

# Pressure Testing of Knife Gate Valves

**Standard Practice**  
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## FOREWORD

This first edition of Standard Practice for Pressure Testing of Knife Gate Valves was approved and published in 2016. It was developed for the purpose of providing a uniform means of testing knife gate valves commonly used in the "full open" and "full closed" type of service for isolation. This Standard Practice is not intended for use with control valves. **Refer to ISA 75.19.01 and FCI 70-2 for Control Valves.**

There are five distinct types of knife gate valves; all derived from the original patent in the 1950s. Each type offers a different performance and ability. There are two main groups: A) Cold Working Pressure (CWP) rated valves that do not adhere to ASME B16.34, and B) B16.34 Class 150, 300 and 600. In addition, there are two main Categories: C) Resilient Seated and D) Metal Seated.

Modern advances in knife gate design have and will present additional types in the future; including designs which are ready for use now, such as Double Block and Bleed. It is the owner's or specifier's responsibility to be aware of the differences.

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