



PUMProtector

INLET & UNIVERSAL STRAINER

IB-209 R02 (05/2012)

ORIGINAL INSTRUCTIONS/TRANSLATION OF ORIGINAL INSTRUCTIONS
READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING OR SERVICING THIS
PRODUCT



 **Johnson Pump®**

PUMProtector

— Inlet and Universal Strainer

Typical applications.

PUMProtector prevents pumps and pumpsystem from debries and other particles.

Inlet Strainer

For use at inlet side of Water Pressure System (WPS) pumps and Wash Down (WD) pumps in SPX Johnson Pumps Aqua Jet serie

Universal Strainer

For use in any pumpsystem of relevant flow size.

Designed Features

Inlet and Universal Strainers

Materials	Strainer	Polyamide 66, black
	Cover	Acrylic, clear
	Screen	Stainless steel, 20 and 40 mesh
	O-rings	Silicone and EPDM

Max. liquid temp.	+50°C / +120°F
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Max. temp. for drinking water	+30°C / +85°F
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Diameter	80 mm / 3.15"
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Height	60 mm / 2.35"
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Port options	See page 28-29
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Weight	0.15 kg / 0.33 lbs
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Type designation and accessories

See page 27

Installation.

Inlet strainer for Aqua Jet pumps

- Always use a 40 mesh strainer for Aqua Jet pump serie.
- Connect PUMProtector to pump inlet with the KlickTite quick connection.
- Connect one separate inlet port to PUMProtector housing, by the KlickTite quick connector.

Straight connectors, 1/2" barb/ 3/8" pipe thread and 3/4" barb/ 1/2" pipe thread are included in PUMProtector kit. For use of port threads, cut the barb part of the connection unit.

Other KlickTite port connectors are available as extra accessories.

See page 29.

When using solid pipework, always use an unclamped flexible hose between solid pipework and pump/strainer unit. Recommended hose length is 300 mm at inlet side. This is to avoid noise transfer from pump to hull and also to achieve a more gentle operation of pump. If the pump fails to prime, check that all joints are properly sealed.

Universal Strainer.

- Fasten the PUMProtector at a place where it is convenient to inspect and maintain. See picture 31.

- Connect two separate ports to PUMProtector housing, by the KlickTite quick connectors.

Straight connectors, 1/2" barb combined with 3/8" pipe thread and 3/4" barb combined with 1/2" pipe thread are included in PUMProtector kit. For use of port threads, cut the barb part of the connection unit. Other KlickTite port connectors are available as extra accessories. See page 29.

When using solid pipework, always use an unclamped flexible hose between solid pipework and pump/strainer unit. Recommended hose length is 300 mm at both inlet and outlet side. This is to avoid noise transfer from pump to hull and also to achieve a more gentle operation of pump.

If the pump fails to prime, check that all joints are properly sealed.

Maintenance.

Inspect the strainer unit regularly for clogging. A clogged strainer unit reduces performance and service of pump and pump system. For cleaning, release the strainer unit by the two KlickTite quick connections and bring it to a place where it is easy to clean. For Universal Strainer you also need to loosen the two screws for attachment, approx. 1 – 2 turns. Twist the cover off and take the strainer screen out. Clean the screen, strainer housing and cover. A dish wash detergent may be used.



Caution

Do not handle gasoline, solvents, thinners, highly concentrated or organic acids or other corrosive chemicals.

At freezing temperature the strainer unit must be drained, as well as the complete pump system. Disconnect the KlickTite connectors for drainage, or follow procedures recommended for pump.

Waste handling & material recycling

At the products end of life, please dispose of the product according to applicable law. Where applicable, please disassemble the product and recycle the parts material.

