-5040	5 1/2
5-5 1/2	95-5055	6
6-5	95-6050	6
6-5 1/2	95-6055	6
7-6	95-7060	6
8-6	95-8060	6
8-7	95-8070	5
10-8	95-10080	6

### RUBBER 90° ELBOWS WITH CLAMPS

SIZE	PART NO.	LENGTH
4	92-400	5 1/2
5	92-500	6
6	92-600	7
7	92-700	7 1/2

### RUBBER 45° ELBOWS WITH CLAMPS

SIZE	PART NO.	LENGTH
4	93-400	3 1/4
5	93-500	3 1/2
6	93-600	4
7	93-700	4 1/2

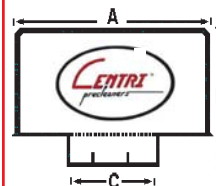
### STERLING ACTERRA ADAPTER BLOCKOUT PLATE

PART NO.	O.D.
17-575	5
17-576	6

### STERLING/FORD LOUISVILLE UNIVERSAL ADAPTOR KIT

PART NO.	O.D.
17-974	4
17-975	5
17-976	6
17-977	7

## SPECIFICATIONS For CENTRI™ PRECLEANERS DIMENSIONS--WEIGHT--C.F.M. RANGES



MODEL NO.	A inches	B inches	C inches	Approx. Weight (lbs.)	Recommended C.F.M. Range
EX-20	5 1/4	3 3/8	2	1	50 to 100
EX-25	6 1/2	4 1/4	2 1/2	1 3/4	100 to 200
EX-30	6 1/2	5	3	2 3/4	150 to 275
EX-40	8 7/8	5 7/8	4	3 3/4	200 to 400
EX-50	11 1/4	7 1/2	5	6 1/2	350 to 700
EX-60	12 3/4	7 3/4	6	7 1/4	500 to 950
EX-70	14 3/4	8 1/2	7	9 1/2	750 to 1350
EX-80	14 3/4	8 1/2	8	9 1/2	950 to 1600

Always size precleaner to Engines highest intake cfm rating, not inlet size.

# GZINHS