HARD WORKING DUST COLLECTION
FOR HARD WORKING PEOPLE
<table>
<thead>
<tr>
<th>SERIES</th>
<th>PRODUCT/DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SERIES 100</td>
<td>TOUGH PORTABLES MODEL S110/S111</td>
<td>5</td>
</tr>
<tr>
<td>SERIES 100</td>
<td>TOUGH PORTABLES MODEL S112</td>
<td>6</td>
</tr>
<tr>
<td>SERIES 100</td>
<td>TOUGH PORTABLES MODEL S120/S123</td>
<td>7</td>
</tr>
<tr>
<td>SERIES 100</td>
<td>TOUGH PORTABLES MODEL S121/S124</td>
<td>8</td>
</tr>
<tr>
<td>SERIES 100</td>
<td>TOUGH PORTABLES MODEL S122</td>
<td>9</td>
</tr>
<tr>
<td>SERIES 100</td>
<td>TOUGH PORTABLES MODEL S130</td>
<td>10</td>
</tr>
<tr>
<td>SERIES 200</td>
<td>PLUG-N-PLAY WORKSTATIONS MODEL S210</td>
<td>11</td>
</tr>
<tr>
<td>SERIES 200</td>
<td>PLUG-N-PLAY WORKSTATIONS MODEL S211</td>
<td>12</td>
</tr>
<tr>
<td>SERIES 200</td>
<td>PLUG-N-PLAY WORKSTATIONS MODEL S212</td>
<td>13</td>
</tr>
<tr>
<td>SERIES 200</td>
<td>PLUG-N-PLAY WORKSTATIONS MODEL S220</td>
<td>14</td>
</tr>
<tr>
<td>SERIES 200</td>
<td>PLUG-N-PLAY WORKSTATIONS MODEL S230</td>
<td>15</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODEL S310</td>
<td>16</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODELS S311/S312</td>
<td>17</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODELS S313/S314</td>
<td>18</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODEL S315</td>
<td>19</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODELS S316/S317</td>
<td>20</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODELS S318/S319</td>
<td>21</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODEL S320</td>
<td>22</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODEL S321</td>
<td>23</td>
</tr>
<tr>
<td>SERIES 300</td>
<td>SPACE SAVER UNITS MODEL S350</td>
<td>24</td>
</tr>
<tr>
<td>SERIES 400</td>
<td>COMPACT COLLECTORS MODEL S410</td>
<td>25</td>
</tr>
<tr>
<td>SERIES 400</td>
<td>COMPACT COLLECTORS MODEL S411</td>
<td>26</td>
</tr>
<tr>
<td>SERIES 400</td>
<td>COMPACT COLLECTORS MODEL S412</td>
<td>27</td>
</tr>
<tr>
<td>SERIES 400</td>
<td>COMPACT COLLECTORS MODEL S413</td>
<td>28</td>
</tr>
<tr>
<td>SERIES 400</td>
<td>COMPACT COLLECTORS MODEL S414</td>
<td>29</td>
</tr>
<tr>
<td>SERIES 400</td>
<td>COMPACT COLLECTORS MODEL S415</td>
<td>30</td>
</tr>
<tr>
<td>SERIES 600</td>
<td>FLEXIBLE GENERAL VENTILATION MODELS S610/S620</td>
<td>31</td>
</tr>
<tr>
<td>SERIES 700</td>
<td>HI-VAC EXTRACTION MODEL S710</td>
<td>32</td>
</tr>
<tr>
<td>SERIES 700</td>
<td>HI-VAC EXTRACTION MODEL S720</td>
<td>33</td>
</tr>
<tr>
<td>SERIES 700</td>
<td>HI-VAC EXTRACTION MODEL S730</td>
<td>34</td>
</tr>
<tr>
<td>SERIES 700</td>
<td>HI-VAC EXTRACTION MODEL S740</td>
<td>35</td>
</tr>
<tr>
<td>HOOD SYSTEM</td>
<td></td>
<td>36</td>
</tr>
<tr>
<td>FUME ARMS</td>
<td></td>
<td>37</td>
</tr>
<tr>
<td>ARTICULATED EXTENSION BOOMS</td>
<td></td>
<td>38</td>
</tr>
<tr>
<td>MODEL</td>
<td>PAGE NUMBER</td>
<td>MANUAL WELDING</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
<td>----------------</td>
</tr>
<tr>
<td>S110</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>S111</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>S112</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>S120</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>S121</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>S122</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>S123</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>S124</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>S125</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>S130</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>S210</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>S211</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>S212</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>S220</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>S230</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>S310</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>S311</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>S312</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>S313</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>S314</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>S315</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>S316</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>S317</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>S318</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>S319</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>S320</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>S321</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>S322</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>S330</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>S410</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>S411</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>S412</td>
<td>27</td>
<td></td>
</tr>
<tr>
<td>S413</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>S414</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>S415</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>S610</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td>S620</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>S710</td>
<td>33</td>
<td></td>
</tr>
<tr>
<td>S720</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>S730</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>S740</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

- Suited for application
- Collector ducted to hood above robot cell
- Collector integrated with ductwork to hoods, fume arms or backdrafts. Spark arrestance option recommended.
- Light duty / smaller applications.
- Option available.
- Collector ducted to cutting table. Spark arrestance option recommended.

Spark arrestance option recommended.

**PORTABLES**

- S110
- S111
- S112
- S120
- S121
- S122
- S123
- S124
- S125
- S130

**WORK STATIONS**

- S210
- S211
- S212
- S220
- S230

**SPACE SAVER UNITS**

- S310
- S311
- S312
- S313
- S314
- S315
- S316
- S317
- S318
- S319
- S320
- S321
- S322
- S330

**COLLECTORS**

- S410
- S411
- S412
- S413
- S414
- S415

**HI-VAC**

- S610
- S620
- S710
- S720
- S730
- S740

This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2016 RoboVent 05/2016
MODEL
S110/S111

Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week.

