SPX FLOW, Inc. (NYSE:FLOW) is a leading manufacturer of innovative flow technologies, many of which help define the industry standard in the market segments they serve. From its headquarters in Charlotte, North Carolina, it operates a sales and support network, centers of manufacturing excellence, and advanced engineering facilities, throughout the world. Its cutting-edge flow components and process equipment portfolio includes a wide range of pumps, valves, heat exchangers, mixers, homogenizers, separators, filters, UHT, and drying technology that meet many application needs. Its expert engineering capability also makes it a premium supplier of customized solutions and complete, turn-key packages to meet the most exacting of installation demands.

Incorporating many leading brands, SPX FLOW has a long history of serving the food and beverage, power and energy, and industrial market sectors. Its designs and engineered solutions help customers drive efficiency and productivity, increase quality and reliability, and meet the latest regulatory demands. In-depth understanding of applications and processes, state-of-the-art Innovation Centers, and advanced pilot/testing technology further assist in optimizing processes and reducing timescales to reliably meet production targets.

To learn more about SPX FLOW capabilities, its latest technology innovations and complete service offerings, please visit www.spxflow.com.

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W+ SERIES MODEL W+10/8 CENTRIFUGAL PUMP CAPACITY CURVE
1.5" INLET - 1" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 4.3"
Performance data refer to water at 68°F
Provisional
W+ SERIES MODEL W+22/20 CENTRIFUGAL PUMP CAPACITY CURVE
2" INLET - 2" OUTLET, 1450 RPM, 50 Hz

NOTE:

Impeller dia: Max: 5.6" - Low Flow Impeller
Performance data refer to water at 68°F
Provisional
W+ SERIES MODEL W+22/20 CENTRIFUGAL PUMP CAPACITY CURVE
2” INLET - 2” OUTLET, 2900 RPM, 50 Hz

NOTE: 

Impeller dia: Max: 5.6” - Low Flow Impeller
Performance data refer to water at 68°F
Provisional
W+ SERIES MODEL W+22/20 CENTRIFUGAL PUMP CAPACITY CURVE
2" INLET - 2" OUTLET, 1450 RPM, 50 Hz

NOTE: Impeller dia: Max: 5.6"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+22/20 CENTRIFUGAL PUMP CAPACITY CURVE
2" INLET - 2" OUTLET, 2900 RPM, 50 Hz

NOTE:
Impeller dia: Max: 5.6"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+25/210 CENTRIFUGAL PUMP CAPACITY CURVE
6" INLET - 4" OUTLET, 1450 RPM, 50 Hz

NOTE: Impeller dia: Max: 11.4"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

- Pressure head
- Power consumption
- NPSH required

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W+ SERIES MODEL W+30/80 CENTRIFUGAL PUMP CAPACITY CURVE
4" INLET - 3" OUTLET, 1450 RPM, 50 Hz

NOTE: Impeller dia: Max: 6.7"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

Pressure head

Power consumption

NPSH required
NOTE: Impeller dia: Max: 6.7"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
NOTE: Impeller dia: Max: 6.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+30/120 CENTRIFUGAL PUMP CAPACITY CURVE
4" INLET - 3" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 6.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

Impeller dia: Max: 6.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+35/35 CENTRIFUGAL PUMP CAPACITY CURVE
2.5" INLET - 2" OUTLET, 1450 RPM, 50 Hz

NOTE: Impeller dia: Max: 6.9" - Low Flow Impeller
Performance data refer to water at 68°F
Provisional
W+ SERIES MODEL W+35/35 CENTRIFUGAL PUMP CAPACITY CURVE
2.5” INLET - 2” OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 6.9” - Low Flow Impeller
Performance data refer to water at 68°F
Provisional
NOTE: Impeller dia: Max: 6.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+35/35 CENTRIFUGAL PUMP CAPACITY CURVE
2.5" INLET - 2" OUTLET, 2900 RPM, 50 Hz

NOTE: 
Impeller dia: Max: 6.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+35/55 CENTRIFUGAL PUMP CAPACITY CURVE
3" INLET - 2.5" OUTLET, 1450 RPM, 50 Hz

NOTE:

Impeller dia: Max: 7.1"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
NOTE: Impeller dia: Max: 7.1"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
NOTE: Impeller dia: Max: 7.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+50/8 CENTRIFUGAL PUMP CAPACITY CURVE
1.5" INLET - 1" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 7.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

Pressure head

Power consumption

NPSH required
W+ SERIES MODEL W+55/35 CENTRIFUGAL PUMP CAPACITY CURVE
2.5" INLET - 1.5" OUTLET, 1450 RPM, 50 Hz

NOTE: Impeller dia: Max: 8.3"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

Pressure head (ft) vs. USGPM
Power consumption (hp) vs. USGPM
NPSH required (ft) vs. USGPM
NOTE: Impeller dia: Max: 8.3"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+55/60 CENTRIFUGAL PUMP CAPACITY CURVE
3" INLET - 2" OUTLET, 1450 RPM, 50 Hz

