



**Pneumax S.p.A.**  
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**(IT) - ISTRUZIONI DI INSTALLAZIONE USO E MANUTENZIONE CILINDRI X1540-X1541-X1544-X1545-X1546-X1547- X1550-X1551-X1555-X1556-X1557 A NORME ISO 21287**  
**(GB) - INSTALLATION, USE AND MAINTENANCE INSTRUCTIONS FOR CYLINDERS SERIES X1540-X1541-X1544-X1545-X1546-X1547- X1550-X1551-X1555-X1556-X1557 ISO 21287 STANDARD**



**TX100011/IST**

**NOTE GENERALI**

Questo documento fornisce le indicazioni generali per l'installazione, l'utilizzo e la manutenzione del prodotto a cui è alle gato destinato all'impiego in atmosfere potenzialmente esplosive secondo quanto richiesto dalla Direttiva 2014/34/UE – ATEX e UK Regulation S.I. 2016 No. 1107 (as amended).

**IL PRESENTE DOCUMENTO È VALIDO PER I SEGUENTI PRODOTTI**

Cilindri serie X1540-X1541-X1544-X1545-X1546-X1547-X1550-X1551-X1555-X1556- X1557 (cilindri a norme ISO 21287 classificati per l'impiego in atmosfera potenzialmente esplosiva) e accessori.

**REQUISITI ESSENZIALI IN MATERIA DI SICUREZZA e SALUTE**

Questi cilindri sono progettati secondo l'allegato II della Direttiva ATEX 2014/34/UE, Schedule 1 UK Regulation S.I. 2016 No. 1107 (as amended) e secondo le norme EN ISO 80079-36:2016 e EN ISO 80079-37:2016, secondo i requisiti costruttivi della sicurezza costruttiva "c" e sono classificati nel seguente modo:

**ENGLISH**

**GENERAL NOTES**

This document provides general advice for the installation, use and maintenance of products designated for use in potentially explosive atmospheres as stipulated by the 2014/34/UE – ATEX Directive and UK Regulation S.I. 2016 No. 1107 (as amended).

**THIS DOCUMENT IS VALID FOR THE FOLLOWING PRODUCTS**

Cylinders series X1540-X1541-X1544-X1545-X1546-X1547-X1550-X1551-X1555-X1556- X1557 (ISO 21287 cylinders classified for use in potentially explosive atmospheres) and accessories.

**ESSENTIAL HEALTH AND SAFETY REQUIREMENT**

These cylinders have been designed in accordance with Annex II of the Schedule 1 UK Regulation S.I. 2016 No. 1107 (as amended) and the standards EN ISO 80079-36:2016 and EN ISO 80079-37:2016, according the request of constructional safety "c" and the classification is as follows:

**ITALIANO**

**GENERAL NOTES**

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**THIS DOCUMENT IS VALID FOR THE FOLLOWING PRODUCTS**

Cylinders series X1540-X1541-X1544-X1545-X1546-X1547-X1550-X1551-X1555-X1556- X1557 (ISO 21287 cylinders classified for use in potentially explosive atmospheres) and accessories.

