

(1) **EU TECHNICAL FILE RECEIPT****Internal Production Control Procedure**(2) **Receipt of document regarding equipment for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**(3) Technical File Number: **FN.EX.30028**Application date: **10.07.2024**(4) Product: **RX Series Pneumatic Actuators***This document applies for Nonelectrical Equipment intended use in potentially explosive atmospheres.*(5) Firm Name: **SMS Sanayi Malzemeleri Üretim ve Satış A.Ş.**(6) Office Address : **Bostancı Yolu Kuru Sokak No: 16 Y.Dudullu Ümraniye, İstanbul – TÜRKİYE**Production Address : **Çerkeşli OSB Mahallesi İMES-2 Cad. B Blok No:5 Dilovası, Kocaeli - TÜRKİYE**

(7) IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti, in accordance with Article 17 of the Directive 2014/34/EU confirm the receipt of documents regarding equipment intended for use in potentially explosive atmosphere, as required by article 13.1.b.ii and Annex II of the same directive.

(8) Classification:  **II 2G Ex h IIC T5 Gb , II 2D Ex h IIC T 135°C Db**

(9) IEP does not make any kind of check on the completeness and correctness of the documents forming the Technical File. IEP holds the Technical File for at least ten years from the date of the last manufactured apparatus. In case of lack of a written acknowledgement from the manufacturer about the intention of maintaining the Technical File deposit, IEP will hold the TECHNICAL FILE in Its archives for 10 years, starting from the date this receipt is issued. This receipt can be reproduced only entirely and with no change.

First publication date : 12.09.2024**Last date of retention : 11.09.2034****Responsible Person :**

Nurettin Terzioğlu
Head of Certification Body





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(10) Schedule (FN.EX.30028)

(11) Description of Equipment; Product Coding System

RX x x x x x x

FLANGE TYPE (ISO 5211)

- | | | |
|---|---------|--------------|
| 1 | F03 | Ø36 mm |
| 2 | F03/F05 | Ø36/Ø50 mm |
| 3 | F04 | Ø42 mm |
| 4 | F04/F07 | Ø42/Ø70 mm |
| 5 | F05/F07 | Ø50/Ø70 mm |
| 6 | F07/F10 | Ø70/Ø102 mm |
| 7 | F10/F14 | Ø102/Ø140 mm |
| 8 | F14 | Ø140 mm |
| 9 | F16 | Ø165 mm |

ASSEMBLY CODES

- | | |
|----|--------------------------------------|
| 01 | SPRING TO CLOSE - CCW(OPEN) - INLINE |
| 02 | SPRING TO CLOSE - CCW(OPEN) - ACROSS |

SPRING SETS

- | | |
|-----|--|
| S00 | DOUBLE ACTING ACTUATOR |
| S02 | 2 SPRINGS (FOR MODELS 143,160,200,400) |
| S05 | 5 SPRINGS |
| S06 | 6 SPRINGS |
| S07 | 7 SPRINGS |
| S08 | 8 SPRINGS |
| S09 | 9 SPRINGS |
| S10 | 10 SPRINGS |
| S11 | 11 SPRINGS |
| S12 | 12 SPRINGS |

SQUARE HEAD DIMENSION

- | | | |
|----|----|----|
| 09 | 17 | 36 |
| 11 | 22 | |
| 14 | 27 | |

TYPE

- | | |
|----|---------------|
| SR | SPRING RETURN |
| SY | SCOTCH YORK |
| DA | DOUBLE ACTING |
| 3P | 3 POSITION |
| 8D | 180° TURN |
| 2D | 120° TURN |

BODY DIMENSION

- | | | | |
|-----|-----|-----|-----|
| 032 | 080 | 143 | 350 |
| 040 | 100 | 160 | 400 |
| 060 | 120 | 200 | |

SPECIFICATION

RX EXPROOF

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Şirketi
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(12) Schedule (FN.EX.30028)

(13) Technical Details;

Pneumatic Actuator	Operating Pressures[bar]		Torques[Nm]	
	Min	Max	Min	Max
Double Acting	2,5	8	2	3876
Spring Return	4	8	2,2	2625

