

Service Bulletin

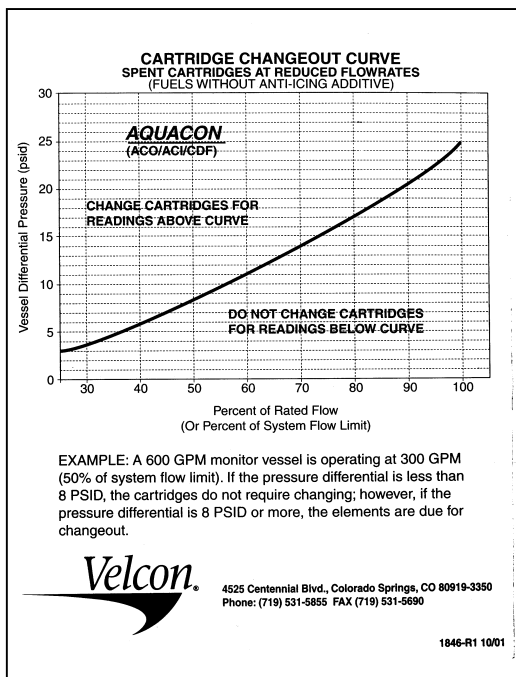
September 17, 2002

Vol. 1 Number 2

Operating Water Absorbing Cartridges at Reduced Flow Rates

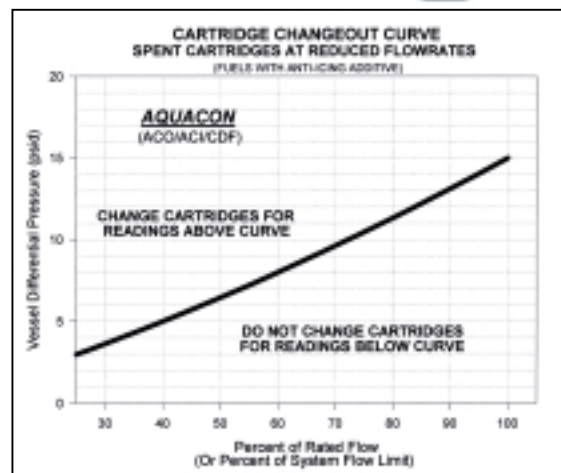
The importance of recording differential pressure and actual flow rate is often overlooked. If operating at, say, 7 psi differential at 40% flow rate and then flow rate is returned to 100% of rated flow, the differential pressure would be 25 psi. If the differential pressure is 25 psi at 40% rated flow, then at 100% flow the differential pressure would exceed 100 psi -- well above cartridge changeout.

Velcon has developed three tools to assist operators in calculating the corrected differential pressure. These are the Differential Pressure Conversion Calculator, Form #1871, and the Cartridge Changeout Curve Label, Form #1846. In fuel containing anti-icing additives, use Form #1896. Please contact Velcon for more information on this important topic.



Form 1846

Form 1871 →



Form 1896



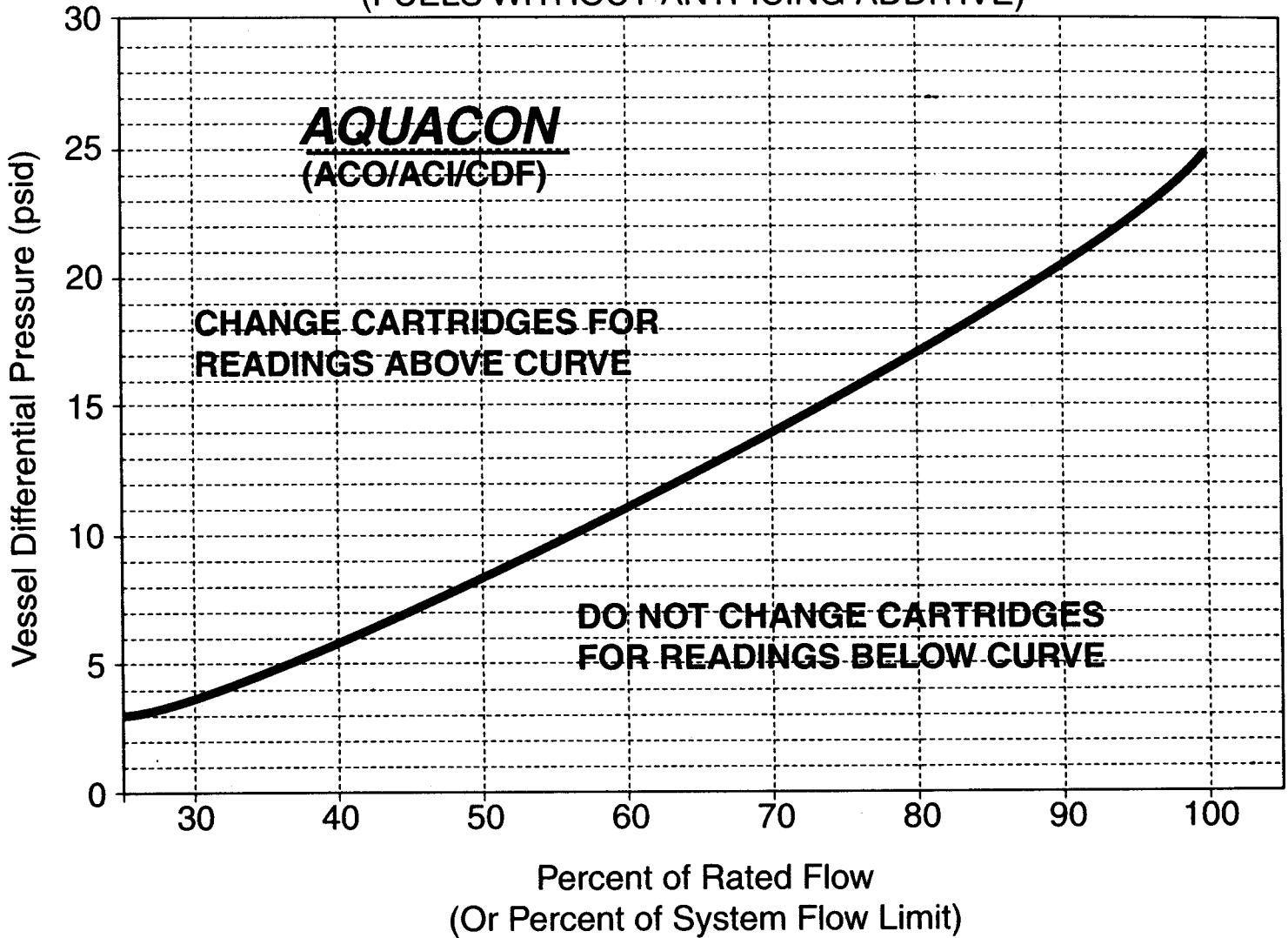
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Please address all comments or questions to Robin Mason.