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<p><b>NBR seals version magnetic and non magnetic:</b> basic female thread, basic male thread, push/pull, push/pull bored rod, simple effect, with non-rotating device, non-cushioned, with adjustable end, stainless steel rod and tandem versions</p> <p><b>Versioni guarniz. NBR magnetico e non magnetico:</b> base fl. femmina, base fl. maschio stelo passante, stelo passante forato, semplice effetto, con antiorotazione, non ammortizzato, con sistema di ammortizzo, stelo inox e tandem</p> <p>code:15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(0,1)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p>	<p></p> <p><b>II 2G Ex h IIC T6...T4 Gb X</b> <b>II 2D Ex h IIIC T85°C...T110°C Db X</b></p> <p>-5°CStas45°C (T6/T85°C) -5°CStas60°C (T5/T100°C) -5°CStas70°C (T4/T110°C)</p>
<p><b>PUR seals version, magnetic and non magnetic piston</b></p> <p><b>Versioni guarniz. PUR magnetico e non magnetico</b></p> <p>code:15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6) and X15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6)</p> <p>code:15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6) and X15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6)</p> <p>code:15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6) and X15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6)</p> <p>code:15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6) and X15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6)</p> <p>code:15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6) and X15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6)</p> <p>code:15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6) and X15_(4,5)_(4,5)Ø stroke... (01,02,03,04,05,06,07,08,09)... (4,5,6)</p>	<p></p> <p><b>II 2G Ex h IIC T6...T4 Gb X</b> <b>II 2D Ex h IIIC T85°C...T120°C Db X</b></p> <p>-30°CStas45°C (T6/T85°C) -30°CStas60°C (T5/T100°C) -30°CStas80°C (T4/T120°C)</p>
<p><b>FPM seals version, non magnetic piston</b></p> <p><b>Versione guarniz. FPM, pistone inox magnetico</b></p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p>	<p></p> <p><b>II 2G Ex h IIC T6...T3 Gb X</b> <b>II 2D Ex h IIIC T85°C...T190°C Db X</b></p> <p>-5°CStas45°C (T6/T85°C) -5°CStas60°C (T5/T100°C) -5°CStas95°C (T4/T135°C) -5°CStas150°C (T3/T190°C)</p>
<p><b>PPM seals version, magnetic piston</b></p> <p><b>Versione guarniz. PPM, pistone inox magnetico</b></p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p> <p>code:15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6) and X15_(4,5)_(6,7)Ø stroke... (01,02,03,04,05,06,07,08,09)... (1,2,3,4,5,6)</p>	<p></p> <p><b>II 2G Ex h IIC T6...T4 Gb X</b> <b>II 2D Ex h IIIC T85°C...T120°C Db X</b></p> <p>-5°CStas45°C (T6/T85°C) -5°CStas60°C (T5/T100°C) -5°CStas80°C (T4/T120°C)</p>

**Fascicolo Tecnico / Technical File for ATEX directive 20143/34/UE**

(nome del fascicolo tecnico depositato c/o organismo notificato) // (storage of technical file to notified body):  
**TX190002/DTP**

**UTILIZZO**

Utilizzare il cilindro rispettando il range di temperatura indicato e la velocità massima di 1 m/sec.

**ALIMENTAZIONE**

Alimentare il cilindro con aria filtrata 20 micron. La lubrificazione non è necessaria, qualora si decida di lubrificare il circuito, l'apporto di olio dovrà essere costante nel tempo (evitare di interrompere la lubrificazione).

**LIMITI DI IMPIEGO**

Verificare che il range di temperatura ambiente di ogni componente della configurazione di installazione sia idoneo alla zona di utilizzo.

**AVVERTENZE PER L'INSTALLAZIONE**

Evitare urti violenti all'estremità della corsa, per la versione ammortizzata regolare l'apertura di rimbasso nella fase iniziale di esplosiva.  
Ricordare le bocche di scarico della valvola di comando in modo che l'aria in scarico possa essere evacuata in una zona al di fuori dell'atmosfera potenzialmente esplosiva (in presenza di polveri). La presenza di scariche elettrostatiche potrebbe dare origine a scintille. Per evitare la formazione di cariche elettrostatiche, verificare non esistano parti metalliche isolate e che sia sempre garantita e assicurata nel tempo la messa a terra del cilindro, sia della struttura fissa (testate/camicia/fissaggi/cilindri), sia delle parti in movimento (stelo/accessori stelo).

Evitare di coprire le parti metalliche del cilindro con oggetti metallici che potrebbero generare scintille di origine meccanica (per esempio parti in ferro arrugginito contro le testate o la camicia in alluminio del cilindro).  
Non effettuare modifiche al cilindro (qualsiasi modifica porterà al decadimento della dichiarazione di conformità del prodotto).

Eventuali componenti elettrici, opzionali, montati sul cilindro, devono essere oggetto di certificazione ATEX separata, idonei alla zona di installazione e categoria (2GD o migliore), al gruppo di gas, alla classe di temperatura/massima temperatura superficiale e alla temp. ambiente.

