

CENTRI™ precleaners

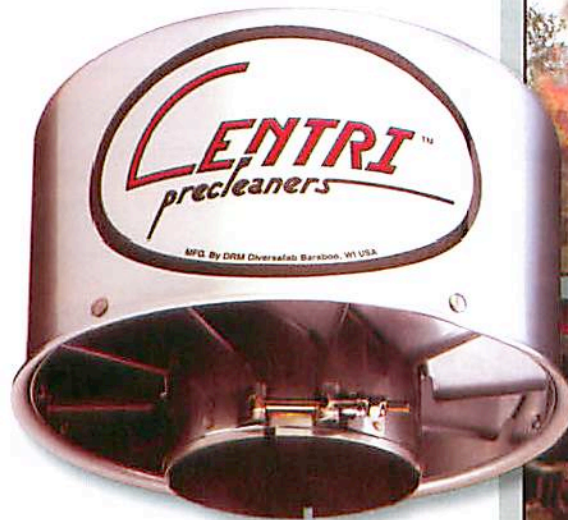
MFG. By DRM Diversafab Baraboo, WI USA

EXPERTLY ENGINEERED FOR
HIGH HEAT
APPLICATIONS

Protect the safety of your equipment operators and equipment with **CENTRI™ HIGH HEAT (HH) PRECLEANERS & PRESCREENS.**

CENTRI™ HH PRECLEANER features:

- Heat Resistant Stainless Steel and Aluminum Construction - No plastic to melt and warp
- Self Contained for Easy Installation at Any Angle
- Operating Temperature up to 350°F / 177°C
- Shielded Impeller Bearings for Dependable Operation
- High Efficiency - Removes up to 90%+ of Contaminants
 - Low Air Restriction and Reduced Operating Costs
 - Increased Engine Life and Performance
 - Stainless Steel Clamp Included
 - **Exclusive Five Year Performance Warranty**



CENTRI™ HH PRESCREEN features:

- Square Mesh Stainless Steel .036" (0.0009144m) for Superior Ember Control - Exceeds NFPA Standard 12.2.4.4
 - High Temperature Silicon Coated Fiberglass and Kevlar® Thread
 - Proven Attaching Method for Confident Ember Control
 - Operating Temperature up to 1832°F / 1000°C
 - Durable Steel Rings
 - Low Profile Lengths also Available
 - Custom Designs Available (see reverse)

**Comprehensive inventory
of installation adaptors**



HH Prescreen ▲

▲ Low Profile HH Prescreen



ISO 9001 Registered
Proudly Made in the U.S.A.

Note: Patent Pending on
CENTRI™ High Heat Products



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CENTRI™ HH PRECLEANERS

Model	Width		Height		O.D. (Pipe)		Weight		Range	
	inches	mm	inches	mm	inches	mm	lbs.	kg	C.F.M.	m3/Min.
HHEX-20	5 1/4	133	3 3/8	86	2	51	1	455g	50 - 100	1,4 - 2,8
HHEX-25	6 1/2	165	4 1/4	108	2 1/2	64	1 3/4	795g	100 - 200	2,8 - 5,6
HHEX-30	6 1/2	165	5	127	3	76	2 3/4	1,247g	150 - 275	4,2 - 7,8
HHEX-40	8 7/8	225	5 7/8	149	4	102	3 3/4	1,7kg	200 - 400	5,6 - 11,3
HHEX-50	11 1/4	286	7 1/2	190	5	127	6 1/2	3kg	350 - 700	10 - 20
HHEX-60	12 3/4	324	7 3/4	197	6	152	7 1/4	3,3kg	500 - 950	14 - 27
HHEX-70	14 3/4	375	8 1/2	216	7	178	9 1/2	4,3kg	750 - 1350	21 - 38
HHEX-80	14 3/4	375	8 1/2	216	8	203	9 1/2	4,3kg	950 - 1600	26,6 - 44,8

Cubic Feet Per Minute (C.F.M.) of Air Formula: The C.F.M. for all engines can be determined by using the formula given below. However, please note that for engines equipped with twin air intake pipes, the engine C.F.M. should be divided by two, then the proper CENTRI™ Precleaner should be applied to each pipe.

