



# CHIPBLASTER V-SERIES HIGH PRESSURE COOLANT

## CHIPBLASTER V-SERIES Modular Premium Models

Chipblaster V-Series high pressure coolant systems are variable rate high pressure units. These units are premium and modular units with options

|                                | V-40                 | V-60                 | V2-80                | V2-120                |
|--------------------------------|----------------------|----------------------|----------------------|-----------------------|
| Volumes                        | 40 Liters Per Minute | 60 Liters Per Minute | 80 Liters Per Minute | 120 Liters Per Minute |
| Pressures                      | 70 bar               |                      |                      |                       |
| Standard Coolant Tank Capacity | 380 liters           | 480 liters           | 380 liters           | 480 liters            |



- V-40 and V-60 standard units include one module, product images shown include Chipblaster Chiller Series (second module)
- V2-80 and V2-120 standard units include two modules, product images shown include Chipblaster Chiller Series (third module)



YOUR ONE-STOP-SHOP  
FOR MACHINE-TOOL PERIPHERALS



# CHIPBLASTER V-SERIES HIGH PRESSURE COOLANT

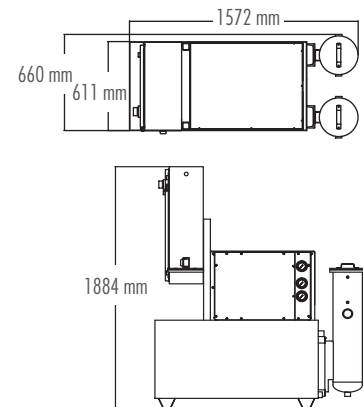
## V-40



The Chipblaster V-40 goes well beyond conventional coolant systems to automatically provide optimal pressure and flow for all applications. This assures more accurate cutting, faster throughput and longer tool life. All in an affordable, custom-designed unit requiring minimal floorspace.

Most high-pressure coolant systems concentrate only on chip management and pump at a fixed rate, regardless of need. This wastes energy, especially when using smaller tools, as a majority of the coolant is simply dumped back into the tank. Chipblaster V-40 automatically delivers just the right amount of coolant to maintain optimal pressure and flow for each specific application, thus coolant is never bypassed. The result is energy savings and extended tool life. The Chipblaster 380 liter (100 gallon) standard tank with baffles radiates excess heat to maintain acceptable coolant temperature and reduce foaming.

| Model   | Flow                 | Pressure              | Outlets | Tank       | Hydracell |
|---|----------------------|-----------------------|---------|------------|-----------|
| V-40  | 40 liters per minute | 70 bar                | 1       | 380 liters | Optional  |
| Options   |                      | Dimensions            |         |            |           |
| Oil Skimmer<br>Chiller<br>Mist Collector<br>Cyclone Filtration<br>Heater<br>Wash Wand |                      | 1.88m x 1.57m x 0.71m |         |            |           |



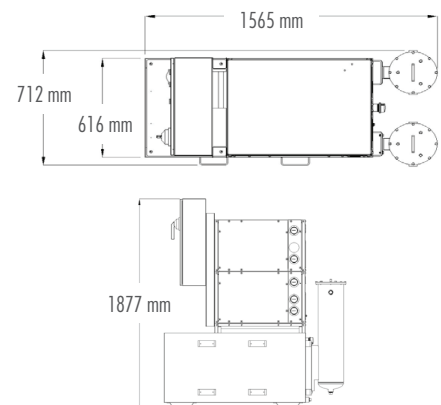
## V2-80



The Chipblaster V2-80 can operate as two completely independent 40 liter (10 gpm) modules or combine to provide high pressure and very high volumes 80 liters at any time during the same program.

This is the “gold standard” for high pressure coolant systems. It automatically pumps just enough volume to maintain full pressure. Other systems pump a fixed rate that is always too much or too little causing foam, heat, and short filter life. Ideal for machine tools up to 40kw (50hp), dual turret lathes and 50 taper mills.

| Model   | Flow                     | Pressure              | Outlets | Tank       | Hydracell |
|---|--------------------------|-----------------------|---------|------------|-----------|
| V2-80   | 2 x 40 liters per minute | 70 bar                | 2       | 380 liters | Optional  |
| Options   |                          | Dimensions            |         |            |           |
| Oil Skimmer<br>Chiller<br>Mist Collector<br>Cyclone Filtration<br>Heater<br>Wash Wand |                          | 1.88m x 1.57m x 0.71m |         |            |           |



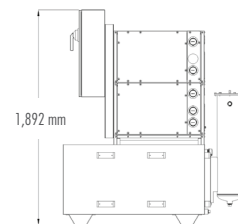
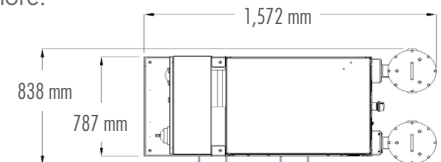
## V-60



The Chipblaster V-60 is fed by a transfer pump that draws from the machine tool sump, through the filter vessel to the integral 480 liter (126 gal) tank. When the machine tool calls for coolant, the filter pump(s) draw the coolant from the Chipblaster tank and pumps it to the inlet of the positive displacement pump. The coolant then flows at high pressure through a series of distribution and safety valves and on to the machine tool. Ideal for machine tools up to 30kw (40hp), lathes and 50 taper mills.

This user-friendly interface makes operating and managing the Chipblaster V-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 |
|---|----------------------|-----------------------|---------|------------|-----------|
| V-60  | 60 liters per minute | 70 bar                | 1       | 480 liters | N/A       |
| Options   |                      | Dimensions            |         |            |           |
| Oil Skimmer<br>Chiller<br>Mist Collector<br>Cyclone Filtration<br>Heater<br>Wash Wand |                      | 1.88m x 1.57m x 0.84m |         |            |           |



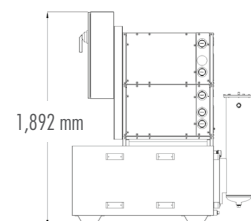
## V2-120



The Chipblaster V2-120 can operate as two completely independent 60 liter (16 gpm) modules or combine to provide high pressure and very high volumes 120 liters at any time during the same program. Ideal for machine tools up to 60kw (80hp), dual turret lathes and 50 taper mills.

This user-friendly interface makes operating and managing the Chipblaster V2-120 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 |
|---|--------------------------|-----------------------|---------|------------|-----------|
| V2-120  | 2 x 60 liters per minute | 70 bar                | 2       | 480 liters | N/A       |
| Options   |                          | Dimensions            |         |            |           |
| Oil Skimmer<br>Chiller<br>Mist Collector<br>Cyclone Filtration<br>Heater<br>Wash Wand |                          | 1.88m x 1.57m x 0.98m |         |            |           |







# CHIPBLASTER ADDITIONAL ACCESSORIES

## 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 |

## 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]                | 35           | 43           | 65           | 92           | 110          |
| 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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