



# 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



# CHIPBLASTER F-SERIES HIGH PRESSURE COOLANT

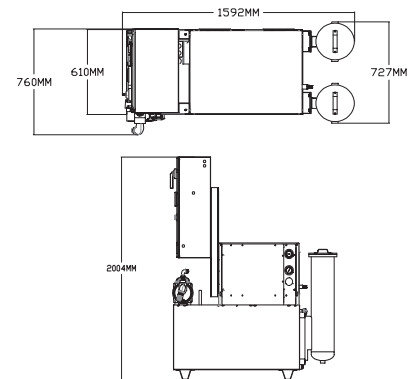
## F-30



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            |         |            |           |
| <ul style="list-style-type: none"> <li>• Oil Skimmer</li> <li>• Mist Collector</li> <li>• Heater</li> </ul> | <ul style="list-style-type: none"> <li>• Chiller</li> <li>• Cyclone Filtration</li> <li>• Wash Wand</li> </ul> | 1.88m x 1.57m x 0.71m |         |            |           |



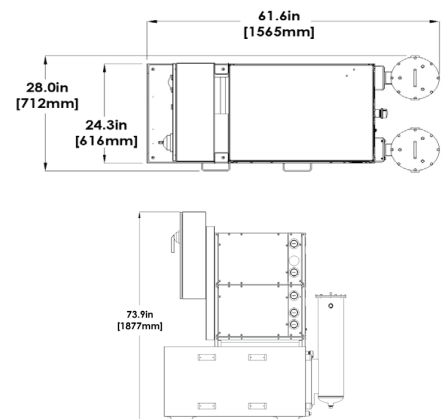
## F2-60



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            |         |            |           |
| <ul style="list-style-type: none"> <li>• Oil Skimmer</li> <li>• Mist Collector</li> <li>• Heater</li> </ul> | <ul style="list-style-type: none"> <li>• Chiller</li> <li>• Cyclone Filtration</li> <li>• Wash Wand</li> </ul> | 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
- 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          |                     | WS 2<br>250* | WS 2<br>500* | WS 2<br>1000 | WS 2<br>1500 | WS 2<br>2000 |
|--------------------------|---------------------|--------------|--------------|--------------|--------------|--------------|
| Technical specifications |                     | 50 Hz        | 50 Hz        | 50 Hz        | 50 Hz        | 50 Hz        |
| Air flow                 | [m <sup>3</sup> /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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