

# VERIFICATION



No. 0P231012.SSICC43

Verification's Holder: SHANXI SOLID INDUSTRIAL CO., LTD.  
28F, No.8 Changxing South Street, Jinyuan District, Taiyuan, Shanxi, China

Verification ECM Mark:



Product: GATE VALVE, BUTTERFLY VALVE, CHECK VALVE, GLOBE VALVE, BALL VALVE, AIR VALVE, STRAINER, WATER METER, EXPANSION JOINTS, DISMANTLING JOINTS, FLANGE ADAPTOR, FLEXIBLE COUPLING  
Model(s): *(see the following annex)*

Verification to: Standard:  
EN 1074-4:2000, EN 1074-2:2000, EN 1171:2015, BS 5163-1:2004, BS 5163-2:2004, BS EN 593:2017, ISO5752:2021, ISO4064:2007, EN 16767:2016 (formerly EN 12334:2001), EN 1092-2:1997, EN 12266-1:2012  
related to CE Directive(s):  
2014/68/EU (Pressure Equipment) Annex III Module H

**This document has been issued in accordance with the European Commission's note of 14 September 2022 ref. Ares (2022) 6342894 concerning voluntary certifications with non-notified procedure and for products intended for third countries outside the EU market.**

The manufacturer has voluntarily decided to submit its documents concerning the above-mentioned product for verification. Ente Certificazione Macchine confirms that the documentation made available and immediately returned to it, as containing sensitive data, meets the essential requirements of the above-mentioned directives. The verification activity carried out exclusively concerned the technical documentation and no verification was carried out on the product. This document cannot replace the EC Declaration of Conformity. The above conformity mark can be affixed to the technical documentation in accordance with the ECM regulation on its issue and use, published on the website [www.entecerma.it](http://www.entecerma.it)

**Issuance date: 27 June 2024**

**Expiry date: 11 October 2028**

For online check:



Approver  
Ente Certificazione Macchine  
Legal Representative  
Luca Bedonni



**Ente Certificazione Macchine Srl**

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# Annex I

No. 0P210427.SSIUW11

Test Report / Technical Construction File no. TPSX21041330345

Ductile Iron Pipes:					
Models	Pressure Level				
Ductile Iron Pipes, Class C series	Materials	Class C25	Class C30	Class C40	Class C64
	Ductile Iron	DN 350 – DN 2600	DN 300 – DN 1800	DN 80 – DN 1200	DN 80 – DN 900
Ductile Iron Pipes, Class K series	Materials	Class K9	Class K8	Class K7	
	Ductile Iron	DN 80 – DN 2600	DN 80 – DN 2600	DN 80 – DN 2600	

Ductile Iron Pipe Fittings:					
Models	Pressure Level				
Flanged Sockets	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Flanged Spigots	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Mechanical Joint & Socket Joint Collars	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Socket 90° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Socket 45° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Socket 22.5° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Socket 11.25° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double-Socket Tees with Flanged Branch	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Flange 90° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Flange 45° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Flange 22.5° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Flange 11.25° Bends	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Flange Duckfoot 90° Bend	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 1000	DN 80 – DN 1000	DN 80 – DN 1600	DN 80 – DN 1000
All Flange Tees	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 50 – DN 2000	DN 50 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
All Socket Tees	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 2000	DN 80 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Double Socket Tapers	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 80 – DN 1000	DN 80 – DN 1000	DN 80 – DN 1600	DN 80 – DN 1000
Double Flange Tapers	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 50 – DN 2000	DN 50 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Blank Flanges	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 50 – DN 2000	DN 50 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Reducing Flanges	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 50 – DN 2000	DN 50 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000
Flanges	Materials	PN10	PN16	PN25	PN40
	Ductile Iron	DN 50 – DN 2000	DN 50 – DN 2000	DN 80 – DN 1600	DN 80 – DN 1000

