

**APPROVAL CERTIFICATE**

The Working Group Production, Storage and Transport Safety (GEST) of Euro Chlor, after examination of the documents listed in Appendix 1, declared that the valves manufactured by:

**Blackhall Engineering Ltd**

**Cedar House, Bradford Road, Brighouse, West Yorkshire HD6 4DJ - United Kingdom**

As described hereafter:

- Are in accordance with the specification GEST 17/492, 3<sup>rd</sup> edition - July 2023.
- And are approved for use with liquid and dry gaseous chlorine.

This Approval Certificate is given for the bellow sealed globe valves model(s) (Blackhall Engineering Ltd references):

**LM manual valves types LM6420EC, LM6320EC, LM6620EC, LM6421EC, LM6321EC, LM6621EC, LM6422EC, LM6322EC and LM6622EC.**

- Manufactured with dimension DN25 mm to DN150 mm/1 inch to 6 inches,
- According to ANSI 300 Lbs (LM64xx and LM63xx) and PN40 (LM66xx),
- And in accordance with the documents listed in Appendix 1, an original of which being filed by Euro Chlor,
- And mentioning that the LM63 valves have a different Face to Face dimension.

Euro Chlor keeps the right to cancel this approval certificate in case of infringement of the prescription of the GEST specification 17/492.

Blackhall Engineering Ltd

Euro Chlor

Working Group Production,  
Storage and Transport  
Safety (GEST)

*J. A. Blackhall*

*[Signature]*

*[Signature]*

Mr James Blackhall  
Managing Director

Ms Marleen Pauwels  
Euro Chlor Manager

Ms Claudia Paarman  
GEST Chairman

Location: West  
Yorkshire/United Kingdom  
Date : 01/09/2023

Location:  
Brussels/Belgium  
Date : 01/09/2023

Location:  
Stade/Germany  
Date : 01/09/2023

LIST OF DOCUMENTS

1. Drawings of the approved valves as listed in the document below:



Drawings manual  
valves

2. Inspection Services Design Appraisal Document PRJ11100394285 O-39544/SC date 20 January 2023.
3. Inspection certificate PRJ11100402923/1 date 21 March 2023.