PNEUMAX

ATEX
OVERVIEW

EN

ATEX Overview

Components for explosive atmosphere

Pneumax is offering a range of components usable in potentially explosive atmosphere and classified in different protection categories according to Directive 2014/34/UE, also known as ATEX.

ATEX Directive
2014/34 /UE

Directive ATEX 2014/34/EU (previously ATEX 94/9/EC) provides for harmonised requirements and conformity assessment procedures for electrical and non-electrical equipment, intended for use in environments which are potentially explosive due to dust or gas hazards, and protective systems. Safety devices intended for use outside explosive atmospheres, which are required for or contribute to the safe functioning of equipment or protective systems with respect to risks of explosion are also included.
ATEX Directive divides equipment into groups and categories as shown into table below.

ATEX directive divides equipment in grups and categories as shown in the following table:

GROUPS		CATEGORIES		CONDITION OF OPERATIONS
I	Underground Mines	M1	Very high level of protection	Equipment remains energised and functioning when explosive atmosphere present
		M2	High level of protection	Equipment de-energised when explosive atmosphere is recognised
II	Surface industries	1	Very high level of protection	Equipment remains energised and functioning in Zones 0,1,2 (G) and/or 20, 21, 22 (D)
		2	High level of protection	Equipment remains energised and functioning in Zones 1, 2 (G) and/or 21, 22 (D)
		3	Normal protection	Equipment remains energised and functioning in Zone 2 (G) and/or 22 (D)

The conformity assessment procedures depend on the categories (level of protection) of the intended use of the equipment.

Atmosphere Explosive

An explosive atmosphere is a mixture of flammable gases, vapours, mists or dusts with air, under specific atmospheric conditions in which, after ignition has occurred, combustion propagates to the flammable mixture.

GAS: IIA , IIB, IIC	Gas and vapours are divided into 3 sub-groups IIA, IIB and IIC depending of the characteristics of the substance. The group IIC is the most dangerous and the group IIA is the less one. Based on the substance, it is possible to identify the group to which the equipment must belong. Each equipment is suitable and approved for a gas group: equipment of IIC group can be installed also in location that require equipment of the groups IIA and IIB and IIC. Example of substances: - **IIA**: acetone, ethyl alcohol, ammonia, petrol, butane, hexane, ethane, natural gas, naphtha, propane, toluene, solvents, etc... - **IIB**: acetaldehyde, cyclopropane, ethyl ether, ethylene, etc… - **IIC**: acetylene, hydrogen, gases containing more than 25% hydrogen, carbon disulphide, etc…
DUST: IIIA, IIIB, IIIC	Dusts are into 3 sub-groups **IIIA, IIIB** and **IIIC**: - **IIIA**: fiber - **IIIB**: non conductive dust - **IIIC**: conductive dust

Directive 2014/34/EU (Manufacturer Directive) applies to equipment and protective systems (group, category, assessment procedures, marking) whereas ATEX Directive 99/92/CE (User Directive) provides for a classification of the places where explosive atmospheres may occur (zoning) and define protection level of the equipment and protective systems (groups and categories) shall be used in each zone. Hazardous locations are classified, by the User, in zones based on frequency and duration of the occurrence of explosive atmosphere.

GAS	**Zone 0**	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapour or mist is present continuously or for long periods or frequently.
	Zone 1	A place in which an explosive atmosphere consisting of a mixture with air or flammable substances in the form of gas, vapour or mist is likely to occur in normal operation occasionally.
	Zone 2	A place in which an explosive atmosphere consisting of a mixture with air of flammable substances in the form of gas, vapour or mist is not likely to occur in normal operation but, if it does occur, will persist for a short period only.
DUST	**Zone 20**	A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is present continuously, or for long periods or frequently.
	Zone 21	A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is likely to occur in normal operation occasionally.
	Zone 22	A place in which an explosive atmosphere in the form of a cloud of combustible dust in air is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

ATEX product

The products shall be provide by the appropriate identification label, which includes, in addition to the CE marking, the specific marking of explosive protection (Epsilon-x, in the hexagon) followed by the group (I or II) and category; for group II, the letter G is added for equipment for Gas while equipment for dust is identified by the letter D (Dust).

Other information usually located in marking plate are:

- **Gas/dust subgroup**
- **Type of protection**
- **Temperature class (Gas) and max surface temperature (Dust)**
- **Equipment protection level (EPL)**

Correlation between zone , category and EPL

Zone	Category	EPL
0	1G	Ga
1	2G	Gb
2	3G	Gc
20	1D	Da
21	2D	Db
22	3D	Dc

ATEX Marking

Correlation between max surface temperature and temperature class of equipment

Equipment	
Surface temperature Ts	**Class t.**
Ts < 85°C	T6
85°C < Ts <100°C	T5
100°C < Ts < 135°C	T4
135°C < Ts < 200°C	T3
200°C < Ts < 300°C	T2
300°C < Ts < 450°C	T1

Electrical products (according EN 60079-X)

CE xxxx Ex II 2 G Ex ib T4 Gb X II 2 D Ex tb T135°C Db X	
xxxx	N° of Ex Notified Body (only category 2 and 1) for quality assurance notification
II	Group
2	Category
G, D	Gas, Dust
Ex ib	Intrinsically safe "ib"
Ex tb	Dust tight enclosure "tb"
T4	Temperature class
T135°C	Maximum surface temperature
Gb, Db	EPL
X	Special condition for safe use (see instruction)

Non - Electrical products (according EN 13463-X)

CE Ex II 2 GD c T4 T135°C X	
II	Group
2	Category
G, D	Gas, Dust
c	Constructional safety "c"
T4	Temperature class
T135°C	Maximum surface temperature
X	Special condition for safe use (see instruction)

Non - Electrical products (according EN ISO 80079-36 & 80079-37) Mandatory from 10/2019

CE Ex II 2 G Ex h T4 Gb X II 2 D Ex h T135°C Db X	
II	Group
2	Category
G, D	Gas, Dust
Ex h	Protection for non - electrical equipment
T4	Temperature class
T135°C	Maximum surface temperature
Gb, Db	EPL
X	Special condition for safe use (see instruction)

Air distribution

Valves and solenoid valves

Valves and solenoid valves with spools

ATEX ON REQUEST

SERIES 104

part no. **X104_** - Valves

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T105°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Pneumatic, mechanic and manual**	**-**	**2/2, 3/2, 5/2, 5/3**	**Ø4**

ATEX ON REQUEST

SERIES 105

part no. **X105_** - Valves

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T90°C Db X	**-5°C ≤ Ta ≤ +70°C**	**Pneumatic, mechanic and manual**	**-**	**3/2, 5/2**	**M5**

part no. **X105_2640_** - Handle with valve

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIC T90°C Dc X	**-5°C ≤ Ta ≤ +70°C**	**Pneumatic, mechanic and manual**	**-**	**3/2, 5/2**	**M5**

