



SZUTEST Uygunluk Değerlendirme A.Ş. / İstanbul - Türkiye
Onaylanmış Kuruluş 2195



(1) **EU-TYPE EXAMINATION CERTIFICATE**
(Annex III – Module B)

(2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: 2195 25 ATEX 011 X

(4) Equipment or Protective System : **Solenoid Valve**
Model No: **SV10**

(5) Manufacturer/Applicant: **Pishro Sanat Amal Company (Ltd.)**

(6) Manufacturer/Applicant Address:
No.28, Ava Alley, 22th street, Chahardangeh Industrial town, Tehran, Iran

(7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents there in referred to.

(8) Szutest Uygunluk Değerlendirme A.Ş. Notified Body number 2195 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective system intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number.

Report No: SZUTEST-25045UR03-Rev00

Date: 14.02.2025

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-1:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

(11) This EU-Type examination certificate relates only to the design and construction of the specified equipment or protective equipment in the scope of 2014/34/EU Annex III. Future requirements of the Directive applies to the production process and the provision of equipment or protective system. These are not discussed in this certificate.

(12) Marking of the equipment or protective system must include the following;



II 2G Ex db IIC T5 Gb



Yayın Tarihi: 10.03.2025
Issue Date

Revizyon Tarihi/No: 00
Revision Date

Rubye BALKAN
Genel Müdür Yardımcısı
Deputy General Manager

SZUTEST



SZUTEST Uygunluk Değerlendirme A.Ş. / İstanbul - Türkiye
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(13) ANNEX

(14) EU-Type Examination Certificate Number: 2195 25 ATEX 011 X

(15) **Description of Equipment and/or Protective System:**

- Type SV10 solenoid valve (SOV) is a heavy duty and robust construction stainless steel solenoid valve 3/2 with ¼ in ports, using for on/off duty or diverting flow between 3 ports.
- This device is use for gas or liquid flow due to direct action of operator.
- Cable entry of ISO M20x1.5 is used for connecting Ex cable gland for using in hazardous area.
- Major advantage of this SOV is easy maintenance and replaceable spare part without removing device from service.
- This SOV can be use in any service and harsh environment due to Full stainless-steel enclosure and internal parts.
- Rotating enclosure helps user to enter cable in any direction
- Leakage ports in top and bottom of body use for detecting leakage in case of seals damage and needs for replacing the spare parts
- 2 Taps of M6 in both sides of body use for mounting in any direction on control panels
- 2 Earth connections, one near the cable entry and one inside enclosure, are used for internal and external earthing the device.

Electrical characteristics:

- Rated voltage: 24 VDC
- Rated current: Max. 0.180 A
- Rated power: Max 6 W
- Rated frequency: -

Degree of protection (IP code):

The equipment enclosures were verified for an IP66 ingress rating.

Ambient temperature and temperature class:

The ambient temperature of the device : $-30^{\circ}\text{C} \leq T_a \leq +90^{\circ}\text{C}$

The ambient temperature class : T5

Warnings:

"WARNING – DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT"

(16) **Reference Report Number**

(16.1) The manufacturer as the holder of this EU type-examination certificate, is required to comply with the production control requirements in accordance with the directive 2014/34/EU for marketing its product.

(16.2) **Routine Test:**

The manufacturer shall carry out routine tests prescribed in clause 27 of EN 60079-0.

According to the method in clause 15.2.3 of EN 60079-1, 100% of the production shall be subjected to an overpressure test at 7.5 bars on the product.

Yayın Tarihi: 10.03.2025
Issue Date

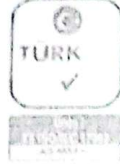
Revizyon Tarihi/No: 00
Revision Date

R. KİYMİ BALKAN
Genel Müdür Yardımcısı
Deputy General Manager

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(13) ANNEX

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(16) Reference Report Number

(16.3) Installation conditions:

The equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified in clause 1 of EN 60079-0. Installation and use in atmospheric and environmental conditions that are out of the above-mentioned intervals request special considerations and additional measures by the side of the installer or user.

These should be specified to the manufacturer by the user;

It is not a requirement of the applicable standards listed in (9) that the certification body confirms suitability for the adverse conditions. Installation of equipment shall be done according to EN 60079-14 Standard requirements.

(17) Special Conditions for Safe Use:

- Special ambient temperature -30°C to 90°C.
- For connecting to external circuits, ATEX certified cable glands or blanking elements with characteristics of the equipment in the sense of type of protection, Gas group, Ambient temperature, and IP code shall be used by the end-user or installer.
- The flameproof joints are not intended to be repaired.
- The equipment is always to be bonded via the suitable external earth connection.

