

STATE-OF-ART HYBRID TECHNOLOGY



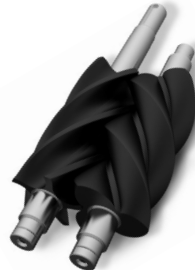
Universal Blower Pac's 3C-HYBRID offers advanced features and state-of-the-art hybrid technology backed by UBP's Performance Promise that our customers rely on year after year.

This compact, customizable, and complete HYBRID blower system is integrated into our most popular 3C-PAC platform.

THREE EFFICIENT SCREW ROTOR PROFILE OPTIONS



3x3 w/ Axial Rotors



3x5 w/ Internal Compression



3x5 Variable Helix w/ Internal Compression

The tri-lobe axial rotor provides lower noise and pulsation dampening for typical pressure applications. The helical five fluted rotor with axial twisted tri-lobe rotor has internal compression for high pressure ratios. The variable helix rotors offer even higher levels of efficiency. These high efficiency, low-noise solutions combined with a stylish sound-attenuating enclosure are a perfect fit for positive displacement blowers and vacuum pump applications.

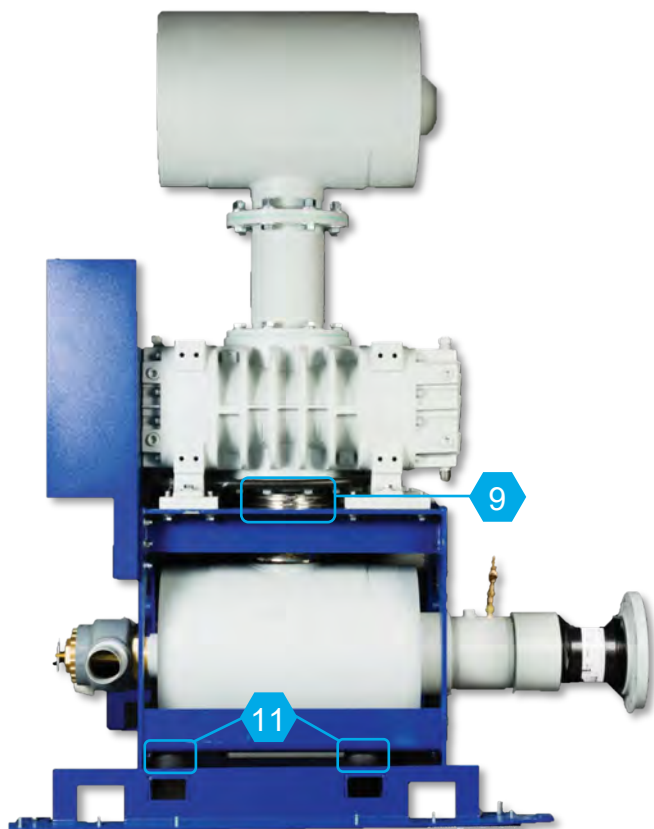
YOUR PAIN	OUR SOLUTION
>> Narrow operating range	>> SAVES ON ENERGY <i>High efficiency across a 5:1 flow range</i>
>> Vibration issue and pipe resonance <i>(lowering blower life and causing noise)</i>	>> LOWER PULSATIONS AND VIBRATIONS <i>Screw Rotor has lower pressure differentials resulting in lower pulsations</i>
>> Blower failures and down time due to heat	>> WIDER TEMPERATURE RANGE UP TO 350 F <i>Blower runs cooler due to more air movement across twisted impellers</i>
>> Extreme noise level	>> ENCLOSURE + LOWER PULSATIONS (as noted above) <i>Result is lowest noise levels for your operation</i>
>> Failures due to high temperature in enclosure	>> ELECTRICAL FAN SEPARATE FROM MOTOR CONTROLS <i>Our fan runs independent of motor speed and on a thermostat, keeping your system cool at the lowest speeds and through the worst conditions</i>

WHY OUR HYBRID IS DIFFERENT

THE DIFFERENCE. *Universal Blower Pac* uses standardized, American manufactured parts on all systems and equipment.

THE BENEFIT. Lower repair and part replacement costs, ease of interchangeability, less downtime for servicing, less headache.