Type designation

Universal Strainer

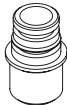
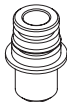
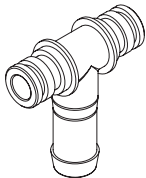
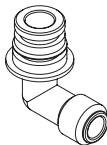
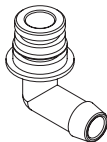
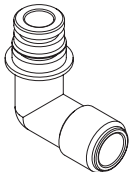
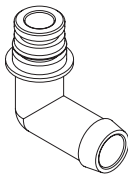
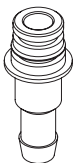
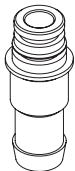
Part. No	Mesh	KlickTite™ Connector
09-24652-01	40	2x 1/2" barb / 3/8" BSP 2x 3/4" barb / 1/2" BSP
09-24652-02	40	2x 1/2" barb / 3/8" NPT 2x 3/4" barb / 1/2" NPT
09-24652-03	20	2x 1/2" barb / 3/8" BSP 2x 3/4" barb / 1/2" BSP
09-24652-04	20	2x 1/2" barb / 3/8" NPT 2x 3/4" barb / 1/2" NPT

Inlet Strainer

Part. No	Mesh	KlickTite™ Connector
10-24653-01	40	Built-in KlickTite™ 1x 1/2" barb / 3/8" BSP 1x 3/4" barb / 1/2" BSP
10-24653-02	40	Built-in KlickTite™ 1x 1/2" barb / 3/8" NPT 1x 3/4" barb / 1/2" NPT

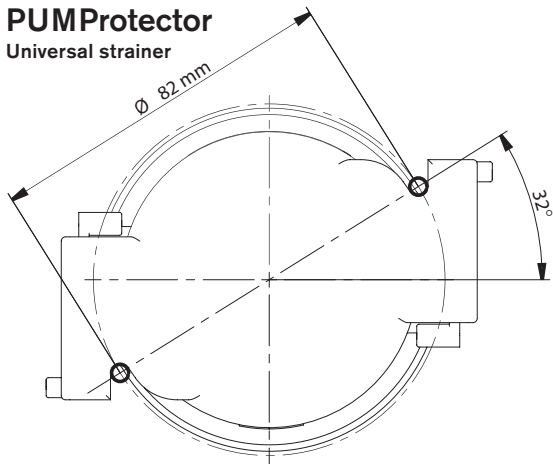
Accessories

Part. No.	KlickTite™ Connectors
09-46783	2 x 1/2" barb and 3/8" BSP
09-46784	2 x 3/4" barb and 1/2" BSP
09-46939	2 x 90°, 3/4" barb
09-47087	2 x 90°, 1/2" BSP
09-46938	2 x 90°, 1/2" barb
09-47026	2 x 90°, 3/8" BSP
09-46957	2 x 1/2" barb and 3/8" NPT
09-46958	2 x 3/4" barb and 1/2" NPT
09-47088	2 x 90°, 1/2" NPT
09-47089	2 x 90°, 3/8" NPT
09-47092	1 x T-connection with 3/4" barb
09-47094	2 x Garden hose adapter
09-47096	2 x 3/8" BSP
09-47098	2 x 1/2" BSP



PUMProtector

Universal strainer



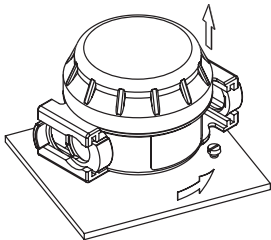
Hole lay out

PUMProtector

Universal strainer

Mounting instruction

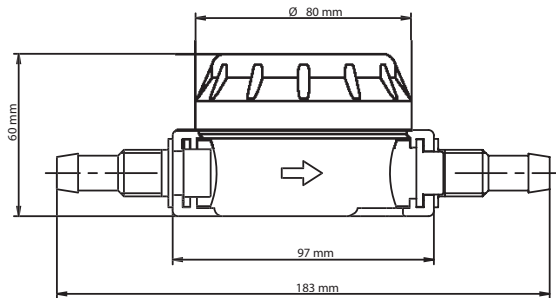
1. Loosen the screws
2. Turn the PUMProtector counterclockwise
3. Release the PUMProtector



PUMProtector

Universal strainer

Dimensions



Learn more about boat plumbing on our website.