In caso di utilizzo a temperatura ambiente <0°C, è necessario prevedere un essiccatore che possa garantire un punto di rugiada inferiore alla temperatura di impiego.

Effettuare l'installazione rispettando i requisiti di sicurezza relativi a sistemi e ai loro componenti per trasmissioni oleoidrauliche e pneumatiche.

**MANUTENZIONE**

Verificare ogni 250 km di percorrenza del cilindro il buon funzionamento dello stesso verificando che lo stelo non presenti rigature superficiali, che non vi siano perdite dalla guarnizione dello stelo, che non vi siano travasi d'aria tra le camere del pistone e che il cilindro non presenti ammaccature superficiali. In caso di presenza di una delle anomalie precedentemente descritte, sostituire il cilindro con uno nuovo.  
Rimuovere periodicamente eventuali residui di polvere presenti sulle superfici esterne del cilindro.

**USE**

These cylinders must be used within the indicated temperature range and with a maximum speed of 1m/sec. The air supply must be filtered to 20 microns. Air lubrication is not required, although if lubrication is used it should be continuous (avoid later non-lubrication).

**OPERATING LIMITS**

The user shall check that the ambient temperature range of each component of the installation configuration is suitable for the area of use.

**ADVICE FOR INSTALLATION**

Avoid heavy impact at the ends of stroke. On cushioned versions adjust the flow control valve as necessary to avoid a "bounce effect" during the initial phase of cushioning.  
Connect the exhaust ports of the control valve to flow controllers outside the hazardous area (particularly in dust applications).

Avoid striking the surface of the cylinder with metallic objects that could generate mechanical spark (for example, a rusted iron part striking the aluminium cylinder end caps) in order to prevent electrostatic charges from building up ensure that no metallic parts are isolated, at the same time ensure that the cylinder is earthed on the fixed structure (end caps, barrel, mounting) and on the moving parts (rods and rod accessories).

Do not modify the cylinder in any way. Any modification will affect the certification of the product.

Any electrical components (optional) fitted to the cylinder must be certified with their own separate ATEX certification. This must meet the required ATEX category (2GD or better) and be suitable for installation in the required environment, considering the group of gas, the temperature class, maximum surface temperature and environmental temperature. In the case of use below 0°C, it is necessary to remove the moisture in the air with a compressed air dryer that has a dew point lower than the cylinders operating temperature. Installation should be performed in accordance with the safety requirements for fluid power systems and their components: Pneumatics Hydraulic fields

**MAINTENANCE**

We recommend that the function of the cylinder is checked after every 250 km of use.

Ensure the piston rod is not damaged, that there is no leakage from the piston rod seal or across the piston, and that the external surfaces of the cylinder are undamaged. If any of these checks discover a fault, the cylinder should be replaced.  
Periodically remove any dust that has accumulated on the surfaces of the cylinder.

**ACCESSORI/ ACCESSORIES**

Per questi cilindri è possibile utilizzare i seguenti accessori/ The following accessories are available for these cylinders:

CODICE / CODE	DESCRIZIONE	FISSAGGI STANDARD / STANDARD FIXING DEVICES	DESCRIZIONE
1380.Ø.09F	CERNIERA POSTERIORE FEMMINA (Ø32-Ø100)		REAR CLEVIS (Ø32-Ø100)
1580.Ø.09/1F	REAR MALE CLEVIS (Ø20-Ø25)		REAR MALE CLEVIS (Ø20-Ø25)
1380.Ø.09/1F	CERNIERA POSTERIORE MASCHIO (Ø32-Ø100)		REAR MALE CLEVIS (Ø32-Ø100)
1380.Ø.10F	ARTICOLAZIONE A SQUADRA (Ø32-Ø100)		STANDARD TRUNNION (Ø32-Ø100)
1380.Ø.11F	ARTICOLAZIONE NORMALE (Ø32-Ø100)		REAR TRUNNION WITH SUPPORT BRACKET (Ø32-Ø100)
1380.Ø.15F	CERN. POST. MASC. con testina snodata (Ø32-Ø100)		REAR MALE CLEVIS (Ø32-Ø100)
1380.Ø.30F	CERNIERA POSTERIORE STRETTA (Ø32-Ø100)		REAR NARROW CLEVIS (Ø32-Ø100)
1380.Ø.35F	ARTICOLAZIONE A SQUADRA (Ø32-Ø100)		SQUARE SINGLE TRUNNION (Ø32-Ø100)
1380.Ø.36F	ARTICOL. NORMALE COMPLETA DIN 648K (Ø32-Ø100)		COMPLETE STANDARD TRUNNION DIN 648K (Ø32-Ø100)