ATEX ON REQUEST

SERIES 200

part no. **X2_** - Valves

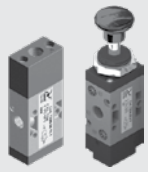
Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-5°C ≤ Ta ≤ +70°C**	**Pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4 G1/2 - G1**

part no. **X2_10_** - Valves with pedal

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIC T100°C Dc X	**-5°C ≤ Ta ≤ +70°C**	**Pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4 G1/2 - G1**

ATEX ON REQUEST

SERIES T200



part no. **X2T8_** | **X2T4_** - Pneumatic valves

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIC T96°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4**

ATEX ON REQUEST

SERIES 800

part no. **X80_11_** - Valves

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-5°C ≤ Ta ≤ +70°C**	**Pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**M5 - G1/8**

Part no. **X8_M2** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T70°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid**	**-**	**3/2, 5/2, 5/3**	**M5 - G1/8 G1/4**

part no. **X8_X_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid**	**-**	**3/2, 5/2, 5/3**	**M5 - G1/8 G1/4**

ATEX ON REQUEST

SERIES 800 (continue)

part no. **X8_ B_** | **X8_ C_** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid**	**-**	**3/2, 5/2, 5/3**	**M5 - G1/8**

part no. **X805_** | **X808_** | **X818_** - Solenoid valves with electric pilot XN3_ 15mm 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T125°C Dc X IP65	**-5°C ≤ Ta ≤ +50°C**	**Solenoid**	**-**	**3/2, 5/2, 5/3**	**M5 - G1/8**

part no. **X824_** | **X828_** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T6 Gc X II 3D Ex h IIIC T70°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/4**

ATEX ON REQUEST

SERIES 400

part no. **X4_ M2** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T6 Gb X II 2D Ex h IIIC T70°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4 G1/2**

part no. **X4_ X_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4 G1/2**

part no. **X4_ B_** | **X4_ C_** | **X4_ M_** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**2/2, 3/2, 5/2, 5/3**	**G1/8 - G1/4 G1/2**

ATEX ON REQUEST

SERIES T400

part no. **X4T8_** | **X4T4_** - Valves and solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIC T96°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4**

part no. **X4T8_** | **X4T4_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4**

part no. **X4T8_** | **X4T4_** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2, 5/3**	**G1/8 - G1/4**

ATEX ON REQUEST

SERIES 2400 LINE-FLAT-VDMA

part no. **2400_** - Solenoid valves

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T6 Gc IP65 II 3D Ex tc IIIC T=85°C Dc IP65	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**18 mm**	**5/2, 5/3, 2x3/2**	**G1/8 - G1/4 Ø6 - Ø8**

ATEX ON REQUEST

SERIES 2600 LINE-FLAT-VDMA

part no. **2600_** - Solenoid valves

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T6 Gc IP65 II 3D Ex tc IIIC T=85°C Dc IP65	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**26 mm**	**5/2, 5/3**	**G3/8 - G1/4 Ø10**

Valves and solenoid valves with spool

ATEX READY

PROCESS AUTOMATION TECHNOLOGY STAINLESS STEEL VALVES

part no. **SS11_** | **SS12_** | **SS14_** | **SS34_** - H - High temperature

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T180°C Db X	**-10°C ≤ Ta ≤ +150°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2**	**1/4" NPT 1/2" NPT**

part no. **SS11_** | **SS12_** | **SS14_** | **SS34_** - L - Low temperature

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-50°C ≤ Ta ≤ +70°C**	**Solenoid, pneumatic, mechanic and manual**	**-**	**3/2, 5/2**	**1/4" NPT 1/2" NPT**

ATEX READY

PROCESS AUTOMATION TECHNOLOGY ALUMINIUM VALVES SERIES

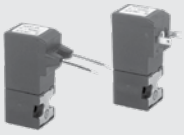
part no. **SA11_** | **SA12_** | **SA14_** | **SA38_**

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-30°C ≤ Ta ≤ +70°C**	**Pneumatic, mechanic and manual**	**-**	**3/2, 5/2**	**1/4" NPT 1/2" NPT 1" NPT**

Direct operated solenoid valves

ATEX ON REQUEST

SERIES 300



part no. **XN3_** - Direct operated solenoid valves

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T4 Gc X II 3D Ex tc IIIC T125°C Dc X IP65	**-10°C ≤ Ta ≤ 50°C**	**N.C.-N.O.**	**15 mm**	**3/2**	**-**

ATEX ON REQUEST

M SERIES (MECHANICS)

part no. **XM2_ , XM2/_** | **X3_5.M1, X3_5.M1/_** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T70°C Db X	**-10°C ≤ Ta ≤ +50°C**	**N.C.-N.O.**	**-**	**3/2**	**Ø4 - M5 G1/8**

part no. **XM2_ , XM2/_** | **X3_5.M1, X3_5.M1/_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-10°C ≤ Ta ≤ +40°C**	**N.C.-N.O.**	**-**	**3/2**	**Ø4 - M5 G1/8**

part no. **XM2_ , XM2/_** | **X3_5.M1, X3_5.M1/_** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-10°C ≤ Ta ≤ +40°C**	**N.C.-N.O.**	**-**	**3/2**	**Ø4 - M5 G1/8**

ATEX ON REQUEST

CNOMO SERIES

part no. **XM3P_ , XM3R_** | **XM4P_ , XM4R_** | **XM5P_ , XM5R_** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T6 Gb X II 2D Ex h IIIC T70°C Db X	**-10°C ≤ Ta ≤ +50°C**	**N.C.-N.O.**	**-**	**3/2**	**-**

part no. **XM3P_ , XM3R_** | **XM4P_ , XM4R_** | **XM5P_ , XM5R_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-10°C ≤ Ta ≤ +40°C**	**N.C.-N.O.**	**-**	**3/2**	**-**

ATEX ON REQUEST

CNOMO SERIES (continue)

part no. **XM3P_ , XM3R_ | XM4P_ , XM4R_ | XM5P_ , XM5R_** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-10°C ≤ Ta ≤ +40°C**	**N.C.-N.O.**	**-**	**3/2**	**-**

Valves and solenoid valves poppet system

ATEX ON REQUEST

SERIES 700

part no. **X70532_ | X77_3211_** - Valves

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIC T95°C Db X	**-5°C ≤ Ta ≤ +70°C**	**N.C.-N.O.**	**-**	**3/2**	**G3/8 - G1/2 G3/4 - G1 G1 1/2**

part no. **X7_M2** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T6 Gb X II 2D Ex h IIIC T70°C Db X	**-5°C ≤ Ta ≤ +50°C**	**N.C.-N.O.**	**-**	**3/2**	**G3/8 - G1/2 G3/4 - G1 G1 1/2**

part no. **X7_ X_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-5°C ≤ Ta ≤ +40°C**	**N.C.-N.O.**	**-**	**3/2**	**G3/8 - G1/2 G3/4 - G1 G1 1/2**

part no. **X7_ B_ | X7_ C_** - Solenoid valves with coil XME 2GD XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**N.C.-N.O.**	**-**	**3/2**	**G3/8 - G1/2 G3/4 - G1 G1 1/2**