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# Annex I

No. 0P210513.SSIUN36

Test Report / Technical Construction File no. TPSX21042830701

Models	Nominal Size	Materials
Carbon Steel SMLS Pipe and Tubes	17-610MM	Carbon Steel Gr.B -API 5L X70
Carbon Steel ERW Pipe and Tubes	21.3-660MM	Carbon Steel Gr.B -API 5L X70
Carbon Steel LSAW Pipe and Tubes	406-1620MM	Carbon Steel Gr.B -API 5L X70
Carbon Steel SSAW Pipe and Tubes	219-3620MM	Carbon Steel Gr.B -API 5L X70
Carbon Steel Pipe Fittings	21.3 - 1620MM	Carbon Steel Gr.B -API 5L X70
Stainless Steel SMLS Pipe and Tubes	6-762MM	SS304, SS304L, SS316, SS316L
Stainless Steel WELD Pipe and Tubes	6-762MM	SS304, SS304L, SS316, SS316L
Stainless Steel Pipe Fittings	6-762MM	SS304, SS304L, SS316, SS316L



# Certificate of Compliance

No. 0P210513.SSIUN36

Test Report / Technical Construction File no. TPSX21042830701

Certificate's  
Holder:

SHANXI SOLID INDUSTRIAL CO., LTD.  
28F, No.8 Changxing South Street, Jinyuan District,  
Taiyuan, Shanxi, China.

Certification ECM  
Mark:



Product:  
Model(s):

Steel Pipes and Fittings  
(see the following annex)

Verification to:

Standard:  
EN 10217:2002, EN 10210:2006,  
EN 10255:2004, BS 1387:1985  
API 5L PSL1/PSL 2, ASTM A53, ASTM A106,  
ANSI B16.9

related to CE Directive(s):  
2014/68/EU (Pressure Equipment)  
Annex III Module H

**Remark:** This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01\_ECM rev.3 available at: [www.entecerma.it](http://www.entecerma.it)

**Issuance date: 13 May 2021**

**Expiry date: 12 May 2026**

Reviewer  
Technical expert  
Amanda Payne

Approver  
ECM Service Director  
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# Annex I

No. 0P231012.SSICC43

Model(s):

Models	Materials	Pressure Level			
		PN10	PN16	PN25	PN40
GATE VALVE	Ductile Cast Iron / Carbon Steel	DN15- DN1000	DN15- DN1000	DN15- DN1000	DN15- DN1000
BUTTERFLY VALVE	Ductile Cast Iron / Carbon Steel	DN40- DN2000	DN40- DN2000	DN40- DN2000	DN40- DN2000
CHECK VALVE	Ductile Cast Iron / Carbon Steel	DN40- DN1000	DN40- DN1000	DN40- DN1000	DN40- DN1000
GLOBE VALVE	Ductile Cast Iron / Carbon Steel	DN15- DN400	DN15- DN400	DN15- DN400	DN15- DN400
BALL VALVE	Ductile Cast Iron / Carbon Steel	DN15- DN800	DN15- DN800	DN15- DN800	DN15- DN800
AIR VALVE	Ductile Cast Iron / Carbon Steel	DN15- DN300	DN15- DN300	DN15- DN300	DN15- DN300
STRAINER	Ductile Cast Iron / Carbon Steel	DN15- DN800	DN15- DN800	DN15- DN800	DN15- DN800
WATER METER	Ductile Cast Iron / Carbon Steel	DN40- DN1200	DN40- DN1200	DN40- DN1200	DN40- DN1200
EXPANSION JOINTS	Ductile Cast Iron / Carbon Steel	DN15- DN2000	DN15- DN2000	DN15- DN2000	DN15- DN2000
DISMANTLING JOINTS	Ductile Cast Iron / Carbon Steel	DN40- DN3000	DN40- DN3000	DN40- DN3000	DN40- DN3000
FLANGE ADAPTOR	Ductile Cast Iron / Carbon Steel	DN40- DN1200	DN40- DN1200	DN40- DN1200	DN40- DN1200
FLEXIBLE COUPLING	Ductile Cast Iron / Carbon Steel	DN40- DN1200	DN40- DN1200	DN40- DN1200	DN40- DN1200

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