CHIPBLASTER F-SERIES HIGH PRESSURE COOLANT

CHIPBLASTER F-SERIES
Modular and Fundamental

Chipblaster F-Series high pressure coolant systems are fixed rate high pressure units. These units are modular and fundamental with options.

	F-30	F2-60
Volumes	30 Liters Per Minute	60 Liters Per Minute
Pressures	70 bar	
Standard Coolant Tank Capacity	380 liters	

- The standard F-30 unit includes one module.

- The standard F2-60 unit includes two modules.
- Product image shown includes optional ChipCHILLER (third module).

YOUR ONE-STOP-SHOP
FOR MACHINE-TOOL PERIPHERALS

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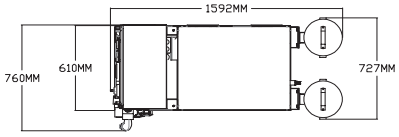
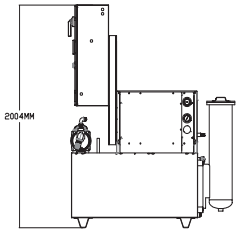
F-30

Chipblaster F-30 provides more accurate cutting, faster throughput and longer tool life. All in an affordable, custom-designed unit requiring minimal floor space. The industry's most efficient bag filtration and a double compression filter hold down lid protects the system and machine-tool from contaminants. This model is ideal for machine-tools up to 15 kW (20 hp).

This user-friendly interface makes operating and managing the Chipblaster F-30 system faster and easier. The HMI is pre-programmed for multiple languages, provides easy-to-read, plain text alarm screens, records critical alarm history data, allows the operator to view PLC I/Os in real time, and much more.





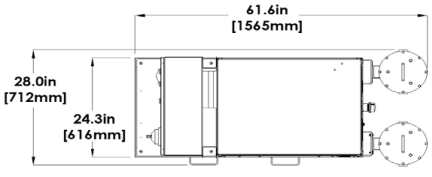
Model	Flow	Pressure	Outlets	Tank	Hydracell
F-30	30 liters per minute	70 bar	1	380 liters	Optional

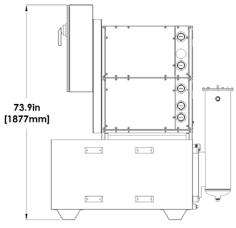
Options		Dimensions
• Oil Skimmer • Mist Collector • Heater	• Chiller • Cyclone Filtration • Wash Wand	1.88m x 1.57m x 0.71m

F2-60

The Chipblaster F2-60 operates as two completely independent 30 liter (8 gpm) modules for dual turrets or as a single 60 liter (16 gpm) fixed volume unit. This unit is fed by a transfer pump that draws from the machine tool sump, through the filter vessel to the integral 380 liter (100 gal) tank. When the machine tool calls for coolant, the positive displacement pump(s) draws the coolant from the Chipblaster tank. The coolant then flows at high pressure through a series of distribution and safety valves and on to the machine tool. This model is ideal for machine-tools up to 30 kw (40 hp), dual turret lathes and 50 taper mills.

This user-friendly interface makes operating and managing the Chipblaster F2-60 system faster and easier. The HMI is pre-programmed for multiple languages, provides easy-to-read, plain text alarm screens, records critical alarm history data, allows the operator to view PLC I/Os in real time, and much more.





Model	Flow	Pressure	Outlets	Tank	Hydracell
F2-60	2 x 30 liters per minute	70 bar	2	380 liters	Optional

Options		Dimensions
• Oil Skimmer • Mist Collector • Heater	• Chiller • Cyclone Filtration • Wash Wand	1.88m x 1.57m x 0.71m

OIL REMOVAL SERIES

Chipblaster OS coolant skimmer removes tramp oils for extended coolant life and a healthier workplace.

Model	Dimension
CB OS	Included in base unit footprint

CHILLER SERIES

- 34,000 BTU = 10,000 watts
- Cooling capacity suits virtually all applications
- Optional heater for precise temperature control

Model	Dimensions
CC 34K	Included in base unit footprint
CC 34K SA	0.92m x 0.88m x 1.24m

FILTER SERIES

- Up to 100% filtering to 10 microns
- Up to 95% filtering to 5 microns
- Up to 50% filtering to 2 microns

Model	Dimensions
CF-79	Included in base unit footprint
CF-79 SA	0.97m x 0.69m x 0.64m

SLUDGE TANK

- Recommended to complement Chipblaster CF-79 cyclone filter. The Chipblaster sludge tank holds particulates outside of the machine-tool sump and is easy to access for cleaning.

Model	Dimensions
CB ST 200	0.67m x 0.46m x 0.95m

CHIPBLASTER ADDITIONAL ACCESSORIES

MIST COLLECTORS

EMULSION OR OIL Technical specifications		WS 2 250*	WS 2 500*	WS 2 1000	WS 2 1500	WS 2 2000
		50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Air flow	[m^3/h]	240	470	950	1450	1800
Motor	[kW]	0.24	0.37	0.75	1.5	2.2
Static pressure	[Pa]	470	610	950	1260	1720
Weight	[kg]	28	35	55	75	85
Sound level	[dB(A)]	62	65	71	74	76

YOUR ONE-STOP-SHOP FOR MACHINE-TOOL PERIPHERALS

LNS provides a full range of bar feeders, chip conveyors, coolant management systems and air filtration systems which is second to none on the market. We are known in the industry for the solid expertise we have gained over several decades in an exceptionally wide range of applications, our excellent customer service and technical support. This support is ensured by highly qualified technicians who are available at key locations throughout Europe.

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