ATEX READY

PROCESS AUTOMATION TECHNOLOGY ALUMINIUM VALVES SERIES

part no. **SA771 | SA772 | SA773 | SAN776**

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIC T100°C Db X	**-30°C ≤ Ta ≤ +70°C**	**N.C.-N.O.**	**-**	**3/2**	**1/2" NPT 3/4" NPT 1" NPT 1 1/2" NPT**

Valves and solenoid valves NAMUR

ATEX ON REQUEST

SERIES 514/N

part no. **X514/N** - Valves and solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIC T96°C Db X	**-10°C ≤ Ta ≤ +50°C**	**Solenoid - Spring Solenoid - Differential Solenoid - Solenoid**	**-**	**3/2 5/2**	**G1/4**

part no. **X514/N** - Solenoid valves with coil XME 2GD

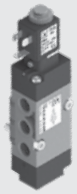
Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-10°C ≤ Ta ≤ +40°C**	**Solenoid - Spring Solenoid - Differential Solenoid - Solenoid**	**-**	**3/2 5/2**	**G1/4**

part no. **X514/N** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-10°C ≤ Ta ≤ +40°C**	**Solenoid - Spring Solenoid - Differential Solenoid - Solenoid**	**-**	**3/2 5/2**	**G1/4**

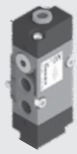
ATEX ON REQUEST

SERIES T514



part no. **X5T4** - Valves and solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIC T96°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Pneum. or Sol. - Differential Pneum. or Sol. - Spring Pneum. or Sol. - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**



part no. **X5T4** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

part no. **X5T4** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

ATEX ON REQUEST

SERIES 514 - 516

part no. **X514** | **X516** - Valves and solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T96°C Db X	**-30°C ≤ Ta ≤ +50°C**	**Pneum. or Sol. - Differential Pneum. or Sol. - Spring Pneum. or Sol. - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

part no. **X514** | **X516** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-20°C ≤ Ta ≤ +40°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

part no. **X514** | **X516** - Solenoid valves with coil XMHC 2GD Ex ia, E xt with connector

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB/IIC T4 Gb X II 2D Ex h IIIC T130°C Db X IP65	**-30°C ≤ Ta ≤ +50°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

part no. **X514** | **X516** - Solenoid valves with coil XMH4/H6 2GD Ex ia

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB/IIC T4 Gb X	**-30°C ≤ Ta ≤ +50°C/+85°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

part no. **X514** | **X516** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-20°C ≤ Ta ≤ +40°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**4/2 5/2, 9/2**	**G1/4**

ATEX ON REQUEST

SERIES 515 - 517

part no. **X515** | **X517** - Valves and solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T96°C Db X	**-30°C ≤ Ta ≤ +50°C**	**Pneum. or Sol. - Differential Pneum. or Sol. - Spring Pneum. or Sol. - Pneumatic**	**-**	**5/2**	**G1/4**

part no. **X515** | **X517** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-20°C ≤ Ta ≤ +40°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**5/2**	**G1/4**

part no. **X515** | **X517** - Solenoid valves with coil XMHC 2GD Ex ia, E xt with connector

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB/IIC T4 Gb X II 2D Ex h IIIC T130°C Db X IP65	**-30°C ≤ Ta ≤ 50°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**5/2**	**G1/4**

part no. **X515** | **X517** - Solenoid valves with coil XMH4/H6 2GD Ex ia

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIB/IIC T4 Gb X	**-30°C ≤ Ta ≤ 50°C / 85°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**5/2**	**G1/4**

ATEX ON REQUEST

SERIES 515 - 517 (continue)

part no. **X515** | **X517** - Solenoid valves with coil XMB or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-20°C ≤ Ta ≤ +40°C**	**Solenoid - Differential Solenoid - Spring Solenoid - Pneumatic**	**-**	**5/2**	**G1/4**

Valves and solenoid valves ISO5599/1

ATEX ON REQUEST

SERIES 1000

part no. **X10_16_** | **X10_18_** | **X10_19_** - Valves

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-5°C ≤ Ta ≤ +70°C**	**Solenoid, Pneumatic.**	**ISO 1 ISO 2 ISO 3**	**5/2, 5/3**	**-**

part no. **X1001_ , X1051_** | **X1002_ , X1052_** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T70°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid, Pneumatic.**	**ISO 1 ISO 2 ISO 3**	**5/2, 5/3**	**-**

part no. **X1001_ , X1051_** | **X1002_ , X1052_** - Solenoid valves with coil XME 2GD

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T135°C Db X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, Pneumatic.**	**ISO 1 ISO 2 ISO 3**	**5/2, 5/3**	**-**

part no. **X1001_ , X1051_** | **X1002_ , X1052_** - Solenoid valves with coil XMB 3GD or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, Pneumatic.**	**ISO 1 ISO 2 ISO 3**	**5/2, 5/3**	**-**

part no. **X1011_** | **X1012_ X1013_** - Solenoid valves without coil

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T6 Gc X II 3D Ex h IIIC T70°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Solenoid, Pneumatic.**	**ISO 1 ISO 2 ISO 3**	**5/2, 5/3**	**-**

part no. **X1011_** | **X1012_** | **X1013_** - Solenoid valves with coil XMB 3GD or XMC 3GD

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIB T4 Gc X II 3D Ex h IIIC T120°C Dc X IP65	**-5°C ≤ Ta ≤ +40°C**	**Solenoid, Pneumatic.**	**ISO 1 ISO 2 ISO 3**	**5/2, 5/3**	**-**

Accessories

Complementary valves

ATEX ON REQUEST

SERIES 900

part no. **X900_** - Valves

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T120°C Db X	**-5°C ≤ Ta ≤ +70°C**	**All versions**	**-**	**-**	**-**

Process automation technology stainless steel accessories

ATEX READY

STEEL LINE SERIES

part no. **SS11_** | **SS12_** | **SS14_** | **SS34_** - H - High temperature

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T180°C Db X	**-10°C ≤ Ta ≤ +150°C**	**All versions**	**-**	**Flow control Quick exhaust Exhaust flow control**	**1/4" NPT - 1/2" NPT 3/4" NPT - 1" NPT**

part no. **SS11_** | **SS12_** | **SS14_** | **SS34_** - L - Low temperature

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-50°C ≤ Ta ≤ +70°C**	**All versions**	**-**	**Flow control Quick exhaust Exhaust flow control**	**1/4" NPT - 1/2" NPT 3/4" NPT - 1" NPT**

Aluminum process automation technology accessories

ATEX READY

ALUMINUM PROCESS AUTOMATION TECHNOLOGY SERIES

part no. **A6_** - H - Accessories

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-30°C ≤ Ta ≤ +70°C**	**All versions**	**-**	**-**	**1/4" NPT - 1/2" NPT 3/4" NPT - 1" NPT**

Valves and solenoid valves manifold

Valves and solenoid valves manifold VDMA

ATEX ON REQUEST

SERIES 2400 VDMA

part no. **2400_** - Solenoid valves manifold

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T6 Gc IP65 II 3D Ex tc IIIC T=85°C Dc IP65	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**18 mm**	**5/2, 5/3, 2x3/2**	**G1/8 - G1/4**