Capacity: 750 CFM @ 4.5 in.W.G.
Motor: 0.75 HP, Direct Drive
Voltage: Single phase, 110V, 50/60Hz
Full Load Amps: 13.8
Blower: Reverse inclined high performance blower wheel
Sound Level: 67 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 36” x 20” x 39”
Weight: 445 lbs.
Filter Cartridge: (1) VB-18D16-13
Filter Media Area: 203 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: Filter manual blow-out port
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) Metal Mesh Screen MM-16202

Configurations:
• S110: (1) 6” Diameter, 10’ long Steel FumeArm
• S111: (1) 6” Diameter, 14’ long Steel FumeArm

Options:
• 6” FumeArm LED Light Kit — VB-HD-6LK
• Weld Arc Sensor & Timer Module — VB-LST-2
• Weld Current Sensor & Timer Module — VB-CST-2
  (Onsite Install Required for all Optional Equipment)
• CSA Certification — CSA-100
• UL Certification — Contact Customer Service
• HEPA Filter & Frame : HP-S110
  (required for attachment)
• HEPA Replacement Filter: HP-S110-HF
  (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL

S112

Capacity: 750 CFM @ 4.5 in.W.G.
Motor: 0.75 HP, Direct Drive
Voltage: Single phase, 110V, 50/60Hz
Full Load Amps: 13.8
Blower: Reverse inclined high performance blower wheel
Sound Level: 67 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 36” x 20” x 39”
Weight: 420 lbs.
Filter Cartridge: (1) VB-18D16-13
Filter Media Area: 203 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: Filter manual blow-out port
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) Metal Mesh Screen MM-16202
Configuration: (1) 6” Diameter, 12’ long FlexHose and Hood with Magnetic Base
Options:
- 6” FumeArm LED Light Kit — VB-HD-6LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S110 (required for attachment)
- HEPA Replacement Filter: HP-S110-HF (Note: HEPA filter reduces airflow by approximately 10%)

Warranty:
Visit ventboss.com/terms for full warranty details.

Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week.
MODEL
S120/S123

Maximum filter life will be achieved with this product when one welder is welding up to 50 pounds of weld wire per week.

Capacity: 1200 CFM @ 4.5 in.W.G.
Motor: 1.5 HP, Direct Drive
Voltage: Single phase, 110V, 60Hz
Full Load Amps: 20.0
Blower: Reverse inclined high performance blower wheel
Sound Level: 70 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 53” x 23” x 31”
Weight: 440 lbs.
Filter Cartridge: (1) VB-14D26-13-SF
Filter Media Area: 256 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
Dust Containment: Lift-out Dust Tray
Spark Arrestance: (1) Metal Mesh Screen MM-20242
Configurations:
- S120: (1) 8” Diameter, 10’ long FumeArm
- S123: (1) 8” Diameter, 14’ long FumeArm
Options:
- 8” FumeArm LED Light Kit — VB-HD-8LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2
  (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S120
  (required for attachment)
- HEPA Replacement Filter: HP-S120-HF
  (Note: HEPA filter reduces airflow by approximately 10%)
Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL
S121/S124

Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.

Capacity: 1200 CFM @ 4.5 in.W.G.
Motor: 1.5 HP, Direct Drive
Voltage: Single phase, 110V, 60Hz
Full Load Amps: 20.0
Blower: Reverse inclined high performance blower wheel
Sound Level: 70 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxW): 53" x 23" x 31"
Weight: 440 lbs.
Filter Cartridge: (1) VB-14D26-13-SF
Filter Media Area: 256 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection
Dust Containment: Lift-out Dust Tray
Spark Arrestance: (1) Metal Mesh Screen MM-20242
Configurations:
- S121: (2) 6" Diameter, 10' long FumeArm
- S124: (2) 6" Diameter, 14' long FumeArm
Options:
- 6" FumeArm LED Light Kit — VB-HD-6LK
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2
  (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S120
  (required for attachment)
- HEPA Replacement Filter: HP-S120-HF
  (Note: HEPA filter reduces airflow by approximately 10%)
Warranty:
Visit ventboss.com/terms for full warranty details.
Maximum filter life will be achieved with this product when one welder is welding up to 50 pounds of weld wire per week or grinding small weldments.

**Capacity:** 1200 CFM @ 4.5 in.W.G.
**Motor:** 1.5 HP, Direct Drive
**Voltage:** Single phase, 110V, 60Hz
**Full Load Amps:** 20.0
**Blower:** Reverse inclined high performance blower wheel
**Sound Level:** 70 dBA
**Silencing:** Integral Acoustical Plenum with Low Frequency Dampening
**Controls:** Manual on/off switch, Minihelic Filter Condition Gauge

**Cabinet Dimensions (HxLxD):** 53” x 23” x 31”
**Weight:** 440 lbs.
**Filter Cartridge:** (1) VB-14D26-13-SF
**Filter Media Area:** 256 sq.ft.
**Filter Type:** Nanofiber MERV13
**Filter Cleaning:** On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
**Dust Containment:** Lift-out Dust Tray
**Spark Arrestance:** (1) Metal Mesh Screen MM-20242
**Configuration:** (1) FlexDraft Attachment (Backdraft or Downdraft)

**Options:**
- Weld Arc Sensor & Timer Module — VB-LST-2
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter & Frame : HP-S120 (required for attachment)
- HEPA Replacement Filter: HP-S120-HF (Note: HEPA filter reduces airflow by approximately 10%)

**Warranty:**
Visit ventboss.com/terms for full warranty details.
Maximum filter life will be achieved with this product when one welder is welding up to 10 pounds of weld wire per week.

**Model**

**S130**

**Capacity:** 150 CFM Max, 110 in.W.G. Max

**Motor:** 2.3 HP (1700 Watts), Direct Drive, 1500+ hr. Duty

**Voltage:** Single phase, 120V, 50/60Hz

**Full Load Amps:** 15.1

**Blower:** Single Stage Tapered 8.4” dia. Tangential Discharge Blower

**Sound Level:** 75 dBA

**Silencing:** Integral Acoustical Plenum with Low Frequency Dampening

**Controls:** Manual on/off switch, Minihelic Filter Condition Gauge

**Cabinet Dimensions (HxLxD):** 18” x 16” x 14”

**Weight:** 50 lbs.

**Filter Cartridge:** (1) VB-10D12-13

**Filter Media Area:** 37 sq.ft.

**Filter Type:** Nanofiber MERV13

**Dust Containment:** Vacuum / sweep out filter plenum

**Spark Arrestance:** (1) Metal Mesh Screen MM-12121

**Configuration:** (1) 2” Flex Hose, 15’

**Filter Cleaning:** Ball-Valve Activated Pulse Cleaning, 1/4” NPT Compressed Air Connection

**Optional Features & Accessories:**
- Weld Current Sensor & Timer Module — VB-CST-2
- Intake Attachment Options:
  - Flared Cone 7” H x 10” W — FC-VB
  - Slotted Hood 15” L — ST-VB
  - 2” Pipe with magnetic base — GNT-VB
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service

