

## Consideration of Conformity to the ATEX Directive (2014/34/EU) was (94/9/EC)

### Manufacturer:

Crane Process Flow Technologies Limited,  
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UK

### Description of equipment:

Saunders® range of Manually Operated Diaphragm valves; types A, HC4, KB and K. Sizes DN8 – DN500. Check valves; type NX in the size range DN25 – DN150 and Ball valves; types M and MP in the size range DN15 – DN100.

### Context of Consideration:

The 4<sup>th</sup> Edition of the European Commission “ATEX Guidelines” *Updated Dec 2013*

**Para 5.2.1** of the guidelines states:-“The issue of hand operated valves has also been discussed. Given that these will move slowly, with no possibility of forming hot surfaces, as discussed in section 3.7.3 they are not in scope of the Directive. Some designs incorporate polymeric parts, which could become charged, but this is no different from plastic pipes. Given that, it is clear that the latter is outside of the scope of Directive 94/9/EC it has been accepted that such valves do not fall within scope”

### Ignition Sources:

However, para **3.7.3** of the guidelines refers to assessment of potential ignition sources. Saunders manually operated valves, both, lined and unlined, have been assessed to DIN EN 13463-1 & 5 to determine the risk of ignition generation. No potential ignition sources generated by the valves have been identified. In addition, electrostatic charge caused by flowing media is not considered a potential ignition source.

If these 'simple' products are intended for use in hazardous environments they will have to be declared safe for use as determined by the **end users risk assessment** under Directive **1999/92/EC**. “Protection of workers potentially at risk from Explosive Atmospheres”

We therefore confirm that Saunders® Manually Operated valves are “simple products” **not in the scope** of the ATEX directive and **must not** be marked accordingly.

*For and on behalf of Crane Process Flow Technologies - Saunders*



P. Gill  
Engineering Manager

**Date:** 22.04.15