

WATER MISCIBLE COOLANTS

Blasocut®: High performance machining and grinding fluids formulated to achieve long term, potentially unlimited sump life. Unique Bio-Concept allows controlled growth of a stable biotope eliminating the need for bactericides in the formulation. Variable concentration range allows for use in most all applications. Blasocut versions are compatible and the emulsions can be mixed together when desired.

Nomenclature:

- SW:** for use with Soft Water only (<180 ppm water hardness)
- NF:** 'No Foam', for use with very soft water only (<90 ppm water hardness) and ideally with RO/DI water
- MD:** contains higher metal deactivator content to prevent the staining of copper and zinc containing alloys
- BC:** new generation Blasocut with excellent rinse behavior and stability for improved consumption and machine cleanliness

An alkaline cleaner such as our Blasoclean AF Art. 29170 should be used before the initial charge up. Be sure to rinse and completely remove the cleaning solutions before filling with Blasocut. If mixing by hand, slowly add concentrate to water (Oil In Last) while stirring vigorously. Use of Jetmix/Minimix is recommended.

Vasco: Mineral oil free, ester based machining/grinding fluids for the ultimate in performance. Ideal for the toughest of applications. Long term sump life is attained due to our careful selection of raw materials learned from our decades of experience formulating vegetable based products.

Blasoclean AF Art. 29170 must be used to prepare the machine for the initial fill and subsequently between each clean out and recharge. Be sure to rinse and completely remove the cleaning solution before filling with Vasco. If mixing by hand, slowly add concentrate to water (Oil In Last) while stirring vigorously.

B-Cool: High performance mineral oil containing, water-miscible products designed for longest fluid life in both stand alone machines as well as centralized coolant filter systems. B-Cool formulations are low foaming, run very clean and require only a minimal top-off concentration for maximum efficiency of use.

Blasoclean AF Art. 29170 must be used to prepare the machine for the initial fill and subsequently between each clean out and recharge. Be sure to rinse and completely remove the cleaning solution before filling with Vasco. If mixing by hand, slowly add concentrate to water (Oil In Last) while stirring vigorously.

Grindex: Mineral oil free, modern, synthetic and clear grinding fluids with ideal rinsing and settling behavior for today's grinding systems. Excellent corrosion protection is provided, even at low concentrations. The CO version is highly inhibited for carbide grinding to prevent cobalt leaching. Germ free bio-stability is maintained through optimized formulations keeping both the environment and the operator in mind.

Blasoclean AF Art. 29170 must be used to clean the machine prior to the initial fill and between each subsequent clean out and recharge. Be sure to rinse and completely remove the cleaning solution before filling with Grindex. Mixing is simple as the concentrate dissolves into a clear solution with water.

Blaser.
SWISSLUBE

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**TECHNICAL
DATA**

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mailboxusa@blaser.com

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ISO 9001/14001

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Article #

Blasocut 2000	Blasocut 2000MD	Blasocut BC20	Blasocut BC20SW	Blasocut 4000	Blasocut BC40SW	Blasocut BC40NF	Blasocut BC940	Blasocut 2000CF	Blasocut BC25MD	Blasocut BC25SW	Blasocut BC935	Blasocut BC35SW	Blasocut BC35NF	B-Cool 755	Vasco 5000	Vasco 7000	Grindex 10	Grindex 10 CO
870	870-20	1200-05	1200-65	872	40018	1401	1940	875	1250-20	1250-65	1935-02	40020	1351	11755	2850	2870	1101-04	1100

Concentrate Data

- Base Oil % - Mineral
- Base Oil % - Ester
- Chlorine (from Chlorinated Paraffin) %
- Water %

55	57	51	58	45	45	57	40	61	62	58	48	63	62	52	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	25	0	0
3	3	3	3	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0
4	3	3	1	5	2	1	0	4	3	1	3	2	1	4	0	33	40	29

Coolant Data

- Type
- pH Range - In Use
- Refractometer Factor
- Concentration (%) Range
- Refractometer (% Brix) Range
- Typical Initial Fill - Refract reading
- Typical Top-Off - Refract reading

Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Micro-Emulsion	Synthetic Solution	Synthetic Solution
8.3-9.2	8.3-9.2	8.5-9.2	8.5-9.2	8.3-9.2	8.5-9.2	8.5-9.2	8.7-9.4	8.3-9.2	8.5-9.2	8.5-9.2	8.7-9.4	8.5-9.2	8.5-9.2	8.8-9.8	8.5-9.2	8.8-9.5	8.7-9.4	8.7-9.2	
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.6	1.3	
5-20	5-20	5-15	5-15	5-20	5-15	5-15	3-15	5-20	5-15	5-15	3-15	3-15	5-15	5-15	5-15	5-15	3-7	4-9	
5-20	5-20	5-15	5-15	5-20	5-15	5-15	3-15	5-20	5-15	5-15	3-15	3-15	5-15	5-15	5-15	3.5-10	1.8-4.3	3-7	
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	2.5	3	
3	3	2.5	2.5	3	2.5	3	1.5	3	2.5	2.5	2	2.5	3	1	2	1	0.5	0.5	

Application Data/ Properties

- Machine Cleanliness
- Foam Control in Soft Water <180 ppm
- Suitability for Hard Water >180 ppm
- Machining Hard Metals/Tough Alloys
- Machining Soft & Gummy Aluminum
- Steel/Cast Iron
- Aluminum
- High Copper & Zinc Containing Alloys
- Grinding <200 Grit Wheel
- Grinding >200 Grit Wheel

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✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
conditional	✓	conditional	conditional	conditional	conditional	conditional	conditional	conditional	conditional	✓	conditional	conditional	✓	conditional	conditional	✓	✓	✓	✓
conditional	conditional	conditional	conditional	conditional	conditional	conditional	conditional	conditional	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



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Legend: ★★ = good
 ★★★ = better
 ★★★★ = best
 ✓ = ok/yes