ATEX ON REQUEST

SERIES 2600 VDMA

part no. **2600_** - Solenoid valves manifold

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T6 Gc IP65 II 3D Ex tc IIIC T=85°C Dc IP65	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**26 mm**	**5/2, 5/3**	**G3/8 - G1/4**

Solenoid valves manifold ISO15407-2

ATEX READY

SERIES 2700

part no. **2700_** - Solenoid valves manifold

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T6 Gc X II 3D Ex tc IIIC T80°C Dc X	**-10°C ≤ Ta ≤ +50°C**	**All versions**	**26 mm**	**5/2, 5/3, 2x3/2**	**G1/4**

Solenoid valves manifold

ATEX READY

SERIES 2200 OPTYMA-S

part no. **2200_** - Solenoid valves manifold

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T6 Gc X II 3D Ex tc IIIC T80°C Dc X	**-10°C ≤ Ta ≤ +50°C**	**All versions**	**12,5 mm**	**5/2, 5/3, 2x3/2**	**Ø4 - Ø6 - Ø8**

ATEX READY

SERIES 2300 ENOVA

part no. **2300_** - Solenoid valves manifold

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex nA IIC T5 Gc IP65 II 3D Ex tc IIIC T=100°C Dc IP65	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**12,5 mm**	**5/2, 5/3, 2x3/2**	**Ø4 - Ø6 - Ø8**

Air Treatment

Modular FRL

ATEX ON REQUEST

SERIES 1700

part no. **X17001...** - Filter

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X17008...** - Coalescing filter

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X17002... - X17022...** - Pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X170B2... - X170M2...** - Manifold pressure regulators

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X17003...** - Lubricator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X17004...** - Filter regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X17110M2 - X17120** - Progressive start-up valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/4**

part no. **X17030...** - Shut-off valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/8 - G1/4**

part no. **X171S2...** - High sensitive air pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**Metal body**	**1**	**G1/4**

part no. **X17202... - X17222** - Pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G1/4 G3/8**

part no. **X17210M2 - X17220** - Progressive start-up valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G3/8**

part no. **X17230...** - Shut-off valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G3/8**

part no. **X17212...** - High sensitive air pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G3/8**

ATEX ON REQUEST

SERIES 1700 (continue)

part no. **X17302...- X17322** - Pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G3/8 - G1/2**

part no. **X17310M2 - X17320** - Progressive start-up valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G1/2**

part no. **X17330...** - Shut-off valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G1/2**

part no. **X173S2...- X173P2...** - High sensitive air pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G1/2**

part no. **X17401...** - Filter

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**4**	**G1**

part no. **X17408...** - Coalescing filter

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**4**	**G1**

part no. **X17402...** - Pressure regulator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**4**	**G1**

part no. **X17403...** - Lubricator

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**4**	**G1**

part no. **X17410M2 - X17420** - Progressive start-up valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**4**	**G1**

part no. **X17430...** - Shut-off valve

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIB T5 Gb X II 2D Ex h IIIB T90°C Db X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**4**	**G1**

part no. **X17101...** - Filter

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/8 - G1/4**

part no. **X17108...** - Coalescing filter

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/8 - G1/4**

part no. **X17109...- X17129...** - Panel mounting pressure regulator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/8 - G1/4**

part no. **X17102...- X17122...** - Pressure regulator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/8 - G1/4**

ATEX ON REQUEST

SERIES 1700 (continue)

part no. **X17103...** - Lubricator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/8 - G1/4**

part no. **X17104...** - Filter regulator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/8 - G1/4**

part no. **X17130...** - Shut-off valve

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Technopolymer body**	**1**	**G1/4**

part no. **X17201...** - Filter

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G1/4 G3/8**

part no. **X17208...** - Coalescing filter

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G1/4 - G3/8**

part no. **X17203...** - Lubricator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G1/4 - G3/8**

part no. **X17204...** - Filter regulator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**2**	**G1/4 - G3/8**

part no. **X17301...** - Filter

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G3/8 - G1/2**

part no. **X17308...** - Coalescing filter

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G3/8 - G1/2**

part no. **X17303...** - Lubricator

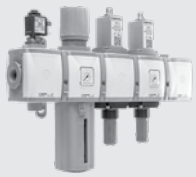
Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G3/8 - G1/2**

part no. **X17304...** - Filter regulator

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T5 Gc X II 3D Ex h IIIB T90°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**All versions**	**3**	**G3/8 - G1/2**

ATEX READY

AIRPLUS SERIES



part no. **T171... - N171...** | **T172... - N172... - P172...** | **T173... - N173... - P173...** | **Versions with automatic drain**

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T5 Gc X II 3D Ex h IIIC T98°C Dc X	**–5°C ≤ Ta ≤ +50°C**	**Polymer Bowl**	**1-2-3**	**All functions except electric shut-off valve**	**G1/8 - G1/4 G3/8 - G1/2**

part no. **P174...**

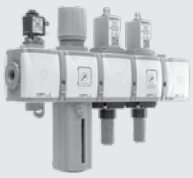
Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T115°C Dc X	**-5°C ≤ Ta ≤ +50°C**	**Polymer Bowl**	**4**	**All functions except electric shut-off valve**	**G1**

part no. **P172...T - L172...T** | **P173...T - L173...T**

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T135°C Db X	**-30°C ≤ Ta ≤ +80°C -40°C ≤ Ta ≤ +80°C**	**Metal body and bowl**	**1-2-3**	**All functions except electric shut-off valve**	**G1/8 - G1/4 G3/8 - G1/2**

ATEX READY

AIRPLUS SERIES (continue)



part no. **P174...T - L174...T**

Marking	Temperature	Version	Size	Function	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T150°C Db X	-30°C ≤ Ta ≤ +80°C -40°C ≤ Ta ≤ +80°C	Metal body and bowl	4	All functions except electric shut-off valve	G1

part no. **T171... - N171...** | **T172... - N172...** | **T173... - N173...** - VE - 15mm coil

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T115°C Dc X	-5°C ≤ Ta ≤ +50°C	Polymer body	1-2-3	VE Electric shut-off valve	G1/8 - G1/4 G3/8 - G1/2

part no. **T171... - N171...** | **T172... - N172...** | **T173... - N173...** - VE - 22mm and 30mm coil

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T5 Gc X II 3D Ex h IIIC T98°C Dc X	-5°C ≤ Ta ≤ +50°C	Polymer body	1-2-3	VE Electric shut-off valve	G1/8 - G1/4 G3/8 - G1/2

part no. **P172...VE...** | **P173...VE...** - VE

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T4 Gc X II 3D Ex h IIIC T135°C Dc X	-5°C ≤ Ta ≤ +50°C	Metal body	1-2-3	VE Electric shut-off valve	G3/8 - G1/2

part no. **P174...VE...** - VE

Marking	Temperature	Version	Size	Function	Connection
II 3G Ex h IIC T3 Gc X II 3D Ex h IIIC T150°C Dc X	-5°C ≤ Ta ≤ +50°C	Metal body	4	VE Electric shut-off valve	G1

