

Solenoid type 3050 & 3070 for solenoid valves



READ CAREFULLY BEFORE USE



Check the solenoid valve assignment is that for which it was requested (media, pressures, etc.)

Check solenoid valve type and protection degree compatibility with degree and type of protection assigned to the zone where solenoid valve must be installed.

Use the solenoid valve only with media compatible with the materials composing it: Brass OT58 UNI 5705-65 (Cu58% Zn40% Pb2%), Stainless Steel UNI X5CrNiMo1712 (AISI316) or UNI X2CrNiMo1712 (AISI316L) and type of elastomer used for seals.

Do not use the solenoid valves with pressure out of the range indicated on the rating plate.

Be sure that power supply value and type (alternate or direct) and of value between $\pm 10\%$ of the value indicated on the rating plate.

Do not energize the solenoid valves without protection devices correctly mounted (threaded plug screwed tight, security dowel screwed tight, cable entry devices correctly installed)

Before removing protection devices (security dowel, threaded plug, cable entry devices) check that solenoid valves is not energized.

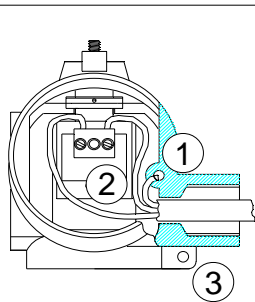
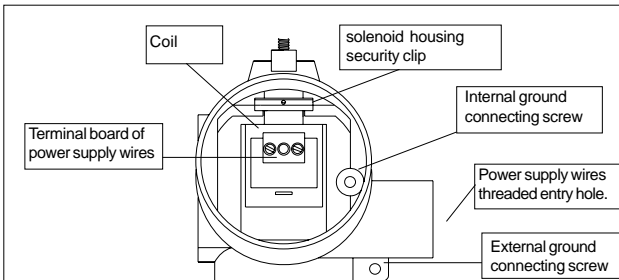
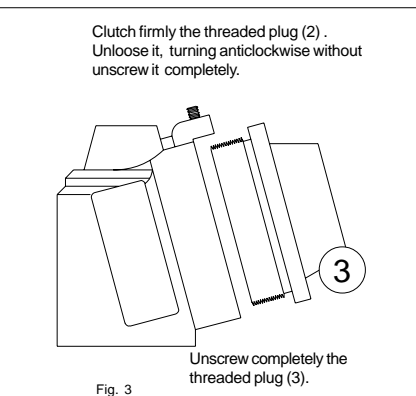
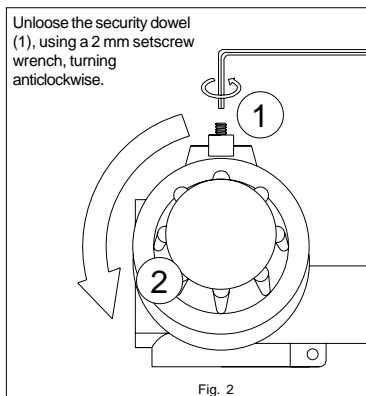
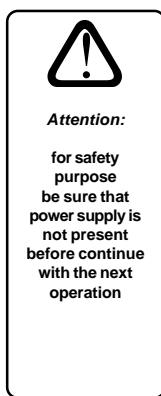
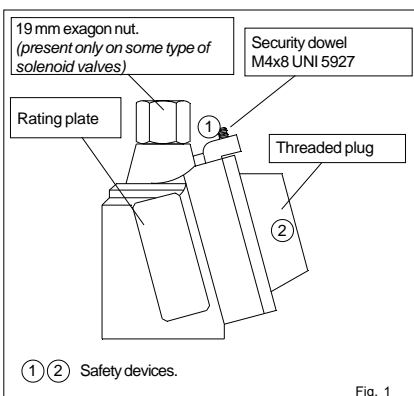
For coil replacement after failure read instruction "Coil replacement" following the indicated procedure using only tools and materials indicated by the manufacturer. Use only coil supplied by the manufacturer of proper type for the solenoid valve model and power supply value as indicated on the rating plate.

