

Product News

PN60129120906

For Part Numbers 44646, 47013, and 60129 (all dash numbers)

September 7, 2012

Applicable To All Eaton Carter® Brand Hose End Pressure Control Valves

SPRING MEASUREMENT GUIDE

Eaton's Carter® brand Hose End Pressure Control Valves (HEPCVs) continue to be supplied with color coated springs. These springs are included in new HEPCV units and are also available as spare parts. The 35 psi spring is completely coated white and the 55 psi spring is coated yellow on the ID only and can be difficult to see because the coating is applied lightly. The coating (in both cases) is RGF AL2000 (aluminum coating). The 55 psi spring can only be coated on the ID due to the fact that the yellow coating adds to the thickness of the wire, creating a total compressed solid height of the spring that exceeds the spring cavity in the HEPCV. The 45 psi spring is NOT coated and is supplied as passivated stainless steel.

Due to durability of the coating and the fact that a variety of different colors have been used over the years, the easiest way to identify the springs is by their length. Each has a specific length that correlates to the pressure regulation requirement of the Hose End Pressure Control Valve. To ensure the correct spring is used during overhaul and/or repair, you can simply measure the spring's length to confirm its identity. Please understand that the springs have slight variations due to allowable tolerance, of about plus or minus 1/8th of an inch (.125" or ~3.2mm).

The table below provides the correct measurements:



27014
35 psi

28443
55 psi

23892
45 psi

HECV	SPRING P/N	SPRING FREE LENGTH (INCHES)
35 psi	27014	3.77
45 psi	23892	4.20
55 psi	28443	5.10



Powering Business Worldwide

Aerospace Group
9650 Jeronimo Road
Irvine, California 92618
Tel (949) 452-9500
Fax (949) 452-9992
www.eaton.com/aerospace