ATEX READY

SERIES 1700 STEEL LINE

part no. **SS174... - SF174...**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T130°C Db X	-30°C ≤ Ta ≤ +80°C	Standard	4	3/4" NPT - 1" NPT G1

part no. **SS174... - SF174...** - L

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T130°C Db X	-50°C ≤ Ta ≤ +80°C	Low temperature	4	3/4" NPT - 1" NPT G1

part no. **SS174... - SF174...** - H

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T200°C Db X	-5°C ≤ Ta ≤ +150°C	High temperature	4	3/4" NPT - 1" NPT G1

part no. **SS174... - SF174...** - S - SR

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T120°C Db X	-5°C ≤ Ta ≤ +70°C	Automatic drain and reduced automatic drain versions	4	3/4" NPT - 1" NPT G1

part no. **SS174... - SF174... - SM174** - Z

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T130°C Db X	-60°C ≤ Ta ≤ +80°C	Silicone seals version	4	3/4" NPT - 1" NPT G1

part no. **SS174... - SF174...** - EF

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T150°C Db X	-40°C ≤ Ta ≤ +100°C	EPDM FDA seals version	4	3/4" NPT - 1" NPT G1

part no. **SS172... - SF172... - SM172** | **SS173... - SF173... - SM173** - Standard

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T110°C Db X	-30°C ≤ Ta ≤ +80°C	Standard	2	1/4" NPT - 3/8" NPT G1/4
			3	1/4" NPT -1/2" NPT G1/2

part no. **SS172... - SF172... - SM172** | **SS173... - SF173... - SM173** - L

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T110°C Db X	-50°C ≤ Ta ≤ +80°C	Low temperature	2	1/4" NPT - 3/8" NPT G1/4
			3	1/4" NPT -1/2" NPT G1/2

ATEX READY

SERIES 1700 STEEL LINE (continue)

part no. **SS172... - SF172... - SM172 | SS173... - SF173... - SM173** - H

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T180°C Db X	**-5°C ≤ Ta ≤ +150°C**	**High temperature**	**2**	**1/4" NPT - 3/8" NPT G1/4**
			3	**1/4" NPT -1/2" NPT G1/2**

part no. **SS172... - SF172... - SM172 | SS173... - SF173... - SM173** - S - SR

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T100°C Db X	**-5°C ≤ Ta ≤ +70°C**	**Automatic drain and reduced automatic drain versions**	**2**	**1/4" NPT - 3/8" NPT G1/4**
			3	**1/4" NPT -1/2" NPT G1/2**

part no. **SS172... - SF172... - SM172 | SS173... - SF173... - SM173** - Z

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T110°C Db X	**-60°C ≤ Ta ≤ +80°C**	**Silicone seals version**	**2**	**1/4" NPT - 3/8" NPT G1/4**
			3	**1/4" NPT -1/2" NPT G1/2**

part no. **SS172... - SF172... - SM172 | SS173... - SF173... - SM173** - EF

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T130°C Db X	**-40°C ≤ Ta ≤ +100°C**	**EPDM FDA seals version**	**2**	**1/4" NPT - 3/8" NPT G1/4**
			3	**1/4" NPT -1/2" NPT G1/2**

Volume Booster

ATEX READY

FLOWPLUS SERIES

part no. **SA17_VB | SS17_VB**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T90°C Db X	**-30°C ≤ Ta ≤ +80°C -50°C ≤ Ta ≤ +80°C -60°C ≤ Ta ≤ +80°C**	**Standard L Z**	**3**	**1/4" NPT 1/2" NPT**

part no. **SA17_VB | SS17_VB**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T165°C Db X	**-5°C ≤ Ta ≤ +150°C**	**H**	**3**	**1/4" NPT 1/2" NPT**

part no. **SA17_VB | SS17_VB**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T115°C Db X	**-40°C ≤ Ta ≤ +100°C**	**EF**	**3**	**1/4" NPT 1/2" NPT**

part no. **SA17_VB | SS17_VB**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T90°C Db X	**-30°C ≤ Ta ≤ +80°C -50°C ≤ Ta ≤ +80°C -60°C ≤ Ta ≤ +80°C**	**Standard L Z**	**4**	**3/4" NPT 1" NPT**

part no. **SA17_VB | SS17_VB**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T5 Gb X II 2D Ex h IIIC T90°C Db X	**-5°C ≤ Ta ≤ +150°C**	**H**	**4**	**3/4" NPT 1" NPT**

part no. **SA17_VB | SS17_VB**

Marking	Temperature	Version	Size	Connection
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T115°C Db X	**-40°C ≤ Ta ≤ +100°C**	**EF**	**4**	**3/4" NPT 1" NPT**

Pressure boosters

ATEX READY

SERIES P+

part no. **MDTP40** - Technopolymer Pressure Booster

Marking	Temperature	Version	Size	Connection
II 3G Ex h IIB T6 Gc X II 3D Ex h IIIB T85°C Dc X	**-5°C ≤ Ta ≤ 50°C**	**adjustable/ not adjustable**	**40**	**G1/4**

Pneumatic actuation

Cylinders according to international standards

Microcylinders ISO6432

ATEX ON REQUEST

SERIES 1200 ROLLED END COVER VERSION (MIR)

part no. **X1280**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X II 2D Ex h IIIC T100°C ... T140°C Db X	-5°C ≤ Ta ≤ 30°C (T5/T100°C) -5°C ≤ Ta ≤ 65°C (T4/T135°C) -5°C ≤ Ta ≤ 70°C (T3/T140°C)	NBR version	Ø8 ... Ø32	15 ... 500

part no. **X1280...T**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T165°C Db X	-5°C ≤ Ta ≤ 40°C (T6/T85°C) -5°C ≤ Ta ≤ 55°C (T5/T100°C) -5°C ≤ Ta ≤ 90°C (T4/T135°C) -5°C ≤ Ta ≤ 120°C (T3/T165°C)	HNBR Version NON Magnetic	Ø8 ... Ø32	15 ... 500

part no. **X1280...M.T**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T125°C Db X	-5°C ≤ Ta ≤ 40°C (T6/T85°C) -5°C ≤ Ta ≤ 55°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T125°C)	HNBR Version Magnetic	Ø8 ... Ø32	15 ... 500

part no. **X1280...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T195°C Db X	-5°C ≤ Ta ≤ 40°C (T6/T85°C) -5°C ≤ Ta ≤ 55°C (T5/T100°C) -5°C ≤ Ta ≤ 90°C (T4/T135°C) -5°C ≤ Ta ≤ 150°C (T3/T195°C)	FPM Version NON Magnetic	Ø8 ... Ø32	15 ... 500

part no. **X1280...M.V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T125°C Db X	-5°C ≤ Ta ≤ 40°C (T6/T85°C) -5°C ≤ Ta ≤ 55°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T125°C)	FPM Version Magnetic	Ø8 ... Ø32	15 ... 500