4525 Centennial Blvd • Colorado Springs, CO 80919 • 719.531.5855 • FAX: 719.531.5690

• E-mail: vfsales@velcon.com

**CARTRIDGE CHANGEOUT CURVE
SPENT CARTRIDGES AT REDUCED FLOWRATES
(FUELS WITHOUT ANTI-ICING ADDITIVE)**

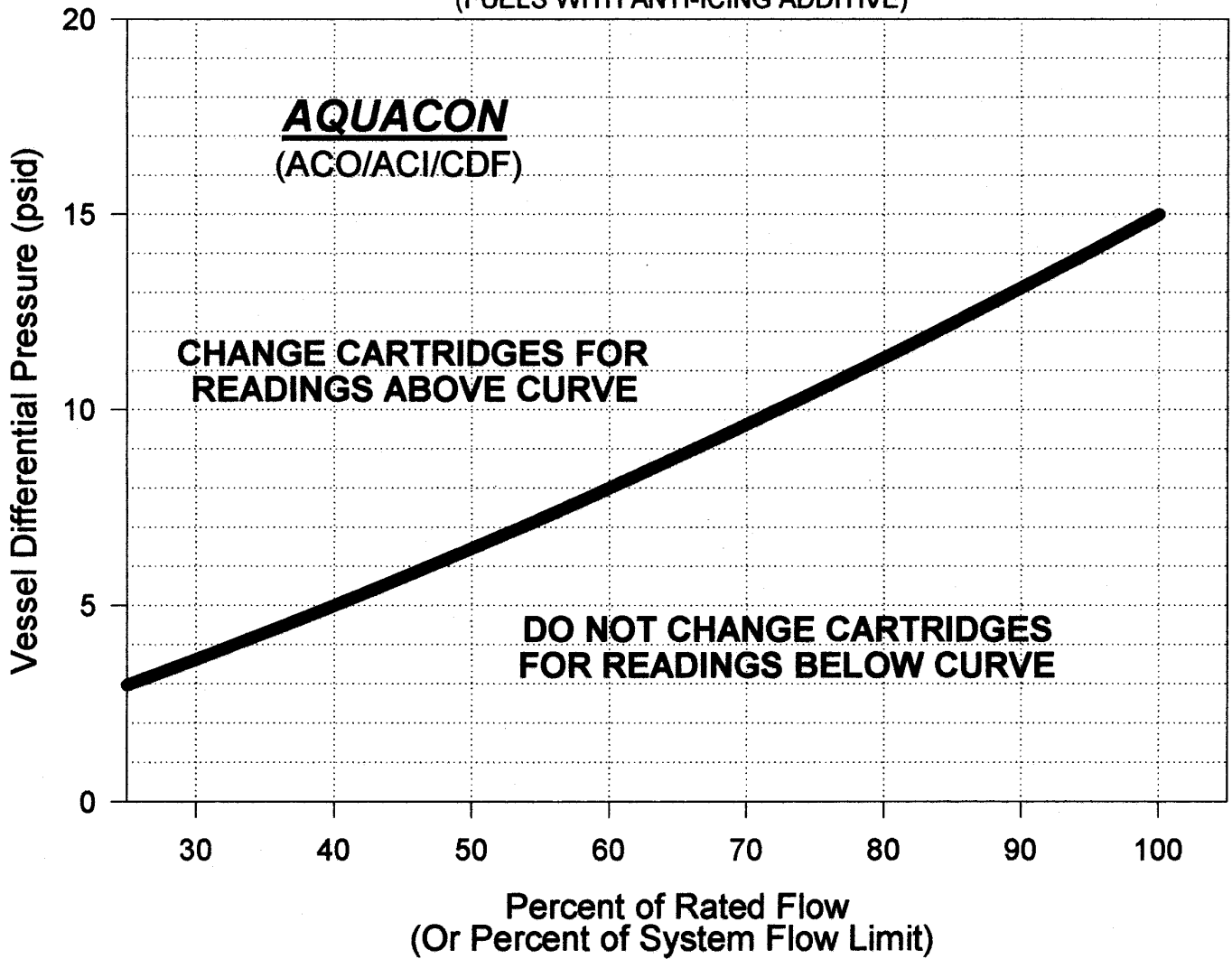


EXAMPLE: A 600 GPM monitor vessel is operating at 300 GPM (50% of system flow limit). If the pressure differential is less than 8 PSID, the cartridges do not require changing; however, if the pressure differential is 8 PSID or more, the elements are due for changeout.

Velcon®

4525 Centennial Blvd., Colorado Springs, CO 80919-3350
Phone: (719) 531-5855 FAX (719) 531-5690

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