CODICE / CODE	DESCRIZIONE	FISSAGGI IN ACCIAIO / STEEL FIXING DEVICES	DESCRIZIONE
1200.20.04	FORCELLA PER STELO (Ø20-Ø25)		ROD FORKS, WITH PIN (Ø20-Ø25)
1320.32.13F	FORCELLA PER STELO (Ø32-Ø40)		ROD FORKS, WITH PIN (Ø32-Ø40)
1320.40.13F	FORCELLA PER STELO (Ø50-Ø63)		ROD FORKS, WITH PIN (Ø50-Ø63)
1320.50.13F	FORCELLA PER STELO (Ø80-Ø100)		ROD FORKS, WITH PIN (Ø80-Ø100)
1200.20.04/1	FORCELLA PER STELO CON CLIPS (Ø20-Ø25)		ROD FORKS, WITH CLIP (Ø20-Ø25)
1320.32.13/1F	FORCELLA PER STELO CON CLIPS (Ø32-Ø40)		ROD FORKS, WITH CLIP (Ø32-Ø40)
1320.40.13/1F	FORCELLA PER STELO CON CLIPS (Ø50-Ø63)		ROD FORKS, WITH CLIP (Ø50-Ø63)
1200.20.06	DADO STELO (Ø20-Ø25)		ROD NUTS (Ø20-Ø25)
1320.32.18F	DADO STELO (Ø32-Ø40)		ROD NUTS (Ø32-Ø40)
1320.40.18F	DADO STELO (Ø50-Ø63)		ROD NUTS (Ø50-Ø63)
1200.20.32	SNODO SFERICO (Ø20-Ø25)		BALL JOINT (Ø20-Ø25)
1320.32.32F	SNODO SFERICO (Ø32-Ø40)		BALL JOINT (Ø32-Ø40)
1320.40.32F	SNODO SFERICO (Ø50-Ø63)		BALL JOINT (Ø50-Ø63)
1200.20.32F	GIUNTO AUTOALLINEANTE (Ø20-Ø25)		SELF-ALIGNING JOINT (Ø20-Ø25)

CODICE / CODE	DESCRIZIONE	DESCRIZIONE
1320.32.33F	GIUNTO AUTOALLINEANTE (Ø32-Ø40)	SELF-ALIGNING JOINT (Ø32-Ø40)
1320.40.33F	GIUNTO AUTOALLINEANTE (Ø50-Ø63)	SELF-ALIGNING JOINT (Ø50-Ø63)
1320.50.33F	GIUNTO AUTOALLINEANTE (Ø80-Ø100)	SELF-ALIGNING JOINT (Ø80-Ø100)
1540.Ø.03F	FLANGIA (Ø20-Ø25)	FRONT FLANGES (Ø20-Ø25)
1380.Ø.03F	FLANGIA (Ø32-Ø100)	FRONT FLANGES (Ø32-Ø100)
1320.Ø.20F	CERNIERA POSTERIORE (Ø32-Ø100)	REAR CLEVIS (Ø32-Ø100)
1320.Ø.21F	CERNIERA POSTERIORE MASCHIO (Ø32-Ø100)	REAR MALE CLEVIS (Ø32-Ø100)
1320.Ø.22F	ARTICOLAZIONE NORMALE COMPLETA (Ø32-Ø100)	COMPLETE STANDARD TRUNNION (Ø32-Ø100)
1320.Ø.25F	CERN. POST. MASCHIO con testina snodata (Ø32-Ø100)	REAR MALE CLEVIS DIN 648K (Ø32-Ø100)
1320.Ø.26F	ARTICOL. NORMALE COMPLETA DIN 648K (Ø32-Ø100)	COMPLETE STANDARD TRUNNION (Ø32-Ø100)
1320.Ø.27F	ARTICOL. A SQUADRA COMPLETA DIN 648K (Ø32-Ø100)	COMPL. SQU. ANGLE TRUNN. DIN 648K (Ø32-Ø100)
1580.Ø.29F	CERNIERA POSTERIORE MASCHIO (Ø20-Ø25)	REAR MALE CLEVIS (Ø20-Ø25)
1500.Ø.0F	DADO M4 PER MONTAGGIO DIRETTO DISTRIBUTORE	SMALL SLOT FIXING NUT M4
1540.Ø.05/1F	PIEDINI	SHORT MOUNTING FOOT BRACKETS