**Warranty:**
Visit ventboss.com/terms for full warranty details.
Capacity: 1280 CFM @ 4 in.W.G.
Motor: 0.75 HP, Direct Drive
Voltage: Single phase, 110V, 60Hz
Full Load Amps: 13.8
Blower: Reverse inclined high performance blower wheel
Sound Level: 67 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 52" x 37" x 29"
Weight: 420 lbs.
Filter Cartridge: (1) VB-22D14-13-C
Filter Media Area: 217 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: Triple Layer, (1) FB-24242, (2) MM-24242
Configuration: Table Size: 36 x 36in, 1 x 1/8 Bar Grating, 300lb. Load capacity
Options:
- Caster Wheel Kit — WK-S200
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Replacement Filter: HP-S211-HF (Note: HEPA filter reduces airflow by approximately 10%)
Warranty:
Visit ventboss.com/terms for full warranty details.

Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week or grinding small weldments.
Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.

Capacity: 2560 CFM @ 4 in.W.G.
Motor: 1.5 HP, Direct Drive
Voltage: Single Phase, 110V 60Hz
Full Load Amps: 20.0 (110V)
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 52” x 61” x 29”
Weight: 700 lbs.
Filter Cartridge: (2) VB-18D12-13-C
Filter Media Area: 304 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: Triple Layer, (2) FB-24242, (4) MM-24242
Configuration: Table Size: 60” x 36in, 1 x 1/8 Bar Grating, 630lb. Load capacity
Options:
- Caster Wheel Kit — WK-S200
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.
Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.

**Capacity:** 2560 CFM @ 4 in.W.G.

**Motor:** 1.5 HP, Direct Drive

**Voltage:** Single Phase, 110V 60Hz

**Full Load Amps:** 20.0 (110V)

**Blower:** Reverse inclined high performance blower wheel

**Sound Level:** 72 dBA

**Silencing:** Integral Acoustical Plenum with Low Frequency Dampening

**Controls:** Manual on/off switch, Minihelic Filter Condition Gauge

**Cabinet Dimensions (HxLxD):** 52" x 61" x 29"

**Weight:** 700 lbs.

**Filter Cartridge:** (2) VB-18D12-13-C

**Filter Media Area:** 304 sq. ft.

**Filter Type:** Nanofiber MERV13

**Filter Cleaning:** On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4"NPT compressed air connection

**Dust Containment:** Vacuum / sweep out filter plenum

**Spark Arrestance:**

- Triple Layer, (2) FB-24242, (4) MM-24242

**Configuration:** Table Size: 60 x 36 in. x 1/8 Bar Grating: 6" dia. x 7" long fume arm; 630lb. Load capacity

**Options:**

- Caster Wheel Kit — WK-S200
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

**Warranty:**

Visit ventboss.com/terms for full warranty details.
This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2016 RoboVent 05/2016

**Capacity:** 2000 CFM @ 3.5 in.W.G.

**Motor:** 2 HP, Direct Drive

**Voltage:** 3 Phase, 480V, 60Hz

**Full Load Amps:** 3.4

**Blower:** Reverse inclined high performance blower wheel

**Sound Level:** 72 dBA

**Silencing:** Integral Acoustical Plenum with Low Frequency Dampening

**Controls:** Manual on/off switch, Minihelic Filter Condition Gauge

**Cabinet Dimensions (HxLxD):** 89” x 48” x 68”

**Weight:** 700 lbs.

**Filter Cartridge:** (1) VB-22D12-13-C

**Filter Media Area:** 217 sq. ft.

**Filter Type:** Nanofiber MERV13

**Filter Cleaning:** On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4”NPT compressed air connection

**Dust Containment:** Vacuum / sweep out filter plenum

**Spark Arrestance:** One Layer, (1) MM-17402

**Configuration:** Table Size: 30”D x 48”W

**Options:**
- Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
- Curtain Kit — VB-CRT
  Weld flash curtain kit includes: curtain, hang bar and brackets
- Light Kit — VB-LK
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- Other Voltages: 230V or 575V

**Warranty:**
Visit ventboss.com/terms for full warranty details.

Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week, great for educational facilities as they can sit back to back and side to side.
Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week, great for educational facilities as they can sit back to back and side to side.

**Model:** S230

- **Capacity:** 2000 CFM @ 3.5 in.W.G.
- **Motor:** 2 HP, Direct Drive
- **Voltage:** 3 Phase, 480V, 60Hz
- **Full Load Amps:** 3.4
- **Blower:** Reverse inclined high performance blower wheel
- **Sound Level:** 72 dBA
- **Silencing:** Integral Acoustical Plenum with Low Frequency Dampening
- **Controls:** Manual on/off switch, Minihelic Filter Condition Gauge
- **Cabinet Dimensions (HxLxD):** 89” x 60” x 72”
- **Weight:** 700 lbs.
- **Filter Cartridge:** (1) VB-22D14-13-C
- **Filter Media Area:** 217 sq. ft.
- **Filter Type:** Nanofiber MERV13
- **Filter Cleaning:** On board compressed air tank, manual activated push-button filter pulse cleaning, 3/4”NPT compressed air connection
- **Dust Containment:** Vacuum / sweep out filter plenum
- **Spark Arrestance:** One Layer, (1) MM-17402
- **Configuration:** Table Size: 30”D x 60”W
- **Options:**
  - Weld Current Sensor & Timer Module — VB-CST-2 (Onsite Install Required for all Optional Equipment)
  - Curtain Kit — VB-CRT
  - Weld flash curtain kit includes: curtain, hang bar and brackets
  - Light Kit — VB-LK
  - 110V Plug & 480V Connection for Welder — PL-110V-480V
  - CSA Certification — CSA-100
  - UL Certification — Contact Customer Service
  - Other Voltages: 230V or 575V
- **Warranty:** Visit ventboss.com/terms for full warranty details.