If connection to the power supply line will be effected after installation be sure that the threaded plug is screwed tight and the threaded cable entry is closed with a cap in order to prevent water infiltration inside explosion-proof solenoid housing.

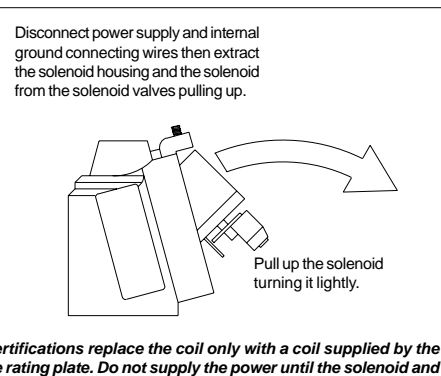
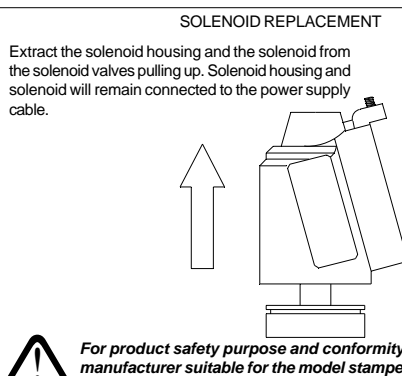
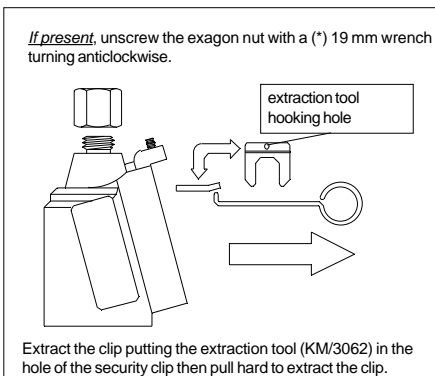
Do not use solenoid housing as a lever when mount solenoid valve on pipes.

MATERIAL IDENTIFICATION THROUGH SOLENOID VALVE MODEL

Example	L03	T	18	C	0	D
BODY MATERIAL						
T	Brass / Bronze					
H	St.Steel AISI 303/304					
I	St. Steel AISI 316					
L	Light Alloy					
C	Carbon steel					
PROCESS CONNECTION SIZE						
A	1/8" Gas	H	3/4" Gas	W	2" Npt	
B	1/8" Npt	I	3/4" Npt	Q	2 1/2 Gas	
C	1/4" Gas	L	1" Gas	R	3" Gas	
D	1/4" Npt	M	1" Npt	S	4" Gas	
E	3/8" Gas	N	1 1/4 Gas	U	Collector	
T	3/8" Npt	O	1 1/2 Gas	Z	Others	
F	1/2" Gas	V	1 1/2 Npt			
G	1/2" Npt	P	2" Gas			
TYPE OF PROTECTION						
P	IP65					
D	EEx d II B (type 3050)					
F	EEx d II C (type 3070)					
I	EEx i					
M	EExm					
SEAL MATERIAL						
0	NBR (Buna N)					
1	FPM (Viton ®)					
2	Voulkollan					
3	PTFE / RULON					
4	Metallica					
5	Neoprene					
6	EPDM					
7	HNBR (-45 °C)					
8	Others					
9	NBR (Buna N 60sh)					



Pipe fitting used for cable entry (cable duct, conduit, etc) are NOT supplied by the manufacturer. Should be care of the installer to use fittings of proper diameter and type suitable to secure tightness for the cable used. Pipe fittings (cable duct, conduit, etc) must be ATEX approved for a protection degree equal or greater than the protection degree indicated on the rating plate. Type of thread of the cable entry for the solenoid housing is stamped on the outlet side of the cable entry and it could be: 1/2" Gk, 1/2" NPT, M20x1,5 (ISO M20x1,5).



For product safety purpose and conformity with certifications replace the coil only with a coil supplied by the manufacturer suitable for the model stamped on the rating plate. Do not supply the power until the solenoid and the housing will be not assembled correctly on the solenoid valve.