Questi accessori sono stati analizzati e l'analisi dei componenti dimostra che i singoli elementi NON HANNO POTENZIALI FONTI DI INNESSO e di conseguenza NON RIENTRANO NEL CAMPO DI APPLICAZIONE DELLA DIRETTIVA per l'impiego per cui sono previsti.

These accessories have been analyzed, with the conclusion that these single elements DO NOT HAVE A POTENTIAL IGNITION SOURCE, and consequently DO NOT FALL WITHIN THE SCOPE OF THE DIRECTIVE for the use they are intended for.

IDENTIFICAZIONE LOTTO PRODUZIONE: la data di produzione è presente sull'etichetta del prodotto mediante 2 numeri seguiti da una lettera che identificano nell'or dine la settimana (numero progressivo da 01 a 52) e l'anno di produzione; Esempio 49D (settimana 49, anno 2016).

PRODUCTION BATCH IDENTIFICATION: the production date is indicated on the label by two numbers and a letter, representing the week (as a progressive number r from 01 to 52) and year. Example: 49D (week 49, year 2016).

**PNEUMAX**

EU/UK DECLARATION OF CONFORMITY  
DICHIARAZIONE UE/UK DI  
CONFORMITA'

TX100011/DC

DQ04/03

Pneumax S.p.A.  
Via Cascina Barbellina, 10  
24050 Lurano (BG) – Italy

Declares under its own responsibility that the product:

Dichiara sotto la propria responsabilità che il prodotto:

**Ecompact Cylinders**

X154\_ and 154\_  
X155\_ and 155\_

to which this declaration relates is in conformity with the following directives and standards or other normative document(s):

al quale questa dichiarazione si riferisce, è conforme alle seguenti direttive e norme o altri documenti normativi:

- 2014/34/UE – ATEX U.K. Regulation SI 2016 No. 1107 (as amended)
- EN ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements
- EN ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k"

The products bear the following markings:

I prodotti sono marcati con i seguenti contrassegni:

