

TURBO II (Powder-coated Steel)



P/N	ULTRA CLEAN TURBO II PRECLEANER	CFM
UC-MD24	MODEL 24 - 3" TURBO II	100 - 250
UC-MD24-4	MODEL 24 - 4" TURBO II	100 - 250
UC-MD35-4.5	MODEL 35 - 4 ½" TURBO II	250 - 350
UC-MD46-4.5	MODEL 46 - 4 ½" TURBO II	300 - 700
UC-MD46-5	MODEL 46 - 5" TURBO II	300 - 700
UC-MD46-6	MODEL 46 - 6" TURBO II	300 - 700
UC-MD46-7	MODEL 46 - 7" TURBO II	300 - 700
UC-MD68-5	MODEL 68 - 5" TURBO II	700 - 1100
UC-MD68-6	MODEL 68 - 6" TURBO II	700 - 1100
UC-MD68-7	MODEL 68 - 7" TURBO II	700 - 1100
UC-MD68-8	MODEL 68 - 8" TURBO II	700 - 1100

Note:

- Ultra Clean Turbo and Power Ram Precleaners are selected to match engine air flow requirements. Do not select by intake size alone.
- Units do not include adaptors. Adaptors are available for in-between sizes and vibration reduction.
- Bullnose models available for horizontal mounting.

TURBO III

(Polymer Construction)



P/N	ULTRA CLEAN TURBO III PRECLEANER	CFM
21-1320000	MODEL 15 - 2" TURBO III	15 - 85
21-1320001	MODEL 15 - 2" TURBO III BULLNOSE	15 - 85
21-1330000	MODEL 50 - 3" TURBO III	50 - 250
21-1330001	MODEL 50 - 4" TURBO III	50 - 250
21-1345000	MODEL 200 - 4 ½" TURBO III	200 - 500

POWER RAM

(Powder-coated Steel)



P/N	POWER RAM PRECLEANER	CFM
21-1080002	POWER RAM 6" PRECLEANER	400 - 1500
21-1080003	POWER RAM 7" PRECLEANER	400 - 1500
21-1080004	POWER RAM 8" PRECLEANER	400 - 1500

FORMULA FOR DETERMINING CFM AND MODEL

2-CYCLE ENGINES

$$\text{C.F.M.} = \text{R.P.M.} \times \text{C.I.D.} \times \text{VOL. EFF.} \div 1728$$

VOLUMETRIC EFFICIENCY

Diesel Engines

Blower-Scavenged = 1.40

Turbo Charged = 1.90

Turbo Charged & Inner Cooled = 2.10

Gasoline Engines

up to 2500 rpm = .85

2500 to 3000 rpm = .80

3000 to 4000 rpm = .75

4-CYCLE ENGINES

$$\text{C.F.M.} = \text{R.P.M.} \times \text{C.I.D.} \times \text{VOL. EFF.} \div 3456$$

VOLUMETRIC EFFICIENCY

Diesel Engines

Normally Aspirated = .85

Super Charged = 1.40

Turbo Charged = 1.60

Turbo Charged & After Cooled = 1.85

Gasoline Engines

up to 2500 rpm = .80

2500 to 3000 rpm = .75

3000 to 4000 rpm = .70

Knowing intake size is a must when specifying Ultra Clean Turbo Precleaners!

C.F.M. = Cubic Feet per Minute

R.P.M. = Revolutions per Minute

C.I.D. = Cubic Inch Displacement

VOL. EFF. = Volumetric Efficiency

DO NOT SELECT BY INTAKE SIZE ALONE

Ultra Clean Turbo Precleaners are selected to match engine air flow requirements.