1. >> **Compact 'plug and play' design with forklift slots** allows for side-by-side installation and optimized spacing while **front and back access panels** keep ease of maintenance in mind.
2. >> All enclosures **suitable for outdoor installation** with starting temperatures as low as -20° F. No space heaters required.
3. >> A separate fan powers **forced air ventilation** which increases blower life, turndown range, and efficiencies by providing cooler air. Enables operation after shutdown to prevent heat spikes
4. >> **Internal junction box** for fan and additional single phase instrumentation options.
5. >> **Internal inlet vent boxes** remove any direct line of noise for superior noise attenuation through engineered foam panels
6. >> Numerous low cost options available for **your choice of circle gauges and instrumentation**.

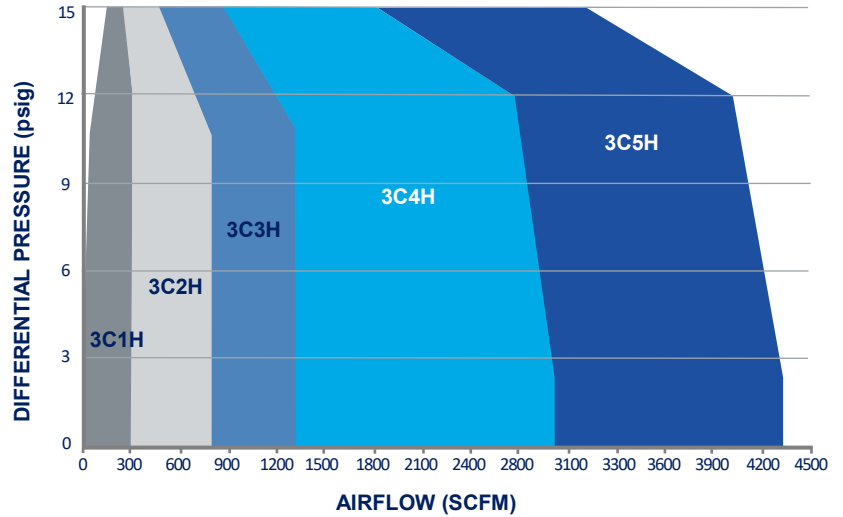


7. >> **Extended oil drain hoses** for easier changes
8. >> **Auto-tension base**
9. >> **Internal flex joints** provided with our systems prevent almost all vibration transmission
- 10.>> **NEMA frame motors** are standard to ensure domestic parts availability. (*Competitors use IEC frame motors*)
- 11.>> **Vibration isolation mounts**
- 12.>> **Unloading valve is not required.** Superior construction materials of blower optimize efficiency, performance and life of compressor. Our compressor can be started under full load to help line purging. Internal lubrication is passive splash, **no oil pump system is required.**

DESIGNED TO MAXIMIZE OPTIONS FOR EFFICIENCY AND COST

Universal Blower Pac's products and systems are designed with the most available options built on our standardized process, which allows for a wide range of customization and optimization that maintains low cost savings. With 3C-HYBRID options as low as 35 SCFM up to 4350 SCFM, you are sure to find the best blower for efficiency and cost for your exact performance demands.

Since 1979, Universal Blower Pac has been leading the market with high efficiency offerings including HYBRID technology. This advanced technology is now offered in a standardized compact platform built on the success and benefits of our 3C-PAC design. Experience improved efficiency, wider turn down and lower noise with maximized flexibility for options and controls. Made and serviced in the USA.



3C-HYBRID Dimensions

3C1H	3C2H	3C3H	3C4H	3C5H
42.5" w	50" w	64" w	80" w	89" w
36" d	46" d	48" d	60" w	87" d
46.5" h	62.5" h	75" h	88" h	99" h



UBPstandardFLEX

UBPstandardFLEX provides you with all the benefits of a standardized system with FLEXibility to choose a variety of add-on options for a more custom solution at a fraction of the cost. Whether it's more instrumentation, VFD controls for advanced automation, or specific valve vendors to match your plant, our 3C-HYBRID can be FLEXed to truly optimize your investment with more cutting edge technology and efficiency without breaking your budget. Email sales@universalblowerpac.com to discuss options.

3C4H pictured w/ VFD Controls for a complete turnkey system



3C-HYBRID FLEXibility:





Scan to view the 3C-HYBRID
video tour and the UBP Global
Installation Map

**CALL THE ONLY SALES ENGINEERS IN THE INDUSTRY
TO FIND HOW STANDARD COSTS MEET HIGH EFFICIENCY**



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