(18) Essential Health and Safety Requirements:

Covered by standards listed at 9.

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in (9).

This Certificate does not cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered EN 60079-0:2018.

(19) Documentation List:

No	File Name	Received Date	Rev.
01	Company Profile	26.01.2025	00
02	Description of product	26.01.2025	00
03	Product Design	26.01.2025	00
04	Risk Analysis	26.01.2025	00
05	User Guideline	26.01.2025	00
06	Result of Design	26.01.2025	00
07	Test Report & Test Records	26.01.2025	00

(20) Variation: 1st issue

Yayın Tarihi: 10.03.2025
Issue Date

Revizyon Tarihi/No: 00
Revision Date

Rukiye BALKAN
Genel Müdür Yardımcısı
Deputy General Manager

SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş.

Maltepe Mahallesi, Akınhan Sk. No:1 Ümraniye 2-4774 İSTANBUL / TÜRKİYE

ATEX 21 (X) R2

شماره سریال: 03-01	صفحه ۱ از ۱	شماره مدرک: F=82-10	فرم گزارش آزمون (Test Report)	
	تاریخ: 03/08/17	شماره بازنگری: 2		

نوع محموله: نمونه آزمایشی ☒ تولید یک روز خطا ☐ تولید انبوه ☐	
شماره فنی قطعه: P2518 نام سفارش دهنده: ماشین کار / MSF تاریخ تولید: 03/08/16 تاریخ صدور: 03/08/17	نام قطعه: پوسته شیر برقی تعداد کل قطعات: تعداد بسته:
نوع آلیاژ: ASTM A351 CF8M	

C	Si	Mn	P	S	Cr	Ni	Mo	Fe	ترکیبات (%)		تعداد نمونه	طرح نمونه گیری و شماره استاندارد	آباز: سیمنسی
									Min	Max			
0.08	1.50	1.50	0.04	0.04	18.0	9.0	2.0	Base					
0.077	1.24	0.87	0.033	<0.005	18.1	9.33	2.14		1		2		
0.072	1.20	0.91	0.031	0.009	18.2	9.49	2.07		2				

کنترل ظاهری	طرح نمونه گیری	دستگاه اندازه گیری	تعداد نمونه	محدوده مجاز	عدم خرابی سطوح از نظر ترک، خطاهای ریخته گری، مک، بیرون زدگی روی کل سطوح، وجود لپه های تیز، دفرمگی قطعه، نیامد، سردجوشی و آخال	
					کلیه قطعات	نتایج
	100%	نمونه شاهد			OK	

توضیحات:

این قطعه بصورت آزمایشی و جهت تأیید ابعادی با آلیاژ SS316 تولید و ارسال گردید، در صورت تأیید قطعه مذکور، در تولید انبوه آن با آلیاژ اصلی که SS316L میباشد تولید و ارسال میگردد.

قطعات با کد 1 و بیرون کد ارسال شده اند لذا خواهشمندیم نتایج آزمون های غیرمخرب با توجه به کدگذاری انجام شده به این شرکت اعلام گردد.

(Signature)

نتیجه کنترل بر اساس استانداردها و Test Plan دریافتی از سوی مشتری: ☒ مطابقت دارد ☐ مطابقت ندارد			
تایید کننده	صادر کننده	سمت	مشخصات صادر کننده و تایید کننده گزارش
مدیر کنترل کیفیت	مسئول آزمایشگاه کنترل کیفیت	نام و نام خانوادگی	
نازنین محمدی	نازنین فرزانه	تاریخ و امضا	

مسئول کنترل کیفیت
ریخته گری دقیق
واحد
«کنترل کیفیت»



Date/تاریخ: _____
شماره: _____
پوست: _____

Sample: 5Shanbeh--03-08-17--Poosteh Shir Barghi
Date: 11/7/2024
Time: 8:13:38 AM

	Fe	C	Si	Mn	P	S	Cr	Mo
Ave	67.5	0.0755	1.22	0.896	0.0324	0.0073	18.1	2.12
	Ni	Al	Co	Cu	Nb	Ti	V	W
	0.42	0.0029	0.260	0.130	0.0181	0.0046	0.0897	0.0200



صنعت گستر
ریخته گری دقیق

واحد
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فاز ۳ بلوار بیستون، خیابان پنجم
تلفن: ۰۸۳-۳۴۷۳۳۵۴۷
فکس: ۰۸۳-۳۴۷۳۳۶۲۴

