APV®

PHARMACEUTICAL W+ MODEL

CENTRIFUGAL PUMPS



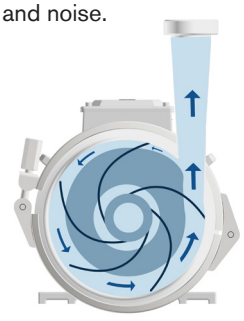
Hygienic Excellencefor Critical Applications

The APV® W+ Pharmaceutical model centrifugal pump is specifically engineered to meet the stringent hygienic requirements of the pharmaceutical and biotech industries. Designed for ultra-hygienic operation it supports both CIP (Cleaning-In-Place) and SIP (Sterilizing-In-Place). All wetted parts are electropolished to Ra<0.38µm, in compliance with GMP requirements and the pump is equipped with a drain port to enhance cleanability and drain ability.

The W+ Pharmaceutical model is Compliant 3-A sanitary design standards and are 3.1certified according to DIN EN 10204.



Engineered for reliability, gentle product handling, high efficiency and low NPSHr, the APV® W+ Pharmaceutical Pump is ideal for a wide range of pharmaceutical processes, including producing water for injection (WFI), purified water and de-mineralized water etc. Its high efficiency impellers featuring APV's innovation spiral volute on the backplate ensures maximum efficiency, less flow turbulence and minimum vibration and noise.



Innovative Spiral Volute

Features and Specifications:

- **Maximum flow capacity:** up to 80 m^3/ hour
- **Self-priming pump:** Ws+ is available for CIP return applications.
- **Wetted surface finish:** Ra<0.38µm (mechanical and electropolished)
- **Shaft seal:** Standard and custom options, including self-sintered SiC with free Graphite option for WFI.
- **Elastomer:** EPDM, USP class VI, rated to 121°C
- **Drain port:** $^1/_2$" clamp connection for drain valve (drain valve NOT included)
- **Pump outlet:** Standard vertical or rotated 45° left
- **Motor options:** Standard and explosion-proof options
- Additional configurations available upon request

DOCUMENTATION:

- 3.1- EN10204 certificate (wetted parts)
- Surface finish measurement report (wetted parts)
- Electropolishing and passivation certificate (referencing sales order number)
- Product wetted elastomers to USP Class VI
- FDA compliant
- 3-A certification
- EHEDG certification (selected model)

SPXFLOW®

SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. The green "›" is a trademark of SPX FLOW, Inc.

For more information, visit www.spxflow.com/apv.

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