

# Aqua Jet Water Pressure Systems

WATER PRESSURE SYSTEMS, WASH DOWN



At the heart of SPX Johnson Pump water pressure systems you will find our Aqua Jet pumps. Quiet and pulsation-free even at low speeds, the Aqua Jet five chamber diaphragm pump provides the perfect water pressure or wash down solution for mobile homes, campers, summer homes and boats.

Efficient and compact, Aqua Jet pumps are particularly suitable where low amperage and sound levels in relation to water flow are placed at a premium - such as in shower and kitchen applications. Compared to conventional three or four-chamber diaphragm pumps, the Aqua Jet demonstrates dramatically lower noise and water pulsation characteristics. Integrated pressure switch for automatic operation. It is recommended to install the Aqua Jet-pumps with an accumulator tank. Always use a PUMProtector inlet strainer before the pump intake.

Based in Charlotte, North Carolina, SPX is a multi-industry manufacturing company with operations in more than 35 markets worldwide, approximately \$5 billion in annual revenue and more than 14,000 employees.

SPX's innovative, world-class products and highly-engineered solutions are helping to meet the needs of a constantly developing world and growing global population. You'll find our innovative solutions in everything from dairy plants and power plants to oil and gas pipelines, the power grid and bus fare collection systems. SPX is really everywhere you look.

We help our customers around the globe expand and enhance their food and beverage, power and energy and industrial production processes.

## AQUA JET FEATURES

- Quiet operation
- Smooth flowing
- Self priming
- Integrated pressure switch turns pump on and off automatically when tap is opened and closed
- Dry running without damage
- Built-in by-pass valve which reduces the need for storage tank (only WPS 3.5)
- Built-in thermal protection
- Low power consumption
- Quick disconnect fittings

## 5 DIFFERENT MODELS; 12 V OR 24 V



MODEL	MOTOR	ORDER NO.	CAPACITY	PRESSURE CUT OFF *	FUSE SIZE	CONNECTION **
<b>WPS 2.4</b>	85 W 12V OR 24V	10-24604-03 12V 10-24604-04 24V	9 L/MIN (2.4 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/8" BSP / HOSE 1/2"
<b>WPS 2.9</b>	85 W 12V OR 24V	10-13405-03 12V 10-13405-04 24V	11 L/MIN (2.9 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/8" BSP / HOSE 1/2", 1/2" BSP / HOSE 3/4"
<b>WPS 3.5</b>	85 W 12V OR 24V	10-13395-03 12V 10-13395-04 24V	13 L/MIN (3.5 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/8" BSP / HOSE 1/2", 1/2" BSP / HOSE 3/4"
<b>WPS 4.0</b>	100 W 12V OR 24V	10-13406-03 12V 10-13406-04 24V	15 L/MIN (4.0 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/8" BSP / HOSE 1/2", 1/2" BSP / HOSE 3/4"
<b>WPS 5.2</b>	150 W 12V OR 24V	10-13406-07 12V 10-13406-08 24V	20 L/MIN (5.2 GPM)	2.8 BAR (41 PSI)	15 A (12 V) 8 A (24 V)	3/8" BSP / HOSE 1/2", 1/2" BSP / HOSE 3/4"

\* Cut off pressure 2.1 bar (30 psi) and 1.4 bar (20 psi) available on request

\*\* NPT-connections available on request

## ALSO AVAILABLE AS COMPACT, ALL-IN-ONE UNITS

Including PUMProtector inlet strainer and a 2 liter prepressurized accumulator tank



**Aqua Jet Uno Max WPS 2.9 & 3.5**  
Medium demand unit with single Aqua Jet WSPump. Capacity 11 l/min or 13 l/min. Mounted on wooden panel.