ATEX ON REQUEST

SERIES 1200 STEEL LINE

part no. **X12X**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T4 Gb X II 2D Ex h IIIC T100°C ... T135°C Db X	-5°C ≤ Ta ≤ 35°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T135°C)	NBR Version	Ø16 ... Ø63	15 ... 500

part no. **X12X...P.N**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T4 Gb X II 2D Ex h IIIC T100°C ... T135°C Db X	-5°C ≤ Ta ≤ 35°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T135°C)	PUR Ø16 ... Ø32 adjustable pneumatic cushioning version, NON Magnetic	Ø16 ... Ø63	15 ... 500

part no. **X12X...P.M**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X II 2D Ex h IIIC T100°C ... T145°C Db X	-5°C ≤ Ta ≤ 35°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T135°C) -5°C ≤ Ta ≤ 80°C (T3/T145°C)	PUR Ø16 ... Ø32: non adjustable cushoning - Magnetic. Ø40 ... Ø63 non adjustable cushioning; adjustable pneumatic cushioning - Magnetic	Ø16 ... Ø63	15 ... 500

part no. **X12X...V.N**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T2 Gb X II 2D Ex h IIIC T100°C ... T215°C Db X	-5°C ≤ Ta ≤ 40°C (T5/T100°C) -5°C ≤ Ta ≤ 75°C (T4/T135°C) -5°C ≤ Ta ≤ 140°C (T3/T200°C) -5°C ≤ Ta ≤ 150°C (T2/T215°C)	FPM Version NON Magnetic	Ø16 ... Ø63	15 ... 500

part no. **X12X...V.M**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X II 2D Ex h IIIC T100°C ... T140°C Db X	-5°C ≤ Ta ≤ 40°C (T5/T100°C) -5°C ≤ Ta ≤ 75°C (T4/T135°C) -5°C ≤ Ta ≤ 80°C (T3/T140°C)	FPM Version Magnetic	Ø16 ... Ø63	15 ... 500

Cylinders CNOMO-CETOP-ISO

ATEX ON REQUEST

SERIES 1303 - 1304 - 1305 - 1306 - 1307 - 1308 - 1315

part no. **X1303** | **X1304** | **X1305** | **X1306** | **X1307** | **X1308** | **X1315**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X **II 2D Ex h IIIC T100°C ... T140°C Db X**	**-5°C ≤ Ta ≤ 30°C (T5/T100°C)** **-5°C ≤ T a≤ 65°C (T4/T135°C)** **-5°C ≤ Ta ≤ 70°C (T3/T140°C)**	**NBR Version**	**Ø32 ... Ø320**	**25 ... 1000**

part no. **X1303** | **X1304** | **X1305...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T2 Gb X **II 2D Ex h IIIC T100°C ... T225°C Db X**	**-5°C ≤ Ta ≤ 25°C (T5/T100°C)** **-5°C ≤ Ta ≤ 60°C (T4/T135°C)** **-5°C ≤ Ta ≤ 125°C (T3/T200°C)** **-5°C ≤ Ta ≤ 150°C (T2/T225°C)**	**FPM Version** **NON Magnetic**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1306** | **X1307** | **X1308...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X **II 2D Ex h IIIC T100°C ... T150°C Db X**	**-5°C ≤ Ta ≤ 30°C (T5/T100°C)** **-5°C ≤ Ta ≤ 65°C (T4/T135°C)** **-5°C ≤ Ta ≤ 80°C (T3/T150°C)**	**FPM Version** **Magnetic**	**Ø32 ... Ø200**	**25 ... 1000**

Cylinders ISO 15552

ATEX ON REQUEST

SERIES 1319 - 1320 - 1321

part no. **X1319** | **X1320** | **X1321**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X **II 2D Ex h IIIC T85°C ... T115°C Db X**	**-5°C ≤ Ta ≤ 40°C (T6/T85°C)** **-5°C ≤ Ta ≤ 55°C (T5/T100°C)** **-5°C ≤ Ta ≤ 70°C (T4/T115°C)**	**NBR Version**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1319** | **X1320...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T4 Gb X **II 2D Ex h IIIC T125°C Db X**	**-5°C ≤ Ta ≤ 80°C (T4/T125°C)**	**FPM Version** **Magnetic**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1321...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T3 Gb X **II 2D Ex h IIIC T195°C Db X**	**-5°C ≤ Ta ≤ 150°C (T3/T195°C)**	**FPM Version** **NON Magnetic**	**Ø32 ... Ø200**	**25 ... 1000**

ATEX ON REQUEST

SERIES 1348 - 1349 - 1350

part no. **X1348** | **X1349** | **X1350**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T4 ... T3 Gb X **II 2D Ex h IIIC T135°C ... T155°C Db X**	**-5°C ≤ Ta ≤ 50°C (T4/T135°C)** **-5°C ≤ Ta ≤ 70°C (T3/T155°C)**	**All versions**	**Ø32 ... Ø63**	**25 ... 320**

ATEX ON REQUEST

ECOPLUS SERIES

part no. **X1396** | **X1397** | **X1398**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X **II 2D Ex h IIIC T85°C ... T120°C Db X**	**-5°C ≤ Ta ≤ 35°C (T6/T85°C)** **-5°C ≤ Ta ≤ 50°C (T5/T100°C)** **-5°C ≤ Ta ≤ 70°C (T4/T120°C)**	**NBR Version**	**Ø32 ... Ø100**	**25 ... 1000**

part no. **X1396** | **X1397** | **X1398...P**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T4 Gb X **II 2D Ex h IIIC T130°C Db X**	**-30°C ≤ Ta ≤ 80°C (T4/T130°C)**	**PUR Version**	**Ø32 ... Ø100**	**25 ... 1000**

ATEX ON REQUEST

ECOLIGHT SERIES

part no. **X1390 | X1391 | X1392**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T4 Gb X II 2D Ex h IIIC T100°C ... T135°C Db X	**-5°C ≤ Ta ≤ 35°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T135°C)**	**NBR Version**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1390 | X1391 | X1392...P**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T140°C Db X	**-30°C ≤ Ta ≤ 80°C (T3/T140°C)**	**PUR Version**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1390 | X1391...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T4 Gb X II 2D Ex h IIIC T120°C Db X	**-5°C ≤ Ta ≤ 80°C (T4/120°C)**	**FPM Version Magnetic**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1392...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T190°C Db X	**-5°C ≤ Ta ≤ 150°C (T3/190°C)**	**FPM Version NON Magnetic**	**Ø32 ... Ø200**	**25 ... 1000**

part no. **X1390 | X1391 | X1392...R**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T165°C Db X	**-10°C ≤ Ta ≤ 80°C (T3/165°C)**	**Version with metallic rod scraper**	**Ø32 ... Ø100**	**25 ... 1000**

part no. **X1390 | X1391 | X1392...Q**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T150°C Db X	**-20°C ≤ Ta ≤ 80°C (T3/150°C)**	**Version with plastic rod scraper**	**Ø32 ... Ø100**	**25 ... 1000**

part no. **X1390 | X1391 | X1392...L**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T3 Gb X II 2D Ex h IIIC T155°C Db X	**-50°C ≤ Ta ≤ 80°C (T3/155°C)**	**Low temperature version**	**Ø32 ... Ø200**	**25 ... 1000**

