

TECHNICAL SHEETS

AQUACHEK® TECHNOLOGY



AquaChek®
POLYMER TECHNOLOGY
AIR DRYING FILTER

AquaChek technology weaves a special super-absorbing polymer fibre into absorbent matting that is pleated and inserted into a spin-on cartridge filter. As easy to change as any spin-on oil or fuel filter, AquaChek filters reduce relative humidity in air, after the filter, to thirty percent or less, and trap particulate down to less than one-half (.5) micron. Water trapped by the AquaChek filter is locked in a molecular bond and will not release even when the filter reaches saturation. In real world applications users have reported as much as a four-time increase in tool and equipment life and a dramatic reduction in corrosion related maintenance and repair.

The Polymer Edge

The key to the AquaChek advantage is the state of the art polymer. As the water molecule comes in contact with the AquaChek polymer, the two react. The polymer opens up from its coiled position and then encapsulates each water molecule, changing the water from a liquid into a semi-solid. At this point the polymer forms a molecular bond with the water and will not release it.



AquaChek Features

1. Zinc-coated base plate/cover assembly with nitrile sealing gasket provides corrosion-resistant filter support and easy installation.
2. Nitrile rubber element support ensures no bypass of unfiltered air.
3. AquaChek media. Uniquely formulated absorbent fibres hold 28 times their weight in water and remove particulates down to 0.5 micron.
4. Zinc-coated spring, end caps and centre tube provide corrosion-resistant element support even in the most extreme conditions.
5. Specially coated steel can resists rust, resulting in superior can life.



For more information visit
www.aquachekfilters.com

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AquaCheck System Selection Guide

Part #	Application	m3/min Rating (CFM)	Water Capacity	Maximum Operating Pressure	Service	Style
ACKG15	Single filter mounting base with 1/2" NPT inlet, outlet and differential pressure gauge. (2) 1/2" x 1/4" Reducer bushings. (1) AquaChek spin-on filters (AC10). (1) 1/2" Flow control valve. (1) 1/2" Nipple. Small roll of thread sealing tape and instructional sheet.	0.425 (15)	296 ml	1207 kPa	Moisture & Particulate	Spin-on
ACKG25	Single filter mounting base with 1" NPT inlet, outlet and differential pressure gauge. (2) 1" x 3/4" Reducer bushings. (1) AquaChek spin-on filters (AC20). (1) 1" Flow control valve. (1) 1" Nipple. Small roll of thread sealing tape and instructional sheet.	1.417 (50)	592 ml	1207 kPa		
ACKG35	Single filter mounting base with 1 1/2" NPT inlet, outlet and differential pressure gauge. (1) AquaChek spin-on filters (AC30). (1) 1 1/2" Flow control valve. (1) 1 1/2" Nipple. Small roll of thread sealing tape and instructional sheet.	2.833 (100)	1330 ml	1724 kPa		
ACKG45	Dual filter mounting base with 2" NPT inlet, outlet and differential pressure gauge. (2) AquaChek spin-on filters (AC30). (1) 2" Flow control valve. (1) 2" Nipple. Small roll of thread sealing tape and instructional sheet.	5.666 (200)	2660 ml	1724 kPa		

Replacement filters

Part #	Application	m3/min Rating (CFM)	Water Capacity	Maximum Operating Pressure	Service	Style	Height	O.D	Dry Weight	Saturated Weight
AC10	AquaCheck Filter Replacement	0.425 (15)	296 ml	1207 kPa	Moisture & Particulate	Spin-on	132 mm	94 mm	0.44 kg	0.72 kg
AC11		1.417 (50)	592 ml	1207 kPa			199 mm	94 mm	0.60 kg	1.16 kg
AC20		2.833 (100)	1330 ml	1724 kPa			199 mm	94 mm	0.59 kg	1.16 kg
AC30		5.666 (200)	2660 ml	1724 kPa			288 mm	119 mm	1.62 kg	2.90 kg

Replacement Gauge

Part #	Application	Service	Style
ACG1	1) Differential pressure gauge specifically designed for use on ACKG15, 25, 35, and 45 kit bases only. The ACG1 gauge CAN NOT be used on the mounting bases in our ACK10, 20, 30 or 40 kits.	Moisture & Particulate	Differential Pressure Gauge

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