Working temperature : (- 20 ; + 80) °C

IP Protection : IP 67

(14) List of Documentation;

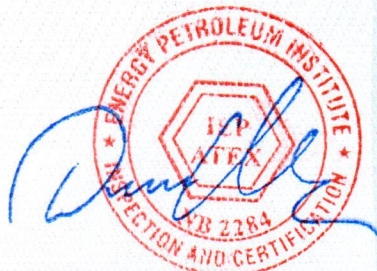
RX Series Pneumatic Actuators series user manual date 02.01.2013 (23 pages)

RX Series Pneumatic Actuators series new user manual date 25.05.2022 (23 pages)

Drawing Nr ;	Drawing Name ;	Date ;
RX.032.SY.00	Exploded picture	04.09.2012
RX.143.SR.00	Exploded picture	04.09.2012
RX.060.SR.00	Exploded picture	04.09.2012
RX.143.DA.00	Exploded picture	04.09.2012
RX.060.DA.00	Exploded picture	04.09.2012
RX.143.SR.10.00	Exploded picture	04.09.2012
RX.060.SR.10.00	Exploded picture	04.09.2012
RX.060.3P.00	Exploded picture	04.09.2012
T-PA.00	Exploded picture	04.09.2012
GVD01AK000060-01	Body	04.09.2012
PST16AK000060-01.00	Piston	04.09.2012
KPK16KSOL060-01.00	Cap left	04.09.2012
KPK16AKSAG060-01	Cap right	04.09.2012
MIL20AKO60X11.00	Pinion	04.09.2012
STP06AK000060.00	Stop arrangement	04.09.2012
DEL38PISSRT060.00	Bearing	05.09.2012
DEL38PISHT060.00	Piston sliding	05.09.2012
CON30AKKPK060.00	O ring	05.09.2012
DEL38MILALT060.00	Bearing	05.09.2012
DEL38MILUST060.00	Bearing	05.09.2012
DEL38MILS00060.00	Thrust bearing	10.09.2012
INDICATOR.00	Indicator	04.06.2012
YB.TPK.00	Ground connector	22.08.2012
SPRING HOLDER 60M.00	Spring holder	04.06.2012
CVT060YSM4X35.00	Bolt	26.06.2012

Responsible Person:

Nurettin Terzioglu
Head of Certification Body



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(15) Schedule (FN.EX.30028)

(16) List of documentation more ;

SPRING HOLDER 60M.00	Spring holder 1	04.06.2012
SPRING HOLDER601.00	Spring holder 2	04.06.2012
YAY24AK00060.00	Spring	26.07.2012
T-PV.02	Exploded Picture	04.09.2012
GVD17AK000143-0100	Body	04.09.2012
PST17AK000143-01.00	Piston	10.09.2012
KPK17AKSR0143-01.00	Cap	10.09.2012
KPK17AKSR0143-01.00	Cap 2	11.09.2012
YAY24AK0000143.00	Spring	30.07.2012
MIL20AK14322.00	Pinion	31.08.2012
DEL38PISHAL143.00	Piston back	07.09.2012
DEL38PISHAL143.00	Piston sliding	07.09.2012
DEL38MILALT143.00	Pinion bottom	07.09.2012
DEL38MILUST143.00	Pinion top	07.09.2012
DEL38MILSEG143.00	Pinion	07.09.2012
INDICATOR.01.00	Indicator	04.06.2012
YB.TPK.00	Ground connector	22.08.2012
2.1.4	Zone drawing	20.06.2012
2.1.5	Label	03.01.2013
2.1.5 Rev.	Label	23.05.2022

(17) RX Series Pneumatic Actuators series are indicated in the parts list Nr: T-PA.00 and date 04.09.2012. All used parts are the same as other types.

X: To must be used to the exproof equipment for the actuator.

This certificate is in the contents of standards that mentioned in item [9] It has been accepted that RX Series Pneumatic Actuators series are manufactured according to the producer instructions and the standards mentioned above. Production of the declaration given by the company.

Note: Certificate number FN.EX.30003 has expired and the certificate number has been changed to FN.EX.30028.

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue : 12.09.2024