ATEX ON REQUEST

SERIES INOX STEEL LINE

part no. **X1393 | X1394**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X II 2D Ex h IIIC T100°C ... T150°C Db X	**-30°C ≤ Ta ≤ 30°C (T5/T100°C) -30°C ≤ Ta ≤ 65°C (T4/T135°C) -30°C ≤ Ta ≤ 80°C (T3/T150°C)**	**PUR Version**	**Ø32 ... Ø100**	**25 ... 1000**

part no. **X1393...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T3 Gb X II 2D Ex h IIIC T100°C ... T150°C Db X	**-5°C ≤ Ta ≤ 30°C (T5/T100°C) -5°C ≤ Ta ≤ 65°C (T4/T135°C) -5°C ≤ Ta ≤ 80°C (T3/T150°C)**	**FPM Version Magnetic**	**Ø32 ... Ø100**	**25 ... 1000**

part no. **X1394...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T2 Gb X II 2D Ex h IIIC T100°C ... T220°C Db X	**-5°C ≤ Ta ≤ 30°C (T5/T100°C) -5°C ≤ Ta ≤ 65°C (T4/T135°C) -5°C ≤ Ta ≤ 130°C (T3/T200°C) -5°C ≤ Ta ≤ 150°C (T2/T220°C)**	**FPM Version NON Magnetic**	**Ø32 ... Ø100**	**25 ... 1000**

Hydro-pneumatic cylinders ISO15552

ATEX ON REQUEST

SERIES 1450-1463

part no. **X1450 | X1463**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T115°C Db X	**-5°C ≤ Ta ≤ 40°C (T6/T85°C) -5°C ≤ Ta ≤ 55°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T115°C)**	**All versions**	**Ø50-Ø63**	**50 ... 450**

Non standard cylinders

Flat profiled tube

ATEX ON REQUEST

ECOFLAT SERIES

part no. **X1370 | X1371 | X1372 | X1373**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T110°C Db X	**-5°C ≤ Ta ≤ 45°C (T6/T85°C) -5°C ≤ Ta ≤ 60°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T110°C)**	**All versions**	**Ø25 ... Ø63**	**25 ... 320**

Compact cylinders

ATEX ON REQUEST

SERIES 1500

part no. **X15...**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T125°C Db X	**-5°C≤ Ta ≤30°C (T6/T85°C) -5°C≤ Ta ≤45°C (T5/T100°C) -5°C≤ Ta ≤70°C (T4/T125°C)**	**NBR Version**	**Ø20 ... Ø100**	**5 ... 50**

part no. **X15...T**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T175°C Db X	**-5°C ≤ Ta ≤ 30°C (T6/T85°C) -5°C ≤ Ta ≤ 45°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T135°C) -5°C ≤ Ta ≤ 120°C (T3/T175°C)**	**HNBR Version NON Magnetic**	**Ø20 ... Ø100**	**5 ... 50**

part no. **X15...M.T**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T135°C Db X	**-5°C ≤ Ta ≤ 30°C (T6/T85°C) -5°C ≤ Ta ≤ 45°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T135°C)**	**HNBR Version Magnetic**	**Ø20 ... Ø100**	**5 ... 50**

part no. **X15...V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T200°C Db X	**-5°C ≤ Ta ≤ 35°C (T6/T85°C) -5°C ≤ Ta ≤ 50°C (T5/T100°C) -5°C ≤ Ta ≤ 85°C (T4/T135°C) -5°C ≤ Ta ≤ 150°C (T3/T200°C)**	**FPM Version NON Magnetic**	**Ø20 ... Ø100**	**5 ... 50**

part no. **X15...M.V**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T130°C Db X	**-5°C ≤ Ta ≤ 30°C (T6/T85°C) -5°C ≤ Ta ≤ 50°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T130°C)**	**FPM Version Magnetic**	**Ø20 ... Ø100**	**5 ... 50**

ATEX ON REQUEST

EUROPE SERIES

part no. **X156_ | X158_...**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T135°C Db X	**-30°C ≤ Ta ≤ 30°C (T6/T85°C) -30°C ≤ Ta ≤ 45°C (T5/T100°C) -30°C ≤ Ta ≤ 80°C (T4/T135°C)**	**PUR Version**	**Ø12 ... Ø100**	**5 ... 500**

part no. **X157_ | X159_..._(4-5-6)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T175°C Db X	**-5°C ≤ Ta ≤ 30°C (T6/T85°C) -5°C ≤ Ta ≤ 45°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T135°C) -5°C ≤ Ta ≤ 120°C (T3/T175°C)**	**HNBR Version NON Magnetic**	**Ø12 ... Ø100**	**5 ... 500**

part no. **X157_ | X159_..._(1-2-3)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T135°C Db X	**-5°C ≤ Ta ≤ 30°C (T6/T85°C) -5°C ≤ Ta ≤ 45°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T135°C)**	**HNBR Version Magnetic**	**Ø12 ... Ø100**	**5 ... 500**

Compact cylinders ISO21287

ATEX ON REQUEST

ECOMPACT SERIES

part no. **X154_(0-1) | X155_(0-1)..._(1...6)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T110°C Db X	**-5°C ≤ Ta ≤ 45°C (T6/T85°C) -5°C ≤ Ta ≤ 60°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T110°C)**	**NBR Version**	**Ø20 ... Ø100**	**5 ... 500**

part no. **X154_(4-5) | X155_(4-5)..._(1...6)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T120°C Db X	**-30°C ≤ Ta ≤ 45°C (T6/T85°C) -30°C ≤ Ta ≤ 60°C (T5/T100°C) -30°C ≤ Ta ≤ 80°C (T4/T120°C)**	**PUR Version**	**Ø20 ... Ø100**	**5 ... 500**

part no. **X154_(6-7) | X155_(6-7)..._(4-5-6)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T190°C Db X	**-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)**	**FPM Version NON Magnetic**	**Ø20 ... Ø100**	**5 ... 500**

part no. **X154_(6-7) | X155_(6-7)..._(1-2-3)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T120°C Db X	**-5°C ≤ Ta ≤ 45°C (T6/T85°C) -5°C ≤ Ta ≤ 60°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T120°C)**	**FPM Version Magnetic**	**Ø20 ... Ø100**	**5 ... 500**