NOTE: Impeller dia: Max: 8.7"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

- Pressure head
- Power consumption
- NPSH required

- Impeller dia: Max: 8.7"
- Permissible tolerance ± 5%
**W+ SERIES MODEL W+55/60 CENTRIFUGAL PUMP CAPACITY CURVE**

3" INLET - 2" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 8.7"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
**W+ SERIES MODEL W+60/110 CENTRIFUGAL PUMP CAPACITY CURVE**

**4" INLET - 3" OUTLET, 1450 RPM, 50 Hz**

**NOTE:**

Impeller dia: Max: 9.1"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

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**Pressure head**

- 60 ft
- 50 ft
- 40 ft
- 30 ft
- 20 ft
- 10 ft

**Power consumption**

- 9.1"
- 8.7"
- 8.3"
- 7.9"
- 7.5"
- 7.1"
- 6.7"
- 6.3"

**NPSH required**

- 9.1"
W+ SERIES MODEL W+60/110 CENTRIFUGAL PUMP CAPACITY CURVE
4" INLET - 3" OUTLET, 2900 RPM, 50 Hz

NOTE: ____________________________________________________________________________
__________________________________________________________________________________

Impeller dia: Max: 9.1"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

---

**Pressure head**

- 5.1"
- 6.7"
- 8.3"
- 9.1"
- 9.1"
- 8.7"
- 8.3"
- 7.9"
- 7.5"
- 7.1"
- 6.7"
- 6.3"
- 6.3"
- 6.3"
- 6.3"
- 6.7"
- 7.1"
- 7.5"
- 8.3"
- 9.1"

**Power consumption**

- 0 HP
- 10 HP
- 20 HP
- 30 HP
- 40 HP
- 50 HP
- 60 HP
- 70 HP
- 80 HP
- 90 HP

**USGPM**

- 0 USGPM
- 100 USGPM
- 200 USGPM
- 300 USGPM
- 400 USGPM
- 500 USGPM
- 600 USGPM
- 700 USGPM

**NPSH required**

- 0 ft
- 10 ft
- 20 ft
- 30 ft

---

**Inducer**
NOTE: 

Impeller dia: Max: 10.2" 
Performance data refer to water at 68°F 
Permissible tolerance ± 5% 

W+ SERIES MODEL W+65/350 CENTRIFUGAL PUMP CAPACITY CURVE
6" INLET - 4" OUTLET, 1450 RPM, 50 Hz
**W+ SERIES MODEL W+65/350 CENTRIFUGAL PUMP CAPACITY CURVE**

6" INLET - 4" OUTLET, 2900 RPM, 50 Hz

**NOTE:**

- Impeller dia: Max: 10.2"
- Performance data refer to water at 68°F
- Permissible tolerance ± 5%

---

**Pressure head**

- 10.2" 9.8" 9.4" 9.1" 8.7" 8.3" 7.9" 7.5"

**Power consumption**

- 100 90 80 70 60 50 40 30 20 10

**NPSH required**

- 25" 10.2"
NOTE: Impeller dia: Max: 9.4"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+70/40 CENTRIFUGAL PUMP CAPACITY CURVE
2.5" INLET - 1.5" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 9.4"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

Pressure head

Power consumption

NPSH required
**NOTE:**

- Impeller dia: Max: 10.0"  
- Performance data refer to water at 68°F  
- Permissible tolerance ± 5%
W+ SERIES MODEL W+80/80 CENTRIFUGAL PUMP CAPACITY CURVE
3" INLET - 2" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 10.0"
Performance data refer to water at 68°F
Permissible tolerance ± 5%

Performance data refer to water at 68°F
Permissible tolerance ± 5%
NOTE: 
Impeller dia: Max: 11.4" 
Performance data refer to water at 68°F 
Permissible tolerance ± 5%
W+ SERIES MODEL W+110/130 CENTRIFUGAL PUMP CAPACITY CURVE
4" INLET - 3" OUTLET, 2900 RPM, 50 Hz

NOTE: Impeller dia: Max: 11.4"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+140/50 2-STAGES CENTRIFUGAL PUMP CAPACITY CURVE
3" INLET - 2" OUTLET, 2950 RPM, 50 Hz

NOTE: 

Impeller dia: Max: 7.9"
Performance data refer to water at 68°F
Permissible tolerance ± 5%
W+ SERIES MODEL W+140/50 3-STAGES CENTRIFUGAL PUMP CAPACITY CURVE
3" INLET - 2" OUTLET, 2950 RPM, 50 Hz

NOTE: ________________________________ Impeller dia: Max: 7.9"
____________________________________ Performance data refer to water at 68°F
____________________________________ Permissible tolerance ± 5%

- Pressure head
- Power consumption
- NPSH required
Sanitary Centrifugal Pumps

W+ SERIES

- 50HZ CURVE BOOK

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. For more information visit www.spxflow.com.

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