

IDENTIFICATION CHART FOR NADI VALVE AND IECEx SOLENOID VALVES AND ELECTROMAGNETIC DEVICES.

Device identification through the model marked on the rating plate.

SOLENOID VALVES

ELECTROMAGNETIC DEVICES

CUSTOMIZED CODES

AIR OPERATED VALVES

①	00 ÷ 99	②	00 ÷ 99	③	④	⑤	⑥
H	②	0000 ÷ 9999	⑤	⑥			
V	①	②	0000 ÷ 9999	④	⑤	⑥	
M	00 ÷ 99	②	00 ÷ 99	③	④	⑥	

FIXED LETTER ☐ **VARIABLE LETTER**

MARKING EXAMPLE

Nadi RHO (MI) - ITALY		Ex		AFTER DE-ENERGIZING DELAY 15 MINUTES BEFORE OPENING	
Ex-d II C	T 6	Gb	Tamb	20 / +40 °C	
Ex-tb IIIC T 85 °C Db IP67					
JOINT CAN NOT BE REPAIRED					
CERT.		REF.			
IECEx EUT 15.000X		123456/15			
MOD.	D03T70C0T	ORIF	7	mm	
VOLT	24 DC	W VA	11	Δp	3 - 10 bar

DEVICE IDENTIFICATION EXAMPLE

MOD.	D	03	T	70	C	0	T
	①	00 ÷ 99	②	00 ÷ 99	③	④	⑤

5 way solenoid valve, brass body, 1/4" gas connections, Buna-N seals, flameproof protection (Ex-d c) Group II C, no options present.

① DEVICE TYPE

L	2 way solenoid valves
C	3 way solenoid valves
D	5 way solenoid valve
E	2 way manual reset sol. valves
F	3 way manual reset sol. valves
G	5 way manual reset sol. valves

M Air operated valves

H Electromagnetic device

V Customized code

② BODY MATERIAL

T	Brass	UNI-5705 / UNI-4893
N	Nickel-plated brass	UNI-5705 / UNI-4893
B	Bronze	UNI-7013
H	Stainless Steel	AISI 303 UNI-X10CrNiS1809
		AISI 304 UNI-X10CrNiS1810
I	Stainless Steel	AISI 316 UNI-X5CrNiMo1712
		AISI 316L UNI-X2CrNiMo1712
L	Light alloys	(Al alloys with Mg<6%)
C	Carbon steel	

Ex housing seals material

S SILICON

③ CONNECTION TYPE

THREADED CONNECTION		FLANGE or BASE JOINTS
Type UNI ISO 228.1 or ISO 7.1 generally named "GAS"	Type ANSI B2.1 or B2.2 generally named "NPT"	
A 1/8"	B 1/8"	= Neck
C 1/4"	D 1/4"	U Base
E 3/8"	T 3/8"	X ASA300
F 1/2"	G 1/2"	Y ASA150
H 3/4"	I 3/4"	Z Flange
L 1"	M 1"	
N 1 1/4"	V 1 1/2"	
O 1 1/2"	W 2"	
P 2"		
Q 2 1/2"		
R 3"		
S 4"		

④ SEALS MATERIAL

0	NBR (Buna N)	6	EPDM
1	VITON	7	HNBR
2	VULKOLLAN	8	UREPAN
3	PTFE o RULON	9	SPECIALE
4	Metallica		
5	Neoprene		

⑤ PROTECTION DEGREE

P	IP65 with plug
S	IP67 with housing
H	Ex-d c II B IP67
T	Ex-d c II C IP67

⑥ OPTIONS

<input type="checkbox"/>	No option	/C	Antinoise Condenser
W	Stable Manual Operator	/V	Varistor
X	Instable Manual operator	/LC	Low consumption coil
Y	Transmission pin		
/AP	High pressure version		
/SG	Degreasing for O ₂		
/LT	ATEX housing for t.amb -60°C		

USE AND SAFETY INSTRUCTIONS FOR IECEx SOLENOID VALVES AND DEVICES.

The product is destined to specialized users, able to interact with the product under safety conditions for the people, for the device itself and for the environment, in the full respect of the laws, normative and rules in force related to the installation in dangerous areas.

This document doesn't deepen information related to the installation, the assemblage, the dismantlement and the extraordinary maintenance neither the operations of repair, since such operations can exclusively be performed by authorized technical personnel.

Further instructions for the ordinary maintenance of the spare parts (coils or gaskets) can be found Nadi internet web site: <http://www.nadi.it>. or required to Nadi srl.

IECEx product repair or modification can be made only by the manufacturer.

Before proceeding to the installation: identify the device through the model marked on the rating plate (see example) with the aid of the identification chart.

The device is provided of threaded cable entry supplied without auxiliary devices of protection (cable gland, etc.). Use only certified devices compatible with the degree of protection of the device ⑤.

Preventively check that the type of device ① is compatible with the application for which it has been requested (application, fluid, pressures, temperatures, etc.).

The device is not intended to be connected to a separate heat source having a temperature higher than the maximum T.amb, specified on the rating plate marking. The installation must comply with the rules given in IEC 60079-14 and/or national regulations in force. Joints can not be repaired.

Verify, through the code of the device and with the aid of the identification chart (②, ④), that the device materials result compatible with the possible fluid in contact with them.

Don't use the solenoid valve with pressures out of the limits of pressure marked on the rating plate.

Solenoid valves are not suitable to intercept dust. Avoid the accumulation and/or entry of combustible dusts inside the device.

Avoid the accumulation of combustible dusts on the surfaces of the device.

Check that the value of the main voltage is between ±10% and of frequency compatible with the values marked on the rating plate.

Do not energize the solenoid valve without the protection devices correctly mounted (threaded cap of the housing completely screwed, security dowel screwed, cable entry devices correctly fitted and completely screwed).

Check that the solenoid valve is not energized before removing the protections devices (threaded cap, security dowel, cable entry devices).

After de-energizing delay 15 minutes before opening.

In case that the connection to the electric net will be made in a second time in comparison to the assemblage of the solenoid valve, make sure that the threaded cap and threaded cable entry result closed through proper sealing caps to avoid possible infiltrations of water inside the flameproof housing.

Don't screw the solenoid valve on the pipelines making lever on the flameproof housing.

Every device is marked with a reference number for traceability that will have to be supplied to the manufacturer in case of communications about, intervention requests, repairs, etc.

This document is a translation from the Italian language. For any doubt or dispute makes reference the original text in Italian language.