

# IDENTIFICATION CHART FOR NADI VALVE, SOLENOID VALVES AND ELECTROMAGNETIC DEVICES.

Device identification through the model marked on the rating plate.

MARKING EXAMPLE

## SOLENOID VALVES

① 00 ÷ 99 ② 00 ÷ 99 ③ ④ ⑤ ⑥

## AIR OPERATED VALVES

**M** 00 ÷ 99 ② 00 ÷ 99 ③ ④ ⑥

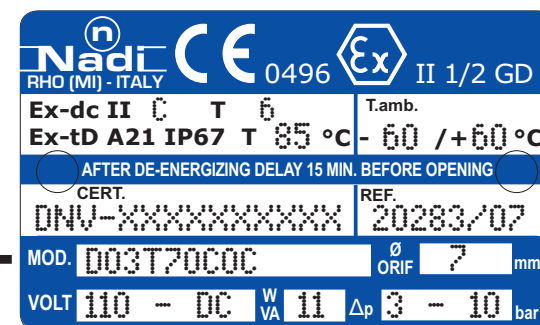
## ELECTROMAGNETIC DEVICES

**H** ② 0000 ÷ 9999 ⑤ ⑥

## CUSTOMIZED CODES

**V** ② 0000 ÷ 9999 ④ ⑤ ⑥

**■** FIXED LETTER    **□** VARIABLE LETTER



DEVICE IDENTIFICATION EXAMPLE

D 03 T 70 C 0 C  
 ↓ ↓ ↓ ↓ ↓ ↓  
 ① 00 ÷ 99 ② 00 ÷ 99 ③ ④ ⑤ ⑥

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

## ① DEVICE TYPE

<b>L</b>	2 way solenoid valves
<b>C</b>	3 way solenoid valves
<b>D</b>	5 way solenoid valve
<b>E</b>	2 way manual reset sol. valves
<b>F</b>	3 way manual reset sol. valves
<b>G</b>	5 way manual reset sol. valves
<b>M</b>	Air operated valves
<b>H</b>	Electromagnetic device
<b>V</b>	Customized code

## ② BODY MATERIAL

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

## ③ CONNECTION TYPE

THREADED CONNECTION		FLANGE or BASE JOINTS
Type UNI ISO 228.1 or ISO7.1 generically named "GAS"	Type ANSI B2.1 or B2.2 generically 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

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

## ⑤ PROTECTION DEGREE

<b>P</b>	IP65 with plug
<b>S</b>	IP67 with housing
<b>B</b>	Ex-dc II B IP67
<b>C</b>	Ex-dc II C IP67

## ⑥ OPTIONS

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

## USE AND SAFETY INSTRUCTIONS FOR ATEX 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, normatives 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 reparation, 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 directly be required to Nadi srl and/or retrieved on the Nadi internet web site: <http://www.nadi.it>.

**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.).

Check that the temperature of the possible fluid to intercept doesn't exceed the max. superficial temperature admitted by the class of temperature of the device (es.: class T6 T85°C) and that the type and the degree of protection of the device ⑤ results - compatible with the degree, the type of protection and the class of - temperature - required by the classification of the zone in which the device will be installed.

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.

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.

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

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 available in Italian language or English language. The possible translation in the language of the country of the final user shall be edited by the reseller/installer.