

Pick Up Velocity Control

Advanced Blending Solutions has developed a new, innovative solution for getting at the root cause of angel hair and wasted energy. This unique solution controls the speed of a vacuum pump based on the inlet pressure at the pump. This solution allows material to be conveyed at a determined velocity. By controlling the velocity of material flow through a material transport system, angel hair can be reduced and often eliminated altogether. A low cost option can easily upgrade obsolete Sequence Control Panels.

Advanced Blending Solutions manufactures a full line of vacuum convey, blending, gravimetric, and control equipment for the plastics industry. Advanced Blending Solutions also offers a full line of PLC-based controls for gravimetric extrusion control, vacuum sequence control, extruder/die temperature control, and blender control. Advanced Blending Solutions offers PLC-based control retrofits for any blender on the market.

Incentive Rebates Available in Most States.

Visit adv-blend.com/pickup-velocity-calculator.html to



Variable Frequency Drive



Control Panel



Dust Filter Inlet Pressure

Control / Drive

- **Reduce wear and tear on your pump through:**
 - **Soft Start**
 - **Vent to Atmosphere at low speed.**
- **High Vacuum alarm.**
- **Energy Savings (typically 30% or more). Calculate your savings with our [Energy Calculator](#).**
- **Angel Hair reduction or elimination.**
- **Less dust equates to less dust filter maintenance.**
- **Hour meter on pump.**
- **Single VC series controller can control up to 20 pumps.**

Sequence Control

- **Allows different speeds for different materials.**
- **Low cost upgrade option to old obsolete sequence control panels.**
- **Vacuum Draw Pump Speed Memory. System will automatically run pump at last good draw speed.**
- **Vacuum Sequence Control.**

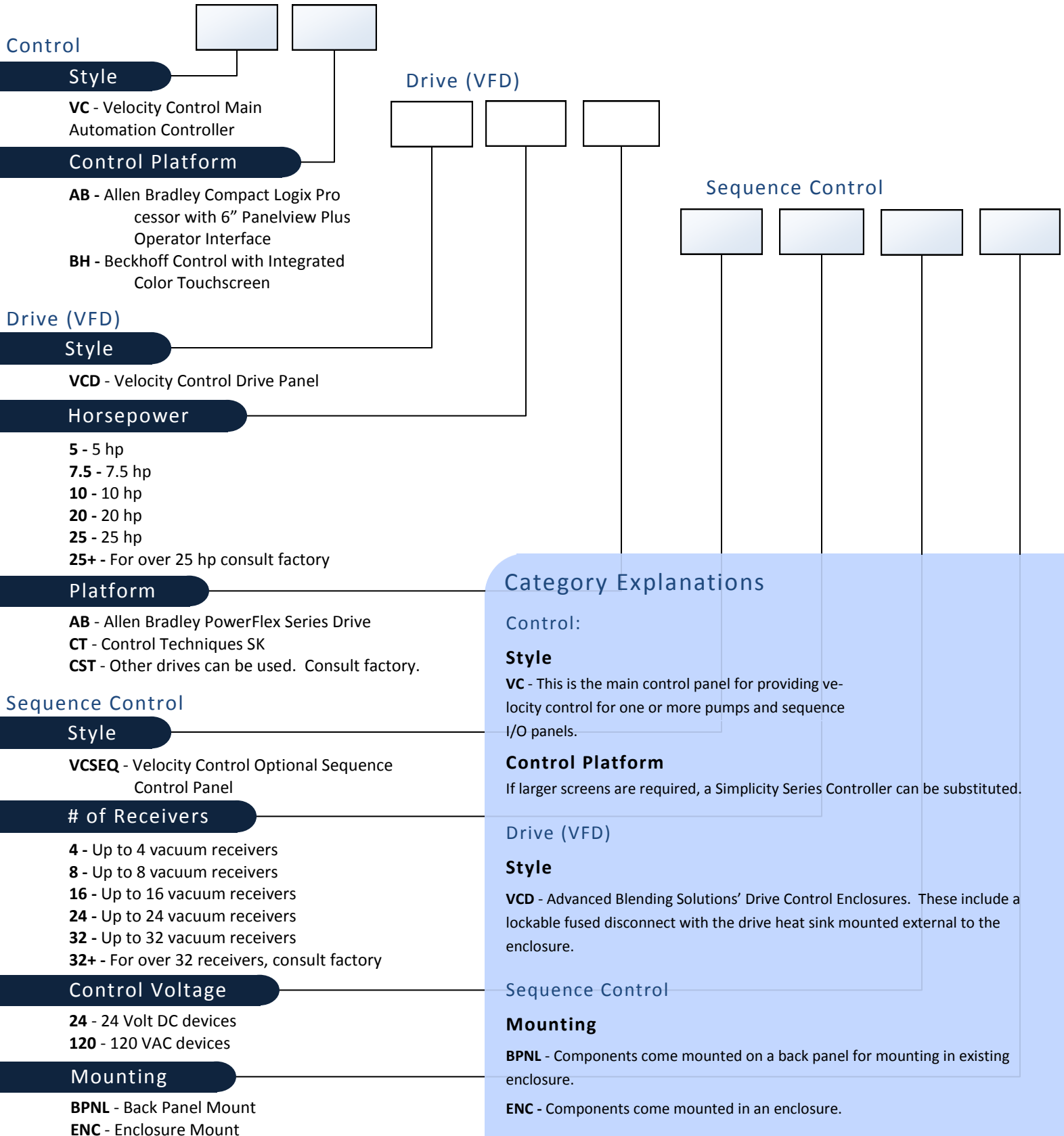
Advanced Blending Solutions

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www.Adv-Blend.com

Ordering Information

Enter in each box the letter or number corresponding to your specifications when ordering.



Category Explanations

Control:

Style

VC - This is the main control panel for providing velocity control for one or more pumps and sequence I/O panels.

Control Platform

If larger screens are required, a Simplicity Series Controller can be substituted.

Drive (VFD)

Style

VCD - Advanced Blending Solutions' Drive Control Enclosures. These include a lockable fused disconnect with the drive heat sink mounted external to the enclosure.

Sequence Control

Mounting

BPNL - Components come mounted on a back panel for mounting in existing enclosure.

ENC - Components come mounted in an enclosure.



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