**Aqua Jet Uno WPS 3.5 & 5.2**  
Medium demand unit with single Aqua Jet WSPump with a capacity of 13 l/min or 20 l/min.

**Aqua Jet Duo WPS 10.4**  
High demand unit with two parallel-connected Aqua Jet WSPumps with a capacity of 40 l/min.

MODEL	ORDER NO.	CAPACITY	PRESSURE CUT OFF*	FUSE SIZE	CONNECTION **
<b>WPS UNO MAX 2.9</b>	10-13410-01 12V 10-13410-02 24V	11 L/MIN (2.9 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/4" HOSE
<b>WPS UNO MAX 3.5</b>	10-13411-01 12V 10-13411-02 24V	13 L/MIN (3.5 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/4" HOSE
<b>WPS UNO 3.5</b>	10-13408-01 12V 10-13408-02 24V	13 L/MIN (3.5 GPM)	2.8 BAR (41 PSI)	10 A (12 V) 5 A (24 V)	3/4" HOSE
<b>WPS UNO 5.2</b>	10-13408-03 12V 10-13408-04 24V	20 L/MIN (5.2 GPM)	2.8 BAR (41 PSI)	15 A (12 V) 8 A (24 V)	3/4" HOSE
<b>WPS DUO 10.4</b>	10-13409-01 12V 10-13409-02 24V	40 L/MIN (10.4 GPM)	2.8 BAR (41 PSI)	25 A (12 V) 15 A (24 V)	3/4" HOSE

# Typical product applications

## VARIABLE FLOW

### AQUA JET FLOWMASTER WPS 5.0

The whisper quiet Flow Master 5.0 incorporates state-of-the-art electronics to automatically control pump speed. The digital controller adjusts water flow as the demand is increased and decreased while maintaining a very smooth flow. The unique variable flow feature of the Flow Master pump allows the pump to be mounted without an accumulator tank and still maintain an even flow regardless if one or multiple taps are being used.



#### WATER PRESSURE SYSTEMS

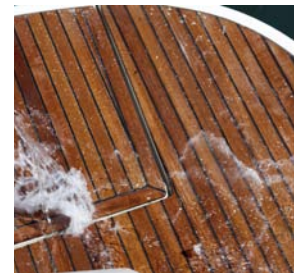
12V or 24V water pressure systems for busses, trains, recreational vehicles, leisure boats and summer homes

MODEL	ORDER NO.	CAPACITY	PRESSURE CUT OFF *	FUSE SIZE	CONNECTION **
<b>FLOW MASTER 5.0</b>	10-13329-03 12V	19 L/MIN (5 GPM)	3.5 BAR (50 PSI)	15 A (12 V)	3/8" BSP / HOSE 1/2"
	10-13329-04 24V			8 A (24 V)	1/2" BSP / HOSE 3/4"

## AQUA JET WASH DOWN SYSTEMS

The quiet and pulsation-free Aqua Jet five-chamber diaphragm wash down pumps from SPX, Johnson Pump brand, provide the perfect wash down solution for cleaning recreational equipment. With a higher pressure of up to 5 bar, clean-up is faster and easier than ever before.

Complete with trigger nozzle, PUMProtector inlet strainer and hose connections for 1/2" hose. Both BSP and NPT connections included.



#### EQUIPMENT AND DECK WASHDOWN

12V or 24V washdown pumps for cleaning recreational equipment and boat decks

### 3 DIFFERENT MODELS; 12 V OR 24 V

MODEL	MOTOR	ORDER NO.	CAPACITY	PRESSURE CUT OFF	FUSE SIZE	CONNECTION
WDS 2.9	90 W	10-24728-03 12V	11 L/MIN (2.9 GPM)	2.8 BAR (41 PSI)	10 A (12 V)	3/8" BSP / HOSE 1/2"
	12V OR 24V	10-24728-04 24V			5 A (24 V)	
WDS 3.5	120 W	10-13399-03 12V	13 L/MIN (3.5 GPM)	5 BAR (70 PSI)	15 A (12 V)	3/8" BSP / HOSE 1/2"
	12V OR 24V	10-13399-04 24V			8 A (24 V)	
WDS 5.2	185 W	10-13407-07 12V	20 L/MIN (5.2 GPM)	5 BAR (70 PSI)	20 A (12 V)	3/8" BSP / HOSE 1/2"
	12V OR 24V	10-13407-08 24V			10 A (24 V)	

