

Aquacon® Spin-On Filters AC-405SP AC-409SP

Remove Dirt and Water from Fuels and Oils

FEATURES

- Convenient Spin-On Design
- Removes free and emulsified water to 5 ppm, typical
- Filters out dirt and other particulates to a 5 micron nominal rating
- · Choice of five mounting head styles



AC-405SP mounted to SPH-2 Head



AC-409SP mounted to SPH-4 Head



Two AC-409SP Cartridges mounted to SPH-5 Parallel Flow Head

DESCRIPTION

AC-405SP is the popular $3^{3}/_{4}$ " diameter x $5^{1}/_{2}$ " long size. The AC-409SP is $3^{3}/_{4}$ " diameter x $8^{1}/_{2}$ " long. Five mounting head styles are offered for use with these two cartridges. Refer to the back side of this sheet for details.

Aquacon Cartridges filter out water by chemically locking it into layers of super-absorbent media. Water removal efficiency is not affected by surfactants or additives, and once captured, the water cannot be squeezed out. These

cartridges also effectively filter out dirt, rust, and other particulates.

As a cartridge reaches its water-holding limit, the media expands very rapidly and restricts the flow. For fuels, the flow may completely stop. For oils and other high viscosity liquids, the pressure drop will rapidly increase, signaling the need to change cartridges.

WARNING: Absorbent-type monitor cartridges will not remove water from fuel containing alcoholblending agents (commonly called gasohol). For removal of solids, please use Velcon particle removal filters specifically made for gasohol. Consult your Velcon representative.

Aquacon® AC-405SP and AC-409SP Spin-On Filters

CARTRIDGE TECHNICAL INFORMATION

| | AC-405SP | AC-409SP | | |
|-----------|---|--|--|--|
| Diameter: | 3 ³ / ₄ " | 3 ³ / ₄ " | | |
| Length: | 5 ¹ /2" | 8 ¹ / ₂ " | | |
| Weight: | 1 ¹ / ₄ lbs. | 1½ lbs. | | |
| Thread: | 1" - 12 NF | 1%" - 12 NF | | |



AC-409SP

AC-405SP

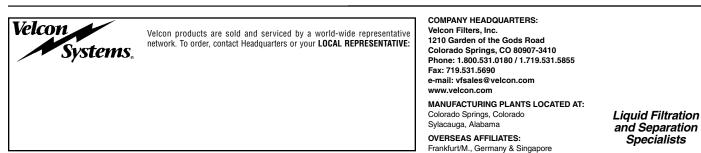
HEAD STYLES AND FLOW RATES



| Head Part Number | Use with <i>Aquacon</i> Cartridge(s) | Inlet/Outlet Size | Inlet/Outlet Face-to-Face | Head Weight Lbs | Fuel Max Flow gpm | 150 SUS Oil Max Flow gpm |
|------------------------|--|----------------------|--|--------------------------------------|-------------------------|--------------------------------|
| SPH-1 | 1 ea. AC-409SP | 1" NPT | 4" | 21/4 | 20 | 5 |
| SPH-2 | 1 ea. AC-405SP | 3/4" NPT | 3 ³ / ₄ " | 1 | 13 | 2.5 |
| SPH-3 | 1 ea. AC-409SP | 3/4" NPT | 3 ³ / ₄ " | 1 | 15 | 5 |
| SPH-4 | 1 ea. AC-409SP | 1/2" NPT | 2 ³ / ₄ " | 1 | 7 | 4 |
| SPH-5 | 2 ea. AC-409SP | ¹ /2" NPT | 7" | 1 ³ / ₄ | 15 | 10 |

NOTES

- 1. Differential pressure across head and cartridge at recommended maximum flow is 5 psi or less.
- 2. SPH-1 is cast iron. SPH-2, -3, -4, and -5 are die cast aluminum 380 alloy.
- 3. SPH-4 and -5 have dual inlets/outlets for plumbing flexibility.
- 4. SPH-5 allows parallel flow through two cartridges.
- 5. Heads have no internal bypass. Flow will stop if cartridges plug-up.
- 6. Mounting holes on SPH-4 and -5 are 5/16".
- SPH-3, -4, and -5 have steel bushings or nipples for adapting to AC-409SP. They are permanently fastened with Loctite[®] 271.



Due to Velcon Filters' continuing product improvement, drawings, specifications and pictures are subject to change without notice.