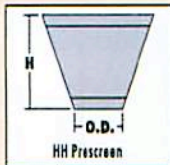
FOUR-CYCLE Engine:		C.F.M. = $\frac{C.I.D. \times R.P.M. \times Vol. Eff.}{3456}$		
VOLUMETRIC EFFICIENCY:	Diesel Engines: Normally Aspirated.....	= .85	Gasoline Engines: Up to 2500 R.P.M.....	= .80
	Turbocharged.....	= 1.60	2500 to 3000 R.P.M.....	= .75
	Turbocharged-Aftercooled.....	= 1.85	3000 to 4000 R.P.M.....	= .70
	Turbocharged-Intercooled.....	= 1.95		
TWO-CYCLE Engine:		Contact DRM Diversafab		

(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 (cm³) x 0.06102 = C.I.D., Displacement in Liters x 61.02 = C.I.D.

Note: Patent Pending on CENTRI™ High Heat Products

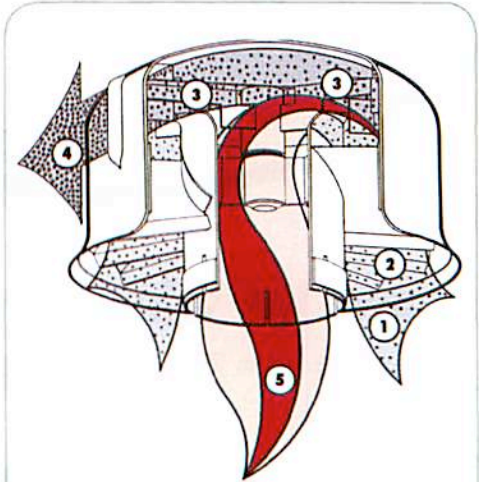
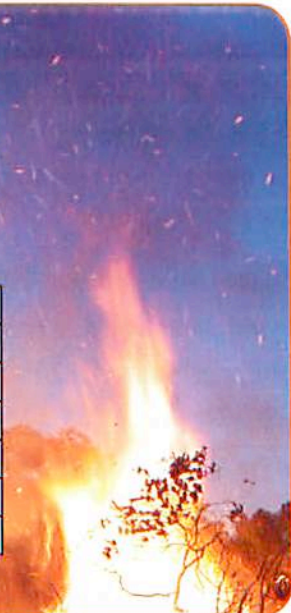
CENTRI™ HH PREScreens

CENTRI™ High Heat Prescreens are custom designed to securely fit the CENTRI™ HH Precleaner and the air intake pipe. The prescreen restricts embers and debris larger than .036" (0.0009144m). For additional CENTRI™ High Heat Prescreen models please visit the CENTRI™ website: www.centriprecleaner.com, click on the Accessories Tab for the most current model listing. To discuss your specific high heat prescreen needs please contact DRM Diversafab.



HH Prescreen Model	HH Precleaner Model	O.D. (Pipe)		Height	
		inches	mm	inches	mm
48-5040	HHEX-50	4" - 4 1/2"	102-108	7"	178
48-5040S	HHEX-50	4"	102	4"	102
48-5050	HHEX-50	5"	127	9"	229
48-5050S	HHEX-50	5"	127	6"	152
48-5060S	HHEX-50	6"	152	6"	152

S = Low Profile HH Prescreen



How CENTRI™ High Heat Precleaners work:

1. Dirty air enters the CENTRI™ High Heat Precleaner installed on the engine's air intake.
2. Curved and angled vanes direct the flow of dirty air toward the stainless steel impeller.
3. The impeller creates centrifugal force inside the housing.
4. The centrifugal force expels heavier-than-air dirt particles (chaff, dust, snow, rain, ash, embers, etc.) out the discharge louver.
5. The precleaned air enters the engine intake pipe leaving only the very light particles for the filter element to remove.
6. For ember control with the CENTRI™ High Heat Precleaner, install a CENTRI™ High Heat Prescreen.

Note: Heat Resistant Stainless Steel and Aluminum Construction - No plastic to melt and warp.

The results:

- Increased operator safety in ember environments (CENTRI™ HH Prescreen installed)
- Cleaner air for your equipment
- Increased air filter life
- Increased engine life and performance high heat applications
- Reduced operating and maintenance costs



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