ATEX ON REQUEST

ECOMPACT-S SERIES

part no. **X154_(0-1) | X155_(0-1)..._(1-4)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T110°C Db X	**-5°C ≤ Ta ≤ 45°C (T6/T85°C) -5°C ≤ Ta ≤ 60°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T110°C)**	**NBR Version**	**Ø32 ... Ø63**	**5 ... 500**

part no. **X154_(4-5) | X155_(4-5)..._(1-4)**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T120°C Db X	**-30°C ≤ Ta ≤ 45°C (T6/T85°C) -30°C ≤ Ta ≤ 60°C (T5/T100°C) –30°C ≤ Ta ≤ 80°C (T4/T120°C)**	**PUR Version**	**Ø32 ... Ø63**	**5 ... 500**

part no. **X154_(6-7) | X155_(6-7)..._4**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T190°C Db X	**-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)**	**FPM Version NON Magnetic**	**Ø32 ... Ø63**	**5 ... 500**

part no. **X154_(6-7) | X155_(6-7)..._1**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T3 Gb X II 2D Ex h IIIC T85°C ... T190°C Db X	**-5°C ≤ Ta ≤ 45°C (T6/T85°C) -5°C ≤ Ta ≤ 60°C (T5/T100°C) -5°C ≤ Ta ≤ 80°C (T4/T120°C)**	**FPM Version Magnetic**	**Ø32 ... Ø63**	**5 ... 500**

Guided compact cylinders

ATEX ON REQUEST

SERIES 6100

part no. **X6100**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T4 ... T3 Gb X II 2D Ex h IIIC T135°C ... T140°C Db X	**-5°C ≤ Ta ≤ 65°C (T4/T135°C) -5°C ≤ Ta ≤ 70°C (T3/T140°C)**	**NBR Version**	**Ø12 ... Ø63**	**10 ... 200**

ATEX ON REQUEST

SERIES 6101

part no. **X6101**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T5 Gb X II 2D Ex h IIIC T85°C ... T95°C Db X	-5°C ≤ Ta ≤ 60°C (T6/T85°C) -5°C ≤ Ta ≤ 70°C (T5/T95°C)	NBR Version	Ø80	25 ... 200

Slide units

ATEX ON REQUEST

SERIES 6200

part no. **X6200**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T4 ... T3 Gb X II 2D Ex h IIIC T135°C ... T145°C Db X	-5°C ≤ Ta ≤ 60°C (T4/T135°C) -5°C ≤ Ta ≤ 70°C (T3/T145°C)	NBR Version	Ø10 ... Ø32	10 ... 100

ATEX ON REQUEST

SERIES 6210

part no. **X6210**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T6 ... T4 Gb X II 2D Ex h IIIC T85°C ... T105°C Db X	-5°C ≤ Ta ≤ 50°C (T6/T85°C) -5°C ≤ Ta ≤ 65°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T105°C)	NBR Version	Ø10 ... Ø25	25 ... 200

Rodless cylinders

Standard

ATEX ON REQUEST

SERIES 1605

part no. **X1605**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 2G Ex h IIC T5 ... T4 Gb X II 2D Ex h IIIC T100°C ... T130°C Db X	-5°C ≤ Ta ≤ 40°C (T5/T100°C) -5°C ≤ Ta ≤ 70°C (T4/T130°C)	NBR Version	Ø16 ... Ø63	6m

Magnetic sensors

ATEX ON REQUEST

SERIES SA

part no. **X1500 | X1600**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 3G Ex nA IIC T5 Gc II 3D Ex tc IIIC T100°C Dc	-5°C ≤ Ta ≤ 40°C	Sensors Hall effect	12 mm	M8 cable 2 or 3 connectors

part no. **X1500 | X1600**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 3G Ex nC IIC T5 Gc II 3D Ex tc IIIC T100°C Dc	-5°C ≤ T a≤ 40°C	Sensors REED	12 mm	M8 cable 2 or 3 connectors

Miniaturised magnetic sensors

ATEX ON REQUEST

SERIES SR

part no. **X1580**

Marking	Temperature	Version	Bore (mm)	Stroke (mm)
II 3G Ex ic IIB T4 Gc II 3D Ex ic IIIC T135°C	-10°C ≤ Ta ≤ +70°C	Sensors Hall effect	5 mm	Cable 2 or 3 connectors

Automotive

Clamping

ATEX READY

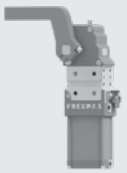
SERIES C1

part no. **C1_25/80**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø25 - Ø80 mm**	**International mount**

ATEX READY

SERIES C2

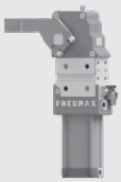


part no. **C2_50/80**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø50 - Ø80 mm**	**NAAMS Standard**

ATEX READY

SERIES HE1

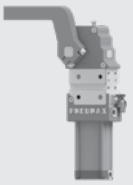


part no. **HE1P0/1/2/3/4**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40 - Ø80 mm**	**International mount**

ATEX READY

SERIES HE2

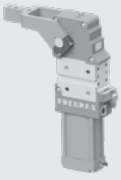


part no. **HE2P1/2/3**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø50 - Ø80 mm**	**NAAMS Standard**

ATEX READY

SERIES CX



part no. **C_X40/50/63**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40 - Ø63 mm**	**International mount / NAAMS Standard**

ATEX READY

SERIES CS/HES

part no. **CS/HES**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40 - Ø80 mm**	**International mount / NAAMS Standard**

ATEX READY

SERIES CB

part no. **CB40/63**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40; Ø63 mm**	**International mount**

ATEX READY

SERIES AR

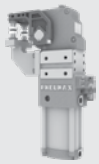
part no. **AR_/AR_N/AR09R**

Marking	Temperature	Size	Mounting Pattern
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**12 mm; 16 mm; 19 mm; 22 mm; 30 mm**	**International mount / NAAMS Standard**

Handling

ATEX READY

SERIES J



part no. **J_40**

Marking	Temperature	Size	Arm
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40 mm**	**Aluminum / Steel**

Pivoting

ATEX READY

SERIES P

part no. **P63**

Marking	Temperature	Size	Opening Angle
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø63 mm**	**0°-135°**

part no. **P80/100/125**

Marking	Temperature	Size	Opening Angle
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø80, Ø100 mm, Ø125 mm**	**45°; 60°; 90°; 120°; 135°**

Locating

ATEX READY

SERIES R

part no. **R_32**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø32mm**	**20mm; 40mm**

part no. **R_50/63**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø50; Ø63mm**	**15mm; 25mm; 40mm; 50mm; 60mm**

ATEX READY

SERIES RT

part no. **RT_40**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40 mm**	**40 mm**

ATEX READY

SERIES RC

part no. **RC_D50/63**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø50; Ø63mm**	**25mm; 50mm**

ATEX READY

SERIES HP

part no. **HP50**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø50mm**	**15mm; 25mm; 40mm; 50mm; 60mm**

ATEX READY

SERIES F

part no. **F_40/41/63**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø40 mm, Ø41 mm, Ø63mm**	**15mm; 25mm; 40mm; 50mm; 60mm**

ATEX READY

SERIES FT

part no. **FT_50**

Marking	Temperature	Size	Stroke
II 2G Ex h IIC T6 Gb X II 2D Ex h IIIC T85°C Db X	**0°C ≤ Ta ≤ +50°C (T6/T85°C)**	**Ø50 mm**	**40mm**

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