**SERIES 200**

**Plug-N-Play Workstations**

**Maximum filter life will be achieved with this product when one welder is welding up to 25 pounds of weld wire per week, great for educational facilities as they can sit back to back and side to side.**

**Shown with standard 28” deep side walls, deeper side walls are available.**

**Inlet Area**

**Clean Air Exhaust**

**Filter Access**

**Motor**

**Particulate Clean-Out**

**Electrical/Air Hookup**

**Welder Placement Area**

**Power Access Channel to Welder Area**

**Visit ventboss.com/terms for full warranty details.**
MODEL

S310

Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 70” x 24” x 24”
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) FB-24242, (1) MM-24242
Configuration: FloorMount with Intake Boot and Spark Arrestance
Options:
- Silencer — AP-S300
  24”W x 24”D x 14”H
- Weld Current Sensor & Timer Module — VB-CST-S300
  (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
  HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL
S311/S312

Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, MiniHelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 70" x 24" x 24"
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance:
(1) FB-24242, (1) MM-24242
Configurations:
• S311: FloorMount with (1) 8" x 10' FumeArm
• S312: FloorMount with (1) 8" x 14' FumeArm
Options:
• Silencer — AP-S300
  24"W x 24"D x 14"H
• Weld Current Sensor & Timer Module — VB-CST-S300
  (Onsite Install Required for all Optional Equipment)
• CSA Certification — CSA-100
• UL Certification — Contact Customer Service
• HEPA Filter — HP-S310
  HEPA Frame — HFR-S310
• Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL

S313/S314

Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 70” x 24” x 24”
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) FB-24242, (1) MM-24242
Configurations:
• S313: FloorMount with (2) 6” x 10’ FumeArms
• S314: FloorMount with (2) 6” x 14’ FumeArms
Options:
• Silencer — AP-S300
  24”W x 24”D x 14”H
• Weld Current Sensor & Timer Module — VB-CST-S300
  (Onsite Install Required for all Optional Equipment)
• CSA Certification — CSA-100
• UL Certification — Contact Customer Service
• HEPA Filter — HP-S310
  HEPA Frame — HFR-S310
• Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL

S315

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 67” x 24” x 24”
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) FB-24242, (1) MM-24242
Configuration: FloorSaver with Intake Boot and Spark Arrestance

Options:
- Wall Bracket Kit — S300-WK-FA
- Silencer — AP-S300
  24”W x 24”D x 14”H
- Weld Current Sensor & Timer Module — VB-CST-S300
  (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
  HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:
Visit ventboss.com/terms for full warranty details.

Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.
Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 67” x 24” x 24”
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance:
(1) FB-24242, (1) MM-24242
Configurations:
• S316: FloorSaver with (1) 8” x 10’ FumeArm
• S317: FloorSaver with (1) 8” x 14’ FumeArm
Options:
• Wall Bracket Kit — S300-WK-FA
• Silencer — AP-S300
24”W x 24”D x 14”H
• Weld Current Sensor & Timer Module — VB-CST-S300
(Onsite Install Required for all Optional Equipment)
• CSA Certification — CSA-100
• UL Certification — Contact Customer Service
• HEPA Filter — HP-S310
HEPA Frame — HFR-S310
• Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL
S318/S319

Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 67" x 24" x 24"
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) FB-24242, (1) MM-24242
Configurations:
- S318: FloorSaver with (2) 6" x 10' FumeArms
- S319: FloorSaver with (2) 6" x 14' FumeArm
Options:
- Wall Bracket Kit — S300-WK-FA
- Silencer — AP-S300
  24"W x 25"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
  (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
  HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.
S320

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxW): 70" x 24" x 42"
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 355 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: Two Layer, (1) FB-24242, (1) MM-24242
Configuration: 2’ x 2’ Opening, Spark Arrestance Intake
Options:
- Silencer — AP-S300
  24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300
  (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
  HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V
Warranty:
Visit ventboss.com/terms for full warranty details.

Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.
**SERIES 300**

**SPACE SAVER UNITS**

**MODEL**

**S321**

Maximum filter life will be achieved with this product when one welder is welding up to 75 pounds of weld wire per week.

- **Capacity:** 1500 CFM @ 4.5 in.W.G.
- **Motor:** 2HP, Direct Drive
- **Voltage:** 3 Phase, 480V, 60Hz
- **Full Load Amps:** 3.4
- **Blower:** Reverse inclined high performance blower wheel
- **Sound Level:** 72 dBA
- **Silencing:** Integral Acoustical Plenum with Low Frequency Dampening
- **Controls:** Manual on/off switch, Minihelic Filter Condition Gauge
- **Cabinet Dimensions (HxLxD):** 67” x 24” x 44”
- **Weight:** 370 lbs.
- **Filter Cartridge:** (1) VB-14D36-13-SF
- **Filter Media Area:** 355 sq. ft.
- **Filter Type:** Nanofiber MERV13
- **Filter Cleaning:** On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4”NPT compressed air connection
- **Dust Containment:** Vacuum / sweep out filter plenum
- **Spark Arrestance:**
  Two Layer, (1) FB-24242, (1) MM-24242
- **Configuration:** BackDraft, 2’ x 2’ Opening
- **Options:**
  - Wall Bracket Kit — S300-WK-FA
  - Silencer — AP-S300 24”W x 24”D x 14”H
  - Weld Current Sensor & Timer Module — VB-CST-S300 (Onsite Install Required for all Optional Equipment)
  - CSA Certification — CSA-100
  - UL Certification — Contact Customer Service
  - HEPA Filter — HP-S310 HEPA Frame — HFR-S310
  - Other Voltages: 230V or 575V
- **Warranty:** Visit ventboss.com/terms for full warranty details.
MODEL
S350

Maximum filter life will be achieved with this product when one or two welders are welding up to 75 pounds of weld wire per week.

