

# FULL QUALITY ASSURANCE CERTIFICATE

Certificate No.:  
14588-2019-CE-USA-ACCREDIA

Initial date:  
30-09-2009

Valid:  
12 June, 2019 – 11 June, 2022

This certificate consists of 4 pages

This is to certify that the quality system of

## Crane ChemPharma Flow Solutions

4444 Cooper Rd., Blue Ash, OH 45242, USA

has been assessed and found to comply with respect to the conformity assessment procedure described in:

### ANNEX III MODULE H OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

This certificate is valid for the following scope:

Type of Pressure Equipment	<b>Pressure Accessories</b>
Product Name	<b>Valves (various)</b>

Place and date:  
Vimercate 06 June, 2019



SGQ N° 003 A	EMAS N° 009 P
SGA N° 003 D	PRD N° 003 B
SQE N° 007 M	PRS N° 004 C
SCR N° 004 F	SSI N° 002 G

Membro di MLA EA per gli schemi di accreditamento SGQ, SGA, PRD, PRS, ESR, GHG, LAB e LAT; di MLA IAF per gli schemi di accreditamento SGQ, SGA, SSI, FSM e PRD e di MRA ILAC per gli schemi di accreditamento LAB, MED, LAT e ISP.

For the notified body 0496:  
DNV GL Business Assurance Italia S.r.l.

**Nicola Privato**  
Management Representative

Certificate No.: 14588-2019-CE-USA-ACCREDIA  
 Place and date: Vimercate 06 June, 2019  
 Revision No: 00

### Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016

### Certificate history

Revision	Description	Issue date
0.0	Recertification and transfer from NoBo 0575 Certificate Number 62048-2009-CE-HOU-DNV	06 June, 2019

### Products covered by this certificate

Product Group	Type of Material	Category	Applied Product Standards
Sleeved Plug Valves ASME Class 150, 300 & 600	Ductile Cast Iron, Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013
Easi-Sleeve Plug Valve ASME Class 150, 300 & 600	Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013
Lined Plug Valve ASME Class 150 & 300	Ductile Cast Iron, Carbon Steel, Stainless Steels, and Nickel Alloys	Up to III	ASME B16.42-2011 or B16.34-2013
High performance Butterfly Valve ASME Class 150, 300 & 600	Ductile Cast Iron, Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013
Lined Accessories ASME Class 150 (Check Valves, Strainers)	Ductile Cast Iron, Carbon Steel, Stainless Steels, and Nickel Alloys	Up to III	ASME B16.42-2011
Process Ball Valve ASME Class 150, 300 & 600	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013

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Centerline Resilient Seated Butterfly Valve	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME B16.42-2011
Flowseal – Soft Seated High Performance Butterfly Valve ASME Class 150, 300 & 600	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013
Flowseal – Fireflow High Performance Butterfly Valve ASME Class 150, 300 & 600	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013
Flowseal – metal seated High Performance Butterfly Valve ASME Class 150, 300 & 600	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013
Cast Steel Gate Valve ASME Class 150, 300	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	API 600-10 <sup>th</sup> edition- 1997 API 598-9 <sup>th</sup> edition- 2009 ASME B16.34-2013 ASME B16.25-2012 ASME B16.10-2009 ASME 16.5-2013
Steel and Cast Iron Dual Plate Check Valve	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	API 598-9 <sup>th</sup> edition- 2009 API 594-4 <sup>th</sup> edition- 1991 ASME B16.5-2013 ASME B16.47-2011 ASME B16.34-2013
Parks-Cramer Metal Seated Plug Valve ASME Class 150	Carbon Steel, Cro-Moly Steel, Stainless Steels, Nickel Alloys, Titanium Alloys, Tantalum Alloys, Zirconium Alloys, Copper Alloys, and Misc. Alloys	Up to III	ASME Section VIII Division 1-2015, ASME B16.34-2013

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### Sites covered by this certificate

Product Name	Site name	Site Address	Audited by	Date	Report ref
Process Ball Valve Easi-Sleeve Plug Valve Lined Plug Valve High Performance Butterfly Valve Lined Accessories Sleeved Plug Valve, Metal Seated Plug Valve	Crane ChemPharma Flow Solutions	4444 Cooper Rd., Blue Ash, OH 45242 USA	Dominick Cantore	2018-12-05	REC Audit
High Performance Butterfly Valve, Process Ball Valve	Crane ChemPharma Flow Solutions	Juan Ruiz de Alarcon 313, Chihuahua, Chih. Mexico C.P. 31109	Dominick Cantore	2018-08-21	REC Audit
Centerline Resilient Seated Butterfly Valve	Crane Ningjin Valve Co.	496 Jinglong St., Ningjin County, Hebei, China 055550	Ma Mavis	2018-11-06	REC Audit

### Applications/limitations

- Non-harmonised standard materials have been subject to particular material appraisal as required by PED Annex I, para 4.2 c. Refer to the document 341.2-J-584, rev. 10.
- This Certificate only relates to the directive described above. Other directives, covering other phenomena, and also having requirements related to CE marking, might also apply.
- Industrial use, Temperature limits: -20 °F (-29 °C) to 1200 °F (649 °C), Pressure limits: up to 1460 psi (100 bar)

### Terms and conditions for the certificate

The certificate is subject to the following terms and conditions:

- In case of damages caused by defective products, directive 85/374/EEC, as amended, will apply
- The certificate is only valid for the products and/or manufacturing premises listed above.
- The Manufacturer shall fulfil the obligations arising out of the quality system as approved and uphold it so that it remains adequate and efficient.
- The Manufacturer shall inform the local DNV GL Office of any intended updating of the quality system and DNV GL will assess the changes and decide if the certificate remains valid.
- The Manufacturer shall inform the local DNV GL Office of any addition of products outside the scope for this Certificate and DNV GL will decide if a reassessment of the quality system is required.
- Periodical audits will be held, in order to verify that the Manufacturer maintains and applies the quality system. DNV GL reserves the right, on a spot basis or based on suspicion, to pay unannounced visits.
- The local DNV GL Office must be informed of any sub-suppliers for main pressure retaining parts.

The following may render this Certificate invalid:

- Changes in the quality system.
- Periodical audits not held within the allowed time window.

Valid terms and conditions are found in the DNV GL's PED Certification Rules

END OF CERTIFICATE