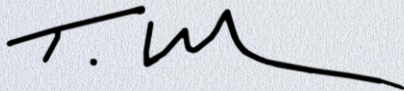


## Low Fugitive Emissions Certificate for Velan API 600 Gate and API 623 Globe Valves

We certify that Velan API 600 gate and API 623 globe valves have been qualified to API Standard 624 *Type Testing of Rising Stem Valves Equipped with Flexible Graphite Packing for Fugitive Emissions*. Test reports and performance results are available on request. All valves marked API 624 on the valve nameplate or on a separate permanent metal tag fully conform to the requirements of API 624. All Velan API 600 and 623 valves use low FE packing certified to API 622.

We further certify that Velan API 600 gate and API 623 globe valves have been designed in accordance with generally accepted good engineering practice for low fugitive emissions. Our valves have been type tested pursuant to recognized fugitive emissions qualification standards including API 624 and ISO-15848-1 and have been found to have fugitive emissions lower than 100 ppmv. This certification is based on extensive laboratory testing as well as field experience with regards to emissions performance of our valves. Note that valves greater than 24" and API 594 check valves do not fall under the scope of the API 624 standard so the valves are not marked API 624 but utilize the same low fugitive emission technology.

To ensure low fugitive emissions throughout the operating life, valves must be used in accordance with Velan's installation, operating, and maintenance manuals. In particular, it is important that gland and body-bonnet bolting is adjusted to recommended values and that stems are kept clean to prevent external dirt, grit, sand and other materials from damaging packing or stems. The corrosion resistance of the valve components in relation to the application requirements must also be considered during valve selection.



**Tom Velan**  
Chairman and CEO  
2016