# Aqua Jet Water Pressure Systems



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Wash Down

## WATER PRESSURE SYSTEMS ACCESSORIES



Universal Strainer



Inlet Strainer



### PUMPROTECTOR™ STRAINER

The PUMProtector™ Universal and Inlet strainers from SPX Johnson Pump prevent debris and other particles from damaging the pump or passing through the system to the final outlet. They also make your life simpler.

Both of these strainers feature transparent covers for simple inspection, a wide variety of KlickTite™ port connectors for simple installation and removal, and high quality materials for simple maintenance. The design and connectors make it possible to remove the entire unit for thorough cleaning wherever it's most convenient. We recommend 40 mesh for water pressure and wash down pumps and 20 mesh for general purpose pumps.

### ACCUMULATOR TANK

With an accumulator tank incorporated in the system, the intervals between cut-in and cut-out will be longer when only small amounts of water are drawn off. Less wear and tear on the pump with fewer starts and stops.

The accumulator tank is pre-charged to 0.8 bar. Capacity 2 liters. maximum operating pressure 12 bar. It prolongs pump life and is also easy to fit to new or existing systems.

MODEL	MESH SIZE	ORDER NO.	MAX. LIQUID TEMP.	MAX. TEMP. FOR DRINKING WATER	KLICKTITE™ CONNECTOR
UNIVERSAL	40	09-24652-01	50°C (120°F)	30°C (85°F)	2x 1/2" HOSE / 3/8" BSP, 2x 3/4" HOSE / 1/2" BSP
	20	09-24652-03			
INLET	40	09-24653-01	50°C (120°F)	30°C (85°F)	BUILT-IN KLICKTITE 1x 1/2" HOSE / 3/8" BSP, 1x 3/4" HOSE / 1/2" BSP
INLET	40	09-24653-03	50°C (120°F)	30°C (85°F)	BUILT-IN KLICKTITE, BULK PACK W/O CONNECTERS

MODEL	ORDER NO.	CONNECTION
ACC. TANK	09-46839-01	1/2" HOSE
ACC. TANK	09-46839-02	3/4" HOSE



### INLINE STRAINER

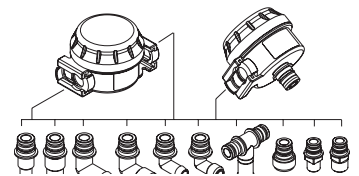
The Inline Strainer is recommended to be installed together with water pressure pumps to protect the pump from impurities. It is easy to disassemble for cleaning.

ORDER NO.	CONNECTION
48-80035	1/2" HOSE
48-80036	3/4" HOSE

### KLICKTITE™ PORT CONNECTOR ACCESSORIES

KlickTite™ port connectors are available for virtually any hose diameter and make it possible to remove the entire unit for thorough cleaning wherever it's most convenient. They also make it possible to drain the system quickly for effortless winterizing without the use of any tools.

ORDER NO.	KLICKTITE™ CONNECTOR	PCS/PACKAGE
09-46783	2x 1/2" HOSE AND 3/8" BSP	2
09-46784	2x 3/4" HOSE AND 1/2" BSP	2
09-46939	2x 90°, 3/4" HOSE	2
09-47087	2x 90°, 1/2" BSP	2
09-46938	2 90°, 1/2" HOSE	2
09-47026	2x 90°, 3/8" BSP	2
09-47096	2x 3/8" BSP	2
09-47098	2x 1/2" BSP	2
09-47092	1x T-CONNECTION, 3/4" BARB	1
09-47094	GARDEN HOSE ADAPTER	2



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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.spx.com](http://www.spx.com) and [www.johnson-pump.com](http://www.johnson-pump.com).

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