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W+ Series Centrifugal Pumps

Reliability, Efficiency & Product Integrity

- **Advanced design innovations.**
Provides efficiencies and capabilities not available from other pumps.
- **Over 100,000 installed worldwide.**
Proven Performance.
- **Unique APV spiral volute in back plate.**
Eliminates turbulence and reduces NPSH requirements. Reduces noise level by optimizing flow. Reduces shaft loads for longer bearing life.
- **Gently tapering 7° discharge port for best diffusion.**
Optimizes product flow, reduces turbulence and prevents product build-up. Reduces noise, vibration and wear.
- **Advanced, high efficiency impeller design.**
Minimizes turbulence and reduces NPSH requirements at high flow capacities.
- **Dynamically balanced impellers.**
Minimizes vibration and wear.
- **Internal mechanical seal.**
Fully lubricated by product to extend life. Resists damage from hydraulic shock.

Life Cycle Costs

- **Heavy thick-wall pump casing limits stress and deformation.**
Durable and reliable for long service life.
- **304 stainless steel motor adaptor.**
Prevents corrosion and eliminates paint. Reduces maintenance and improves plant appearance.
- **Reduced vibration, accurate shaft alignment and resistance to cavitation extend seal and bearing life.**
Less downtime. Lower maintenance costs.

Maintenance

- **Front-loading seal (single only).**
Easy and fast maintenance. Eliminates need to remove pump from process.
- **Split sleeve impeller shaft with clamping collar.**
Easy to adjust clearance between impeller and casing.
- **Self-aligning collar.**
Assures shafts run true to extend seal and bearing life. Easy to install.
- **Simple impeller gapping procedure.**
Assures correct clearances for best performance.



Cleanability

- **Shaft seal spring outside the process.**
Maximum hygienic operation (maintains cleanliness).
- **Circular pump casing.**
Provides strength and ease of cleaning.

Wi+ Inducer Options

- **The inducer option provides a built in “booster pump” feeding the impeller.**
Reduces the NPSH requirement by 50-70%. Handles higher viscosity products more efficiently (up to 1,000 cp). Improves the ability of the pump to handle liquids with entrained air.
- **Optional on 14 models.**
Highly engineered APV inducer improves performance.



Features and Benefits

- **16 basic models with many variants and options to meet specific application requirements.**

The flexible W+ design and many options is ideal for nearly any hygienic application (max. viscosity less than 1000cP).

- **Easy to install mechanical seal with only two sizes.**

Reduces inventory and maintenance costs.

- **Standard seal is silicon carbide rotating face and carbon stationary.**

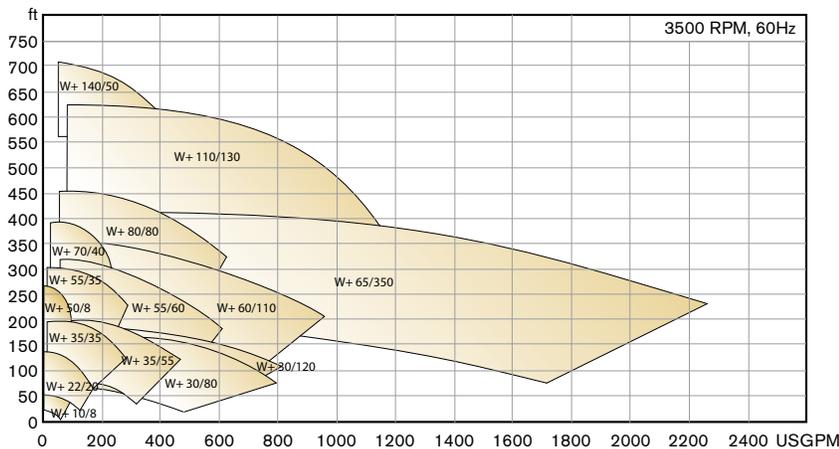
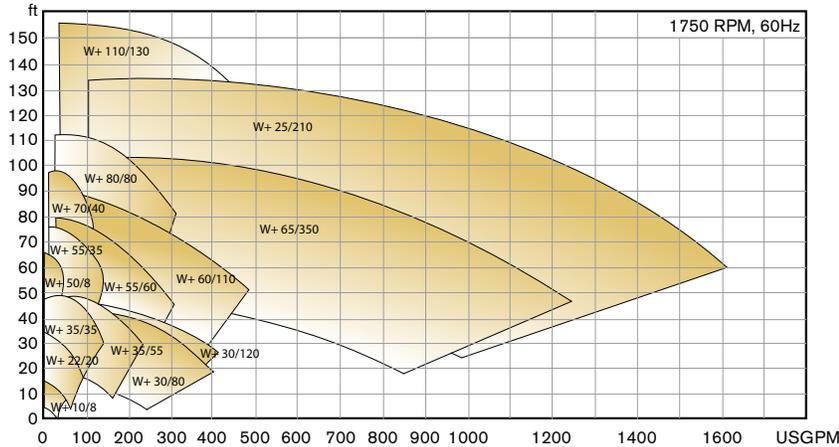
Durable solution for most applications. (Silicon Carbide on Silicon Carbide also available).

- **SS 316L product-wetted parts.**

Meets all hygienic standards.

- **3-A and EHEDG approved.**

Verified effective CIP cleanability. Meets sanitary standards.



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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.apv.com or www.spxft.com.

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