Capacity: 1500 CFM @ 4.5 in.W.G.
Motor: 2HP, Direct Drive
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 3.4
Blower: Reverse inclined high performance blower wheel
Sound Level: 72 dBA
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: Manual on/off switch, Minihelic Filter Condition Gauge
Cabinet Dimensions (HxLxD): 67" x 24" x 24"
Weight: 370 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 430 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, manual activated push-button filter pulse cleaning, 1/4"NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: Triple Layer, (1) FB-24242, (2) MM-24242
Configuration: Canopy - 60"W x 65"D
Options:
- Wall Bracket Kit — S350-WK-CP
- Weld Curtain — WC-40-0606
- Silencer — AP-S300 24"W x 24"D x 14"H
- Weld Current Sensor & Timer Module — VB-CST-S300 (Onsite Install Required for all Optional Equipment)
- CSA Certification — CSA-100
- UL Certification — Contact Customer Service
- HEPA Filter — HP-S310
- HEPA Frame — HFR-S310
- Other Voltages: 230V or 575V

Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL
S410

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A:C RATIO</th>
<th>CFM @ 8&quot; WG</th>
<th>MOTOR (HP)</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S410</td>
<td>1.7:1</td>
<td>1500</td>
<td>3.0</td>
<td>4.8</td>
</tr>
<tr>
<td>S410</td>
<td>2.2:1</td>
<td>1950</td>
<td>5.0</td>
<td>7.6</td>
</tr>
<tr>
<td>S410</td>
<td>3.3:1</td>
<td>2850</td>
<td>7.5</td>
<td>11.0</td>
</tr>
</tbody>
</table>

Voltage: 3 Phase, 480V, 60Hz
Blower: Reverse inclined high performance blower wheel
Silencing: Optional
Controls: ePad Digital Controls
Cabinet Dimensions (HxLxD): 85" x 30" x 45" not including the Motor
Weight: 1300-1490 lbs.
Filter Cartridge: (2) VB-14D44-13-SF
Filter Media Area: 868 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
3/4” NPT compressed air connection
Air Monitor: Included
Dust Containment: Dust Tray
Spark Arrestance: Optional
Configuration: Stand Alone Collector
Options:
- Hopper & Short Drum (20 Gal. capacity)
  — HSD-S410-2 Adds 33" to height
- Acoustic Silencing in Motor Area (recommended)
  — S410-2-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
  — VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum
  (required for outdoor installation) — AFP-S410-2
- VFD - Energy Savings — Contact Customer Service
Warranty:
Visit ventboss.com/terms for full warranty details.

Optional Hopper & 20 Gallon Drum
MODEL
S411

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A/C RATIO</th>
<th>CFM @ 8” WG</th>
<th>MOTOR (HP)</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S411</td>
<td>1.5 :1</td>
<td>1950</td>
<td>5.0</td>
<td>7.6</td>
</tr>
<tr>
<td>S411</td>
<td>2.2 :1</td>
<td>2850</td>
<td>7.5</td>
<td>11.0</td>
</tr>
<tr>
<td>S411</td>
<td>3.1 :1</td>
<td>4100</td>
<td>7.5</td>
<td>11.0</td>
</tr>
</tbody>
</table>

Voltage: 3 Phase, 480V, 60Hz
Blower: Reverse inclined high performance blower wheel
Silencing: Optional
Controls: ePad Digital Controls
Cabinet Dimensions (HxD): 85” x 30” x 61” not including the motor
Weight: 1300-1640 lbs. (depending on options)
Filter Cartridge: (3) VB-14D44-13-SF
Filter Media Area: 1,302 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: Responsive Pulse Controller; Online, Offline and Maintenance Cleaning Modes. 3/4” NPT compressed air connection
Air Monitor: Included
Dust Containment: Dust Tray
Spark Arrestance: Optional
Configuration: Stand Alone Collector
Options:
- Hopper & Short Drum (20 Gal. capacity)
  — HSD-S411-3 Adds 41” to height
- Hopper & Long Legs (55 Gal. capacity)
  — HLL-S411-3 Adds 61” to height
- Acoustic Silencing in Motor Area (recommended)
  — S411-3-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
  — VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum (required for outdoor installation) — AFP-S411-3
- VFD - Energy Savings — Contact Customer Service
Warranty:
Visit ventboss.com/terms for full warranty details.
MODEL
S412

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A:C RATIO</th>
<th>CFM @ 8&quot; WG</th>
<th>MOTOR (HP)</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S412</td>
<td>1.6:1</td>
<td>2850</td>
<td>7.5</td>
<td>11.0</td>
</tr>
<tr>
<td>S412</td>
<td>2.4:1</td>
<td>4100</td>
<td>7.5</td>
<td>11.0</td>
</tr>
<tr>
<td>S412</td>
<td>3.2:1</td>
<td>5600</td>
<td>10.0</td>
<td>14.0</td>
</tr>
</tbody>
</table>

**Voltage:** 3 Phase, 480V, 60Hz

**Blower:** Reverse inclined high performance blower wheel

**Silencing:** Optional

**Controls:** ePad Digital Controls

**Cabinet Dimensions (HxLxW):**
85” x 30” x 77” not including the Motor

**Weight:** 1750-1810 lbs. (Depending on Options)

**Filter Cartridge:** (4) VB-14D44-13-SF

**Filter Media Area:** 1,736 sq. ft.

**Filter Type:** Nanofiber MERV13

**Filter Cleaning:** Responsive Pulse Controller; Online, Offline and Maintenance Cleaning Modes. 3/4” NPT compressed air connection

**Air Monitor:** Included

**Dust Containment:** Dust Tray

**Spark Arrestance:** Optional

**Configuration:** Stand Alone Collector

**Options:**
- Hopper & Short Drum (20 Gal. capacity)
  - HSD-S412-4 Adds 48” to height
- Hopper & Long Legs (55 Gal. capacity)
  - HLL-S412-4 Adds 67” to height
- Acoustic Silencing in Motor Area (recommended)
  - S412-4-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
  - VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum (required for outdoor installation) — AFP-S412-4
- VFD - Energy Savings — Contact Customer Service

**Warranty:**
Visit ventboss.com/terms for full warranty details.
**MODEL**

**S413**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A/C RATIO</th>
<th>CFM @ 8&quot; WG</th>
<th>MOTOR (HP)</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S413</td>
<td>1.6:1</td>
<td>4100</td>
<td>7.5</td>
<td>11.0</td>
</tr>
<tr>
<td>S413</td>
<td>2.2:1</td>
<td>5600</td>
<td>10.0</td>
<td>14.0</td>
</tr>
<tr>
<td>S413</td>
<td>3.1:1</td>
<td>8000</td>
<td>20.0</td>
<td>27.0</td>
</tr>
</tbody>
</table>

