



Aviation Aquacon® Spin-On Filters

ACO-40501SPL
ACO-40901SPL

Remove Dirt and Water from Jet Fuel and Avgas

FEATURES

- Convenient Spin-On Design
- Removes free and emulsified water removal to less than 5 ppm, typical
- Filters out dirt and other particles to a ½ micron nominal rating
- Choice of four mounting head styles

*****CAUTION*****
DO NOT USE WITH PRE-MIXED FUEL
CONTAINING ANTI-ICING ADDITIVES.



ACO-40501SPL
mounted to
SPH-2 Head



ACO-40901SPL
mounted to
SPH-4 Head



ACO-40901SPL
mounted to
SPH-5 Parallel Flow Head

DESCRIPTION

ACO-40501SPL is the popular 3 ¾" diameter x 5 ½" long size. The ACO-40901SPL is 3 ¾" diameter x 8 ½" long. Four mounting head styles are offered for use with these two cartridges. Refer to the back side of this sheet for details.

When an **Aquacon®** spin-on cartridge reaches its water holding capacity, its accordion pleats swell and cause an increase in the differential pressure which signals the operator to change the cartridge.

Solid contaminants are removed by the cartridge's two particulate filter media layers. The pleated accordion style design provides a large surface area for maximum dirt holding capacity. Models are offered for particle filtration down to 1/2 micrometer size with 98% plus efficiency. Performance is not affected by the presence of common surface active agents.

These cartridges also effectively filter out dirt, rust, and other particles. (See caution above.)

Aviation Aquacon® ACO-40501SPL and ACO-40901SPL Spin-On Filters

CARTRIDGE TECHNICAL INFORMATION

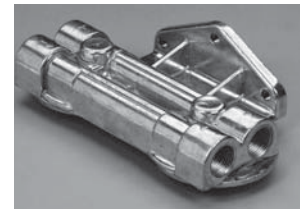
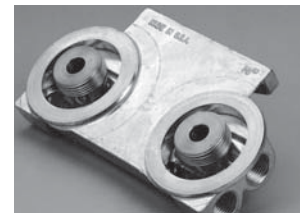
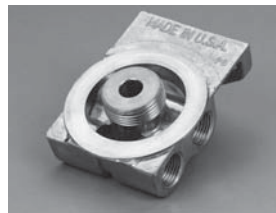
Maximum Operating Pressure: 50 psi
 Maximum Operating Temperature: 200°F
 ½ micron nominal filtration rating at 98+% efficiency.
 Cartridges do not remove soluble (dissolved) water.
 Gaskets are Buna-N.

	ACO-40501SPL	ACO-40901SPL
Diameter:	3 ¾"	3 ¾"
Length:	5 ½"	8 ½"
Weight:	1 ¼ lbs.	1 ½ lbs.
Thread:	1"-12 NF	1 ¾"-12 NF



ACO-40501SPL and
ACO-40901SPL

HEAD STYLES AND FLOW RATES



SPH-2

SPH-3


SPH-4

SPH-5

Head Part Number	Use with Aquacon® Cartridge(s)	Inlet/Outlet Size	Inlet/Outlet Face-to-Face	Head Weight, Lbs	Jet Fuel or Avgas Max Flow USGPM
SPH-2	1 ea. ACO-40501SPL	¾" NPT	3 ¾"	1	10
SPH-3	1 ea. ACO-40901SPL	¾" NPT	3 ¾"	1	15
SPH-4	1 ea. ACO-40901SPL	½" NPT	2 ¾"	1	7
SPH-5	2 ea. ACO-40901SPL	½" NPT	7"	1 ¾	15

NOTES

- Differential pressure across head and cartridge at recommended maximum flow is 5 psi or less.
- SPH-2, -3, -4, and -5 are die cast aluminum 380 alloy.
- SPH-4 and -5 have dual inlets/outlets for plumbing flexibility.
- SPH-5 allows parallel flow through two cartridges.
- Heads have no internal bypass. Flow will stop if cartridges plug-up.
- Mounting holes on SPH-4 and -5 are 5/16".
- SPH-3, -4, and -5 have steel bushings or nipples for adapting to ACO-40901SPL. They are permanently fastened with Loctite® 271.



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE**:

COMPANY HEADQUARTERS:
 Velcon Filters, Inc.
 1210 Garden of the Gods Road
 Colorado Springs, CO 80907-3410
 Phone: 1.800.531.0180 / 1.719.531.5855
 Fax: 719.531.5690
 e-mail: vfsales@velcon.com
 www.velcon.com

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