

# Power Vibe Cleaner 288-B

## LOW FOAM VIBRATORY METAL CLEANER

**POWER VIBE CLEANER #288-B** is a "workhorse" surface cleaner for steel, plastic and brass, copper metals in vibratory & tumbling finishing operations. Extremely low use cost.

#288-B is a concentrated liquid, low-moderate foaming, and inhibited product which readily penetrates soils and removes them. Excellent rust protection, provides up to 60 days of storage protection. Fast cutting. Provides clean media. High dilution rates.

#288-B brightens steel surfaces, provides rust and stain protection, and is non-corrosive. Can also be used as a soak tank cleaner for difficult soils. Free of caustics and non-phosphated.

## Features & Benefits

- Biodegradable, Non-phosphated, No Strong Odors. Easily Disposed Of In Waste Operations.
- Highly Concentrated for Low Use Levels.
- Low Use Cost, Economical. Use For: Vibe, Tumbling, Or Soaking.
- Provides Extended Rust Protection to Steel During Processing.
- Can Easily Be Automatically Metered or Fed Using Pump Or Injectors.

## Typical Processing

Concentration: 2-10% Typically

Rust Protection: 5-10% For Best Performance

\*parts Must Be Dry Prior To Packaging To Set The Rp Film

Time: As Required To Do Job. Typically 1-30 Minutes In Vibe Or tumbling Operations.

Temperature: 70-160 Deg F. Or As Required.

## Specifications

pH	11.9
Prod._Type	Liquid
Spc.Grav	1.065
LBS./GAL	8.88
FOAM 0=low 9=high	4
Shelf life years:	10 Years
Freeze information	N/A



## Product Bulletin

Product Name: Power Vibe Cleaner 288-B  
Product Code: 2104006  
Revision Date: May 30, 2025

## Packaging

Container Type	Plastic
Net Units	488
Tare Wt.	25 LB.
Gross Wt.	510
Dot_Name	Not Regulated by D. O. T.
DOT Hazzard	Not Regulated
Tariff ID	n/a

## Use parameters

Concentration Range	.5-10% By Volume~
Range	75-150 Deg. F.~
Time Range	As Required
Agitation	Usually Used.

## Other information

It is important that the **OSHA DATA, "Material Safety Data Sheet"** be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.

## Waste Disposal

Adjust PH as needed. Remove Fats Oils and Grease

## Holding Tank Materials of Construction

Steel, Stainless or Poly.

## Testing, Operating & Trouble Shooting Data

### Lab Standard Titration (% Concentration)

1. Take A 25 MI Sample Of Solution
2. Add 6 - 8 Drops Of Total Alkalinity Indicator
3. Titrate With 0.1n Acid Until The Color Changes From Bluish Green To Pinkish Red
4. The Number Of MIs Required For Color Change = % By Volume



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### Field Dropper Titration

1. Take A 10 MI Sample Of Solution
2. Add 5 Drops Of Total Alkalinity Indicator (bromocresol Green-methyl Red, Or Bromocresol Purple)
3. Add Drop By Drop Of 1.0n Acid (counting The Drops)
4. The Number Of Drops Required = % By Volume  
Ex) 5 Drops = 5%

For Lower Concentrations, Use A 20 MI Sample and Divide Results By 2 = % By Volume.

Refractive Index:

\* Note: Refractance Is Only Effective for Gauging % Concentration in A New Bath Make-up.

10% = 1.2

5% = 0.60

4% = 0.48

3% = 0.36

2% = 0.24

1% = 0.12

### Bath Control Refractance/contaminants Ratio: (target <2.0)

1. Multiply The % Concentration By A Factor Of .12 (% Concentration From Titration Above)
2. Record Results As R1= Target Refractance
3. Take An Actual Refractance Reading Of The Bath. Record The Number As R2 .  
A Refractance R2 Number Over The R1 Target Refractance Number = Level Of Contaminants.
4. Formula:  $\frac{R2}{R1}$  = Refractance/contaminant Ratio: Target < 2

Example: A 10% Solution Of 288 B

Target Refract (r1) = 1.2 (10 X .12 Factor)

Refractance Of Bath (r2) = 2.0

R2 Divided By R1 = (2.0 / 1.2 = 1.67 Ref/cont. Ratio

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## Our People. Your Problem Solvers.

For more information on this process,  
please call us at 203.756.5521 or email: [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

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