**Voltage:** 3 Phase, 480V, 60Hz

**Blower:** Reverse inclined high performance blower wheel

**Silencing:** Optional

**Controls:** ePad Digital Controls

**Cabinet Dimensions (HxLxD):**
85” x 49” x 61” not including the Motor

**Weight:** 2320-2910 lbs. (Depending on Options)

**Filter Cartridge:** (6) VB-14D44-13-SF

**Filter Media Area:** 2,604 sq. ft.

**Filter Type:** Nanofiber MERV13

**Filter Cleaning:** Responsive Pulse Controller;
Online, Offline and Maintenance Cleaning Modes.
1” NPT compressed air connection

**Air Monitor:** Included

**Dust Containment:** Dust Tray

**Spark Arrestance:** Optional

**Configuration:** Stand Alone Collector

**Options:**
- Hopper & Short Drum (20 Gal. capacity)
- HSD-S413-6 Adds 40” to height
- Hopper & Long Legs (55 Gal. capacity)
- HLL-S413-6 Adds 59” to height
- Acoustic Silencing in Motor Area (recommended)
- S413-6-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required)
- VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum (required for outdoor installation) — AFP-S413-6
- VFD - Energy Savings — Contact Customer Service

**Warranty:**
Visit ventboss.com/terms for full warranty details.
MODEL

**S414**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A.C. RATIO</th>
<th>CFM @ 8&quot; WG</th>
<th>MOTOR (HP)</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S414</td>
<td>1.6:1</td>
<td>5600</td>
<td>10.0</td>
<td>14.0</td>
</tr>
<tr>
<td>S414</td>
<td>2.3:1</td>
<td>8000</td>
<td>20.0</td>
<td>27.0</td>
</tr>
<tr>
<td>S414</td>
<td>2.9:1</td>
<td>10200</td>
<td>25.0</td>
<td>34.0</td>
</tr>
</tbody>
</table>

**Voltage:** 3 Phase, 480V, 60Hz  
**Blower:** Reverse inclined high performance blower wheel  
**Silencing:** Optional  
**Controls:** ePad Digital Controls  
**Cabinet Dimensions (HxLxD):**  
85” x 49” x 77” not including the Motor  
**Weight:** 3010-4630 lbs. (Depending on Options)  
**Filter Cartridge:** (8) VB-14D44-13-SF  
**Filter Media Area:** 3,472 sq. ft.  
**Filter Type:** Nanofiber MERV13  
**Filter Cleaning:** Responsive Pulse Controller;  
Online, Offline and Maintenance Cleaning Modes.  
1” NPT compressed air connection  
**Air Monitor:** Included  
**Dust Containment:** Dust Tray  
**Spark Arrestance:** Optional  
**Configuration:** Stand Alone Collector  
**Options:**  
- Hopper & Short Drum (20 Gal. capacity)  
  — HSD-S414-8 Adds 48” to height  
- Hopper & Long Legs (55 Gal. capacity)  
  — HLL-S414-8 Adds 67” to height  
- Acoustic Silencing in Motor Area (recommended)  
  — S414-8-FKA  
- Intake Boot — Contact Customer Service  
- Spark Arrestance — Contact Customer Service  
- Explosion Panel — Contact Customer Service  
- Barrel Sensor (Some field wiring required)  
  — VB-BLS-110  
- Other Voltages: 230V or 575V  
- Acoustical Silencer Plenum  
  (required for outdoor installation) — AFP-S414-8  
- VFD - Energy Savings — Contact Customer Service  

**Warranty:**  
Visit ventboss.com/terms for full warranty details.

---

**Series 400 Compact Collectors**

- Optional Hopper & 20 Gallon Drum
- Optional Hopper & 55 Gallon Drum

---

This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2016 RoboVent 05/2016
MODEL
S415

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A/C RATIO</th>
<th>CFM @ 8” WG</th>
<th>MOTOR (HP)</th>
<th>FULL LOAD AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>S415</td>
<td>1.8:1</td>
<td>8000</td>
<td>20.0</td>
<td>27.0</td>
</tr>
<tr>
<td>S415</td>
<td>2.4:1</td>
<td>10200</td>
<td>25.0</td>
<td>34.0</td>
</tr>
<tr>
<td>S415</td>
<td>3.2:1</td>
<td>14000</td>
<td>40.0</td>
<td>52.0</td>
</tr>
</tbody>
</table>

Voltage: 3 Phase, 480V, 60Hz
Blower: Reverse inclined high performance blower wheel
Silencing: Optional
Controls: ePad Digital Controls
Cabinet Dimensions (HxLxD): 85” x 49” x 92”, not including the Motor
Weight: 3690-4310 lbs. (Depending on Options)
Filter Cartridge: (10) VB-14D44-13-SF
Filter Media Area: 4,340 sq. ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: Responsive Pulse Controller; Online, Offline and Maintenance Cleaning Modes. 1” NPT compressed air connection
Air Monitor: Included
Dust Containment: Dust Tray
Spark Arrestance: Optional
Configuration: Stand Alone Collector
Options:
- Hopper & Short Drum (20 Gal. capacity) — HSD-S415-10 Adds 55” to height
- Hopper & Long Legs (55 Gal. capacity) — HLL-S415-10 Adds 74” to height
- Acoustic Silencing in Motor Area (recommended) — S415-10-FKA
- Intake Boot — Contact Customer Service
- Spark Arrestance — Contact Customer Service
- Explosion Panel — Contact Customer Service
- Barrel Sensor (Some field wiring required) — VB-BLS-110
- Other Voltages: 230V or 575V
- Acoustical Silencer Plenum (required for outdoor installation) — AFP-S415-10
- VFD - Energy Savings — Contact Customer Service

Warranty:
Visit ventboss.com/terms for full warranty details.
**MODEL**

**S610/S620**

- **Capacity:** 4000 CFM @ 5 in.W.G.
- **Motor:** 5HP, Direct Drive
- **Voltage:** 3 Phase, 480V, 60Hz
- **Full Load Amps:** 7.6
- **Blower:** Reverse inclined high performance blower wheel
- **Silencing:** Integral Acoustical Plenum with Low Frequency Dampening
- **Controls:** eTech Digital Controls
- **Cabinet Dimensions (HxLxD):**
  - **S610:** 142” x 41” x 41”
  - **S620:** 123” x 41” x 41”
- **Weight:** 1200 lbs.
- **Filter Cartridge:** (2) VB-22D36-13
- **Filter Media Area:** 1116 sq. ft.
- **Filter Type:** Nanofiber MERV13
- **Filter Cleaning:** On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4”NPT compressed air connection
- **Dust Containment:**
  - **S610:** 20 Gallon Drum
  - **S620:** Dust Tray
- **Spark Arrestance:** One Layer, (4) - FB-24242
- **Configurations:**
  - **S610:** With Hopper and Short Drum
  - **S620:** With Dust Tray
- **Options:**
  - CSA Certification — CSA-100
  - UL Certification — Contact Customer Service
  - Other Voltages: 230V or 575V
- **Warranty:** Visit ventboss.com/terms for full warranty details.

