



ACC MEASUREMENT NOTICE No 1

Hydraulic Pressure Relief Valves

The Competitor Forum recently requested the Measurement Committee review the requirements for compliance with ACC Rule 6.17 and the attendant Interpretations no 17 and 22.

Whilst maximum hydraulic pressure of 350 bar will always apply to every hydraulic circuit, pressure relief valves are not required for a subset of a yacht's hydraulic circuits. Where PRVs are not fitted the Measurement Committee will require a declaration with supporting calculations from the system's designers that this pressure cannot be exceeded. Examples of circuits where declarations may take the place of PRVs include those associated with jib sheet, jib cunningham, rudder rake and wing functions.

However, those hydraulic circuits associated with daggerboard up/down, daggerboard cant and daggerboard rake shall conform to the Rule including Interpretations 17 and 22 and, as such, shall be fitted with pressure relief valves.

Such required pressure relief valves shall relieve at $350 \pm 5\%$ bar at an instantaneous rate of flow, at that pressure, that is equal to the volume of the associated cylinder(s) in a period of not more than ten (10) seconds.

Competitors shall make provision for testing of these required relief valves. Competitors shall make available to the Measurement Committee all necessary equipment (pumps, gauges, hoses, fittings, etc) with which to perform such testing. Details of proposed testing procedure shall be submitted by competitors before March 31, 2017. This procedure requires review and approval in confidence by the Measurement Committee.

Issued on behalf of the Measurement Committee on September 28, 2016

Ken McAlpine

Chief Measurer 35th America's Cup