

CIMCOOL® CIMPULSE™ Metalworking Fluid Application Pocket Guide

Use this guide to:

- Select a CIMPULSE Metalworking Fluid for your application.
- Follow the CIMCOOL Metalworking Fluid trial procedure.

We have selected the following CIMPULSE Metalworking Fluids to meet your customer's Machining and/or Grinding application requirements. These products are:

PRODUCT	APPLICATION GUIDE
CIMPULSE™ 33MP Non-Oil Fluid	Light to Heavy-Duty All metals
CIMPULSE™ 45MP Oil Containing Fluid	Light to Moderate-Duty All metals
CIMPULSE™ 49MP Oil Containing Fluid	Moderate to Heavy-Duty All metals (except Titanium, Hastelloy, etc.)
CIMPULSE™ 51MP Oil Containing Fluid	Light to Heavy-Duty All metals (except Cast AL)

Use the Machining and Grinding Application Guide Charts (inside) to specify a CIMPULSE Metalworking Fluid for your application.

CIMPULSE™ FLUIDS FOR ALL SHOPS, ALL MARKETS

How to Conduct a Successful CIMPULSE Metalworking Fluid Trial:

1. Select a representative machine or grinder where the customer seeks improvements.
2. Define the key application questions such as:
 - type of metal
 - severity of operation
 - water quality
 - current competitive product name or fluid type
3. Select the best CIMCOOL Metalworking Fluid for the customer application. Call your local CIMCOOL Technical Service Engineer, Application Specialist or 513-458-8199 for more information.
4. Use CIMCLEAN® 30 for a thorough machine cleanout prior to charging the machine with the clean CIMCOOL Metalworking Fluid. Consult the CIMCLEAN 30 or 40 PIF for details.
5. Charge the fluid at the recommended mix concentration. Consult the CIMCOOL Metalworking Fluid Product Information Folder for details. Maintain the fluid at the proper level in the sump.
6. Identify the test machine with a CIMCOOL Test Placard. Use the CIMCOOL MIX MASTER II Proportioner or the CIMCOOL MIX STATION and CIMCOOL Refractometer to maintain the fluid mix concentration. Check the concentration daily.
7. Maintain close contact with the customer to insure the test is successful.
8. Obtain follow-up orders for CIMCOOL® Metalworking Fluids!

CIMPULSE Fluid Replacement Guide

CIMPULSE 33MP Metalworking Fluid replaces:

- Castrol's SYNTILLO 9913, 9918, 9951, 9954
- D.A. Stuart's DASC00L 810, KUTCOOL 3233
- Henkel's 5555
- Master Chemical's TRIM 9106CS, TRIM C275
- Chemetall TECHCOOL 3700, 3900

CIMPULSE 45MP Metalworking Fluid replaces:

- Castrol's 6000 Series
- Fuch's RENOCOOL 007
- Hangsterfer S500 CF
- Houghton's HOCUT 767, 795
- Master Chemical's SC 210
- Quaker's MICROGRIND 560's
- Quaker's MICROCUT Series

CIMPULSE 49MP Metalworking Fluid replaces:

- Master Chemical TRIM E-206
- Fuch's EcoCool 711C
- Qualichem XtremeCut 291
- Blaser Swissslube 2000 Universal
- Hangsterfer 500 CF

CIMPULSE 51MP Metalworking Fluid replaces:

- Castrol's Hysol MB50
- Hangsterfer S500
- Master Chemical Microsol 585, 585XT
- Chemetall 35052CF
- Hocut 795B, 795HD



MILACRON FLUID TECHNOLOGY

10200 Alliance Drive • Blue Ash, Ohio 45242
513.458.8199 • 1.888.CIMCOOL • CIMCOOL.com

CIMPULSE™ BEST FIT QUICK REFERENCE

PRODUCTS	PRODUCT DESCRIPTION	HARD WATER	LUBRICANT	HFP
CIMPULSE™ 51MP	OIL CONTAINING MULTI-PURPOSE FLUID	YES	HYBRID	YES
CIMPULSE™ 49MP	OIL CONTAINING MULTI-PURPOSE FLUID, LESS OIL THAN 51MP	YES	BOUNDARY	YES
CIMPULSE™ 45MP	OIL CONTAINING MULTI-PURPOSE FLUID, LESS OIL THAN 49MP	YES	BOUNDARY	NO
CIMPULSE™ 33MP	NON OIL CONTAINING MULTI-PURPOSE FLUID	YES	INSOL™ TECHNOLOGY	YES

MATERIALS – ALLOYS

CIMPULSE™ 51MP, 33MP	TITANIUM, HASTELLOY, ETC.
CIMPULSE™ 51MP, 49MP, 45MP, 33MP	STAINLESS STEEL
CIMPULSE™ 51MP, 49MP, 45MP, 33MP	CAST IRON
CIMPULSE™ 51MP, 49MP, 45MP, 33MP	ALUMINUM ALLOYS 6000/7000 SERIES
CIMPULSE™ 49MP, 45MP, 33MP	CAST ALUMINUM ALLOYS
CIMPULSE™ 51MP, 49MP, 45MP, 33MP	STEEL

OPERATIONS – GRINDING

CIMPULSE™ 33MP	SURFACE, DOUBLE DISC, BLANCHARD
CIMPULSE™ 51MP, 49MP	CENTERLESS
CIMPULSE™ 51MP, 49 MP, 45MP, 33MP	CENTERTYPE, ID
CIMPULSE™ 33MP	CREEP FEED

OPERATIONS – MACHINING

CIMPULSE™ 51MP, 49 MP, 45MP, 33MP	DRILLING
CIMPULSE™ 51MP, 49 MP, 45MP, 33MP	REAMING, BORING
CIMPULSE™ 51MP, 49MP, 45 MP, 33MP	MILLING, ROUGH
CIMPULSE™ 51MP, 49MP, 45MP, 33MP	MILLING, FINISH
CIMPULSE™ 51MP, 49MP, 45MP, 33MP	CUT TAPPING
CIMPULSE™ 49MP, 33MP	FORM TAPPING



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