---

This product can cover up to 30,000 cubic feet of space and up to 180 pounds of weld wire per week.
Series 700
Hi-Vac Extraction

Model S710

Maximum filter life will be achieved with this product when one or two welders are welding up to 25 pounds of weld wire per week.

Capacity: 200 CFM @ 60 in.W.G.
Motor: 2.5HP, 1500+ Hour Blower
Voltage: Single phase, 110V, 60Hz
Full Load Amps: 30
Blower: High-Vacuum
(NOT for continuous duty)
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: On/Off Switch
Cabinet Dimensions (HxLxD): 36" x 22" x 35"
Weight: 350 lbs.
Filter Cartridge: (1) VB-18D16-13
Filter Media Area: 203 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: Filter manual blow-out port
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: (1) Metal Mesh Screen MM-16202
Configuration: (2) 2-inch Hose Ports
Options:
- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
  - Flared Cone 7" x 10" W — FC-VB
  - Slotted Hood 15" L — ST-VB
  - 2" Pipe with Magnetic Base — GNT-VB

Warranty: Visit ventboss.com/terms for full warranty details.
MODEL
S720

Capacity: 175 CFM @ 80 in.W.G.
Motor: 4HP Single Stage Regenerative Hi-Vac Blower
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 7.6
Blower: High-Vacuum Continuous Duty
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: eTech Digital Controls
Cabinet Dimensions (HxLxD): 67” x 30” x 24”
Weight: 485 lbs.
Filter Cartridge: (1) VB-14D26-13-SF
Filter Media Area: 256 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: Optional
Configuration: (2) 2-inch Hose Ports
Options:
• 2 inch Hose 15 feet long — PP-2-HPH15
• Intake Attachments:
  - Flared Cone 7” x 10” W — FC-VB
  - Slotted Hood 15” L — ST-VB
  - 2” Pipe with Magnetic Base — GNT-VB
• Hopper Short Drum (5 Gallon capacity) — HLL-S720
• Spark Arrestance — SAP-S720
• Additional Silencer — AP-S720
• Other Voltages: 230V or 575V

Warranty: Visit ventboss.com/terms for full warranty details.

Maximum filter life will be achieved with this product when one or two welders are welding up to 50 pounds of weld wire per week.

Airflow Capacity Chart:
MODEL

S730

Maximum filter life will be achieved with this product when up to four welders are welding up to 100 pounds of weld wire per week.

Capacity: 350 CFM @ 80 in.W.G.
Motor: 10HP Single Stage Regenerative Hi-Vac Blower
Voltage: 3 Phase, 480V, 60Hz
Full Load Amps: 14.0
Blower: High-Vacuum Continuous Duty
Silencing: Integral Acoustical Plenum with Low Frequency Dampening
Controls: eTech Digital Controls
Cabinet Dimensions (HxLxD): 92” x 30” x 29”
Weight: 850 lbs.
Filter Cartridge: (1) VB-14D36-13-SF
Filter Media Area: 354 sq.ft.
Filter Type: Nanofiber MERV13
Filter Cleaning: On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4”NPT compressed air connection
Dust Containment: Vacuum / sweep out filter plenum
Spark Arrestance: Optional
Configuration: (4) 2-inch Hose Ports
Options:
- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
  - Flared Cone 7” x 10” W — FC-VB
  - Slotted Hood 15” L — ST-VB
  - 2” Pipe with Magnetic Base — GNT-VB
- Hopper Short Drum (5 Gallon capacity) — HLL-S730
- Spark Arrestance — SAP-S730
- Additional Silencer — AP-S730
- Other Voltages: 230V or 575V

Warranty:
Visit ventboss.com/terms for full warranty details.

Airflow Capacity Chart:
**MODEL**

**S740**

Maximum filter life will be achieved with this product when up to six welders are welding up to 150 pounds of weld wire per week.

---

**Capacity:** 550 CFM @ 80 in. W.G.

**Motor:** 15HP Single Stage Regenerative Hi-Vac Blower

**Voltage:** 3 Phase, 480V, 60Hz

**Full Load Amps:** 21.0

**Blower:** High-Vacuum Continuous Duty

**Silencing:** Integral Acoustical Plenum with Low Frequency Dampening

**Controls:** eTech Digital Controls

**Cabinet Dimensions (HxLxD):** 92" x 45" x 30"

**Weight:** 1140 lbs.

**Filter Cartridge:** (2) VB-14D36-13-SF

**Filter Media Area:** 708 sq.ft.

**Filter Type:** Nanofiber MERV13

**Filter Cleaning:** On board compressed air tank, both manual and automatic pulse cleaning setting, 3/4” NPT compressed air connection

**Dust Containment:** Vacuum / sweep out filter plenum

**Spark Arrestance:** Optional

**Configuration:** (6) 2-inch Hose Ports

**Options:**
- 2 inch Hose 15 feet long — PP-2-HPH15
- Intake Attachments:
  - Flared Cone 7” x 10” W — FC-VB
  - Slotted Hood 15” L — ST-VB
  - 2” Pipe with Magnetic Base — GNT-VB
- Hopper Short Drum (5 Gallon capacity) — HLL-S740
- Spark Arrestance — SAP-S740
- Additional Silencer — AP-S740
- Other Voltages: 230V or 575V

**Warranty:**
Visit ventboss.com/terms for full warranty details.

---

**Airflow Capacity Chart:**

---

**855.558.VENT • VENTBOSS.COM**

---

This system is covered by one or more of the following patents: #6,758,875; #4,610,704 and other patents pending. Due to continued engineering, all specifications are subject to change without notice. ©2016 RoboVent 05/2016
HOOD SYSTEM

HS10 | FASCIA
Perimeter Frame, 120in (10ft) long, trim to size as needed.

HS20 | FASCIA JOINER
36" long, predrilled tek screw holes, connects 2 lengths of Fascia together, for straight sides over 120".

