



MetalFlow®

Gravity and low- pressure release agents

Our technology, your solution

METALFLOW low pressure and gravity lubricants are the result of decades of experience in the field of design, development, and manufacturing of release agents for the metal industry.

The CASTFLOW GR range is comprised of water-soluble release agents formulated to achieve an easy application with spray guns and an excellent and long-lasting film formation in a wide range of temperatures.

Technological solutions that help our clients with their waste management and allow them to comply with the most demanding environmental standards.

Highlights:

- Suitable for all types of water and easy to disperse.
- Volatile organic compound-free (VOC), preventing the generation of fogs and odors.
- Homogenous coverage of the entirety of the mold to facilitate demolding and thermal isolation.
- Custom refractory capacity according to the requirements of the molds and parts.
- Excellent surface finishes based on needs.
- Preventing grip and crack problems and cavities because of a lack of isolation.

	Application	Isolation	Surface finish quality	Durability
CASTFLOW GR 100	Pre-treatment layer with isolating properties. Recommended for wheel and cylinder heads.	● ●	●	● ●
CASTFLOW GR 200	Daily use lubricant designed for automotive parts, cylinder heads, gas manifolds... Recommended when a high-quality finish is required.	● ●	● ●	● ●
CASTFLOW GR 300	Release agents with high-isolation properties designed to guarantee a long shelf-life in the mold. Recommended when an excellent finish is required.	● ● ●	● ● ●	● ●
CASTFLOW GR 400	Lubricant with high releasing properties specially designed for wheel production. Recommended when an excellent finish is required.	● ●	● ●	● ● ●
CASTFLOW GR 500	Generic use graphited release agent. Recommended for the demolding of complex parts.	●	● ● ●	●

Ancillary industrial products



	Description	Base	ISO VG Viscosity	Viscosity Index
HYDROFLOW HFC	Water-glycol based hydraulic security fluid for any application requirement.	Water-glycol	32-68	> 200
HYDROFLOW HFDU	Self-extinguishing hydraulic oil with anti-wear properties for any application.	Synthetic Oil	32-68	> 180
HYDROFLOW HM	Highly refined hydraulic oil for general applications (machine tools, valves, robotics, etc.)	Mineral Oil	22-100	> 95
SLIDEFLOW	Sliding and slipping slideways oil. Antirust capacity and low coefficient of friction.	Mineral Oil	32-220	> 95
THERMICFLOW	Heat transfer oil for any requirement and industry (chemical, metallurgical, textile, paper, wood, Building, etc ...).	Mineral Oil	30-60	> 95
		Synthetic Oil	20	70

Ancillary technical products

(P) CRISOLFLOW

Ladle and channel protector developed to avoid metallization, extend the tool's life-time and to improve the flow of the molten metal.

(P) METALPROT COPPER

Copper grease for an optimum protection and lubrication of threads and screws. Developed to achieve an easy unscrewing.

(P) METALPROT 9016

Aluminized grease for an optimum protection and lubrication of threads and screws. Developed to achieve an easy unscrewing.

P = Paste L = Liquid

(P) METALPROT 9020

High temperature grease with refractory pigments for an optimum protection and lubrication of the back side of the die to ensure an easy disassembling when being necessary.

(L) METALCLEAN 6130

Daily cleaner to remove excessive greases from the die surface.

(L) METALPROT 9040

Protection of the dies from corrosion while they are stored.

SPAIN - Barcelona
MEXICO - Querétaro
BRAZIL - São Paulo
INDIA - Pune
CHINA - Hefei



METALWORKING FLUIDS

- Coolants
- Cutting Oils
- Forming Lubricants

DIE CASTING LUBRICANTS

- Die Casting Release Agents
- Gravity and Low Pressure Release Agents
- Plunger Lubricants
- Industrial & Technical Auxiliary Lubricants

FORGING LUBRICANTS

- Graphite Based Release Agents
- Graphite Free Release Agents

INDUSTRIAL LUBRICANTS

- Hydraulic Fluids
- Gear Oils
- Slideway & Chain Oils
- Thermic Oils
- Boundry lubrication additives

SURFACE TREATMENTS

- Cleaners
- Surface Protectors

EQUIPMENT

- Dosing & Application Equipment
 - Monitoring Equipment
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