<p><b>NBR seals version magnetic and non magnetic:</b> basic female thread, basic male thread, push/pull, push/pull bored rod, simple effect, with non-rotating device, non cushioned, with adjustable end, stainless steel rod and tandem versions</p> <p><b>Versioni guarniz. NBR magnetico e non magnetico:</b> base fil. femmina, base fil. maschio stelo passante, stelo passante forato, semplice effetto, con antirrotazione, non ammortizzato, con sistema di ammortizzo, stelo inox e tandem</p> <p>code:15_(4,5)_(0,1).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(1,2,3,4,5,6) and X15_(4,5)_(0,1).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(1,2,3,4,5,6)</p> <p>code:15_(4,5)_(0,1).Ø.stroke.stroke1._(C,G,H,R,N,B,F,M,P,Q,D,A,E,L) and X15_(4,5)_(0,1).Ø.stroke.stroke1._(C,G,H,R,N,B,F,M,P,Q,D,A,E,L) code:15_(4,5)_(0,1).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6) and X15_(4,5)_(0,1).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6)</p>	<p><b>II 2G Ex h IIC T6...T4 Gb X</b> <b>II 2D Ex h IIIC T85°C..T110°C Db X</b></p> <p>–5°C≤Ta≤45°C (T6/T85°C) –5°C≤Ta≤60°C (T5/T100°C) –5°C≤Ta≤70°C (T4/T110°C)</p>
<p><b>PUR seals version, magnetic and non magnetic piston</b></p> <p><b>Versioni guarniz. PUR magnetico e non magnetico</b></p> <p>code:15_(4,5)_(4,5).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(4,5,6) and X15_(4,5)_(4,5).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(4,5,6) code:15_(4,5)_(4,5).Ø.stroke.stroke1._(C,G,H,R,N,B,F,M,P,Q,D,A,E,L) and X15_(4,5)_(4,5).Ø.stroke.stroke1._(C,G,H,R,N,B,F,M,P,Q,D,A,E,L) code:15_(4,5)_(4,5).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6) and X15_(4,5)_(4,5).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6)</p>	<p><b>II 2G Ex h IIC T6...T4 Gb X</b> <b>II 2D Ex h IIIC T85°C..T120°C Db X</b></p> <p>–30°C≤Ta≤45°C (T6/T85°C) –30°C≤Ta≤60°C (T5/T100°C) –30°C≤Ta≤80°C (T4/T120°C)</p>

**PNEUMAX**

EU/UK DECLARATION OF CONFORMITY  
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CONFORMITA'

TX100011/DC

DQ04/03

<p><b>FPM seals version, non magnetic piston</b></p> <p><b>Versione guarniz. FPM, pistone non magnetico</b></p> <p>code:15_(4,5)_(6,7).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(1,2,3,4,5,6) and X15_(4,5)_(6,7).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(1,2,3,4,5,6) code:15_(4,5)_(6,7).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6) and X15_(4,5)_(6,7).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6)</p>	<p><b>CE</b> <b>UK</b> <b>CA</b></p>	<p><b>II 2G Ex h IIC T6...T3 Gb X</b> <b>II 2D Ex h IIIC T85°C..T190°C Db X</b></p> <p>–5°C≤Ta≤45°C (T6/T85°C) –5°C≤Ta≤60°C (T5/T100°C) –5°C≤Ta≤95°C (T4/T135°C) –5°C≤Ta≤150°C (T3/T190°C)</p>
<p><b>FPM seals version, magnetic piston</b></p> <p><b>Versione guarniz. FPM, pistone magnetico</b></p> <p>code:15_(4,5)_(6,7).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(1,2,3,4,5,6) and X15_(4,5)_(6,7).Ø.stroke._(01,02,03,04,05,06,07,08,09)_(1,2,3,4,5,6) code:15_(4,5)_(6,7).Ø.stroke.stroke1._(C,G,H,R,N,B,F,M,P,Q,D,A,E,L) and X15_(4,5)_(6,7).Ø.stroke.stroke1._(C,G,H,R,N,B,F,M,P,Q,D,A,E,L) code:15_(4,5)_(6,7).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6) and X15_(4,5)_(6,7).Ø(20,25,32,40).stroke._(K1,K2,K3,K4,K5,K6,K7,K8,K9)_(1,2,3,4,5,6)</p>	<p><b>CE</b> <b>UK</b> <b>CA</b></p>	<p><b>II 2G Ex h IIC T6...T4 Gb X</b> <b>II 2D Ex h IIIC T85°C..T120°C Db X</b></p> <p>–5°C≤Ta≤45°C (T6/T85°C) –5°C≤Ta≤60°C (T5/T100°C) –5°C≤Ta≤80°C (T4/T120°C)</p>

Technical File Fascicolo tecnico  
Notified Body (EU) / Approved body (UK) Organismo Notificato  
Reference Number Numero di registrazione

PNEUMAX S.p.A.  
Lurano (BG) Italy – 09/2021

The Legal Representative  
Il Legale Rappresentante  
Rossella Bottacini

2014/34/UE – ATEX (as amended)  
TX190002/DTP  
EUROFINS E&E CML Limited (2503)  
CML 21UKEXT1213

UK Regulation S.I. 2016 No. 1107