HS30 | CORNER
Connects Fascia pieces at 90°, predrilled tek screw holes.

HS40 | SUPPORT RIB
Spans across cell, 288" (24ft) long, trim to size as needed, screws to Fascia, supports the edges of the Polygal Sheeting.

HS50 | POLYGAL SHEETING
Twin Wall translucent polycarbonate sheeting lets plant light through, sheet size 24" x 288", cut to size as required, fastens to Fascia and Support Ribs with tek screws and washers.

HS60 | DUCT CONNECTION
Screws onto PolyGal Sheeting, supported by Fascia and Support Ribs, 33" x 33", suits duct up to 24" diameter, includes spark baffle plate, attached on threaded rod standoffs.

HS70 | HARDWARE KIT
Fastener and hardware kit for assembling hood system.

HS80/90/100 | CURTAIN
Weld Curtain, screws to bottom lip of Fascia with tek screws and washers, cut to size as required, necessary to infill area between Hood Roof and top of guarding, to retain generated smoke within the cell area to be captured by the connected ventilation equipment.

HS110 | POST EXTENSION
36" high, trim to length where needed, fits into 2" x 2" standard guarding support post, screws into Fascia.

HS120 | POST
To support hood without mounting on existing guarding, 120" (10ft) high, trim to length as needed, 4 bolts through base plate to anchor to floor.
### Fume Arms

#### Hanging Version

<table>
<thead>
<tr>
<th>Model #</th>
<th>Length “L” (ft)</th>
<th>Diameter (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-FH-607</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>VB-FH-610</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>VB-FH-614</td>
<td>14</td>
<td>6</td>
</tr>
<tr>
<td>VB-FH-807</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>VB-FH-810</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>VB-FH-814</td>
<td>14</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Standing Version

<table>
<thead>
<tr>
<th>Model #</th>
<th>Length “L” (ft)</th>
<th>Diameter (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-607</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>VB-610</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>VB-614</td>
<td>14</td>
<td>6</td>
</tr>
<tr>
<td>VB-807</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>VB-810</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>VB-814</td>
<td>14</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Work Ranges

<table>
<thead>
<tr>
<th>Model #</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Dia. Of Arm</th>
<th>Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-FH-610/ VB-FH-810</td>
<td>86</td>
<td>113</td>
<td>36</td>
<td>122</td>
<td>6’</td>
<td>615-800</td>
</tr>
<tr>
<td>VB-FH-614/ VB-FH-814</td>
<td>107</td>
<td>133</td>
<td>50</td>
<td>146</td>
<td>8’</td>
<td>860-1100</td>
</tr>
</tbody>
</table>

#### Recommended Air Flow:

<table>
<thead>
<tr>
<th>Model #</th>
<th>A (in)</th>
<th>B (in)</th>
<th>C (in)</th>
<th>D (in)</th>
<th>Dia. Of Arm</th>
<th>Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-FR-610/ VB-FR-810</td>
<td>111</td>
<td>82</td>
<td>16</td>
<td>119</td>
<td>8’</td>
<td>860-1100</td>
</tr>
<tr>
<td>VB-FR-614/ VB-FR-814</td>
<td>133</td>
<td>100</td>
<td>22</td>
<td>143</td>
<td>8’</td>
<td>860-1100</td>
</tr>
</tbody>
</table>
### Articulated Extension Booms

#### Single Articulated Extension Booms

<table>
<thead>
<tr>
<th>Model #</th>
<th>Dia Duct &quot;Y&quot;</th>
<th>Arm Length</th>
<th>Dim &quot;X&quot;</th>
<th>Recommended Airflow (CFM)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-BA-0608</td>
<td>6&quot;</td>
<td>8’</td>
<td>8’</td>
<td>615-800</td>
<td>260</td>
</tr>
<tr>
<td>VB-BA-0610</td>
<td>6&quot;</td>
<td>10’</td>
<td>10’</td>
<td>615-800</td>
<td>275</td>
</tr>
<tr>
<td>VB-BA-0612</td>
<td>6&quot;</td>
<td>12’</td>
<td>12’</td>
<td>615-800</td>
<td>300</td>
</tr>
<tr>
<td>VB-BA-0808</td>
<td>8&quot;</td>
<td>8’</td>
<td>8’</td>
<td>860-1100</td>
<td>270</td>
</tr>
<tr>
<td>VB-BA-0810</td>
<td>8&quot;</td>
<td>10’</td>
<td>10’</td>
<td>860-1100</td>
<td>285</td>
</tr>
<tr>
<td>VB-BA-0812</td>
<td>8&quot;</td>
<td>12’</td>
<td>12’</td>
<td>860-1100</td>
<td>310</td>
</tr>
<tr>
<td>VB-BA-1010</td>
<td>10’</td>
<td>10’</td>
<td>10’</td>
<td>1200-1600</td>
<td>295</td>
</tr>
<tr>
<td>VB-BA-1012</td>
<td>10’</td>
<td>12’</td>
<td>12’</td>
<td>1200-1600</td>
<td>320</td>
</tr>
</tbody>
</table>

**Note:** Other diameters are available.

**Application:** Use with fume extraction arms, pivoting extension arm, exhaust extraction

#### Double Articulated Booms

<table>
<thead>
<tr>
<th>Model #</th>
<th>Dia Duct &quot;Y&quot;</th>
<th>Arm Length</th>
<th>Dim &quot;X&quot;</th>
<th>Recommended Airflow (CFM)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>VB-BDA-0612</td>
<td>6&quot;</td>
<td>12’</td>
<td>180’</td>
<td>260’</td>
<td>305</td>
</tr>
<tr>
<td>VB-BDA-0812</td>
<td>8’</td>
<td>12’</td>
<td>180’</td>
<td>230’</td>
<td>315</td>
</tr>
<tr>
<td>VB-BDA-1012</td>
<td>10’</td>
<td>12’</td>
<td>180’</td>
<td>200’</td>
<td>325</td>
</tr>
</tbody>
</table>

**STANDARD FEATURES:**
- Heavy Duty Tubular Construction
- Finish: Baked Powdercoat Finish
- Smooth 90° Elbow, to reduce static
- Temperature Rating -40 to +250°F
  (higher temperature rating available on request)
- Single and Double Articulating Versions
- Flex Hose to hook-up directly to duct system