



APPROVAL CERTIFICATE

97/01

The Working Group Production, Storage and Transport Safety (GEST) of Euro Chlor, after examination of the documents listed in Appendix 1, has declared that the valves of Shaw, Son & Greenhalgh Limited, Albert Street, Lockwood, Huddersfield HD1 3QG - England

- are in accordance with the specification GEST 89/140, 8th edition - April 1997
- and are approved for use with liquid chlorine.

The Approval Certificate is given for the valves manufactured according to PN 40 and ANSI 300 lbs for the following:

Bellows sealed globe valves in accordance with the documents listed in Appendix 1 of which an original is filed by Euro Chlor.

| Shaw Reference | Bellows Material | Flange |
|----------------|------------------|--------|
| M 6420 | Stainless Steel | CL 300 |
| M 6421 | Hastelloy C 276 | CL 300 |
| M 6422 | + Hastelloy Stem | CL 300 |
| M 6620 | Stainless Steel | PN 40 |
| M 6621 | Hastelloy C 276 | PN 40 |
| M 6622 | + Hastelloy Stem | PN 40 |

| Sizes | Arrangement and materials on attached drawing N° | | | | | |
|------------|--|--------|--------|--------|--------|--------|
| | M 6420 | M 6620 | M 6421 | M 6621 | M 6422 | M 6622 |
| 1" DN 25 | 21301 | | 21308 | | 21303 | |
| 1 ½" DN 40 | 21301 | | 21308 | | 21303 | |
| 2" DN 50 | 21301 | | 21308 | | 21303 | |
| 3" DN 80 | 21305 | | 21309 | | 21307 | |
| 4" DN 100 | 21305 | | 21309 | | 21307 | |
| 6" DN 150 | 21305 | | 21309 | | 21307 | |

Euro Chlor keeps the right to cancel this approval certificate in case of infringement of the prescriptions of the GEST specification 89/140.

Avenue E. Van Nieuwenhuysse 4, Box 2
B-1160 Brussels



EURO CHLOR

REPRESENTING THE CHLOR-ALKALI INDUSTRY

APPROVAL CERTIFICATE

97/02

The Working Group Production, Storage and Transport Safety (GEST) of Euro Chlor, after examination of the documents listed in Appendix 1, has declared that the valves of Shaw, Son & Greenhalgh Limited, Albert Street, Lockwood, Huddersfield HD1 3QG - England.

- are in accordance with the GEST specification 90/150 2nd edition - September '92
- and are approved for use with liquid chlorine.

The approval is given for the valves manufactured according to PN 40 and ANSI 300 Ibs for the following:

- Shaw packed gland valves

in accordance with the documents listed in Appendix 1 of which an original is filed by Euro Chlor.

| Shaw reference | Drawing N° | Dimensions | Flange | Stem |
|----------------|------------|------------|--------|-----------------|
| M 5820 | 21300 | 1" 1 ½" 2" | Cl 300 | Stainless Steel |
| | 21304 | 3" 4" 6" | Cl 300 | Stainless Steel |
| M 5822 | 21302 | 1" ½" 2" | Cl300 | Hastelloy |
| | 21306 | 3" 4" 6" | Cl300 | Hastelloy |
| M 6020 | 21300 | 1" 1 ½" 2" | PN 40 | Stainless Steel |
| | 21304 | 3" 4" 6" | PN 40 | Stainless Steel |
| M 6022 | 21302 | 1" 1 ½" 2" | PN 40 | Hastelloy |
| | 21306 | 3" 4" 6" | PN 40 | Hastelloy |

Euro Chlor keeps the right to cancel this approval certificate in case of infringement of the prescription of the GEST specification indicated above.

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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

**Shaw Son and Greenhalgh Ltd – t/a Taylorshaw and Shaw valves
Dowker Works - Dowker Street – Milnsbridge – Huddersfield HD3 4JX
United Kingdom**

as described hereafter:

- Are in accordance with the specification GEST 89/140
- And are approved for use with liquid chlorine.

The Approval Certificate is given for the valves manufactured according to PN 40 and ANSI 300 Lbs for the following valve types (Shaw references):

- Shaw valves type LM6620EC, LM6621EC, LM6622EC, LM6420EC, LM6421EC and LM6422EC.

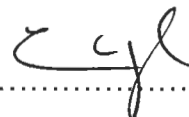
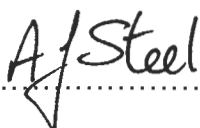
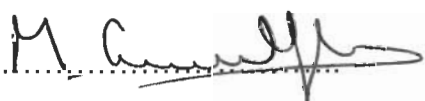
in accordance with the documents listed in Appendix 1, an original of which being filed by Euro Chlor.

Euro Chlor keeps the right to cancel this approval certificate in case of infringement of the prescription of the GEST specification 89/140.

Shaw Son and
Greenhalgh Ltd

Euro Chlor

Working Group Production,
Storage and Transport
Safety (GEST)



Mr Martin Greenhalgh
Joint Managing Director

Mr Alistair Steel
Executive Director

Mr Philippe Engel
Chairman

Location : Huddersfield/UK

Location : Brussels/Belgium

Location : Lavera/France

Date : 03/08/2007

Date : 06/07/2007

Date : 25/07/2007