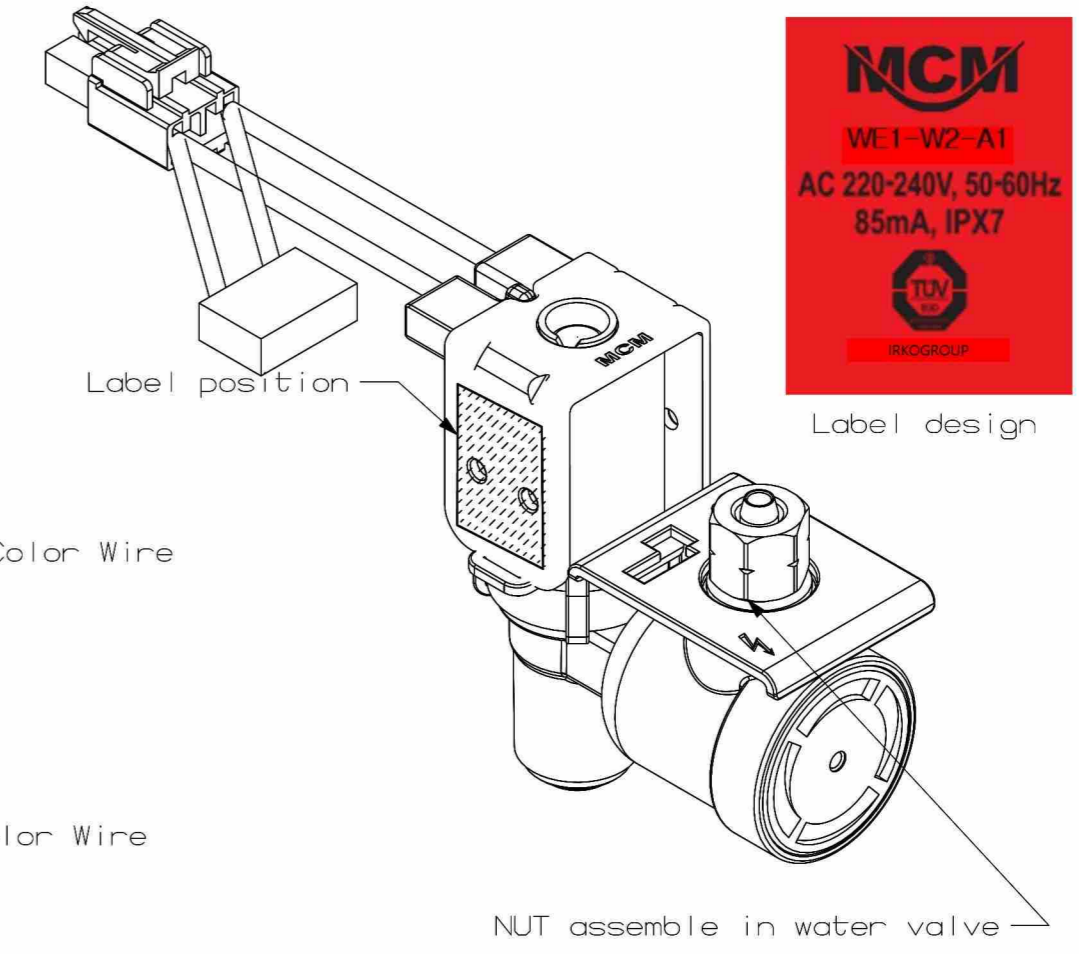
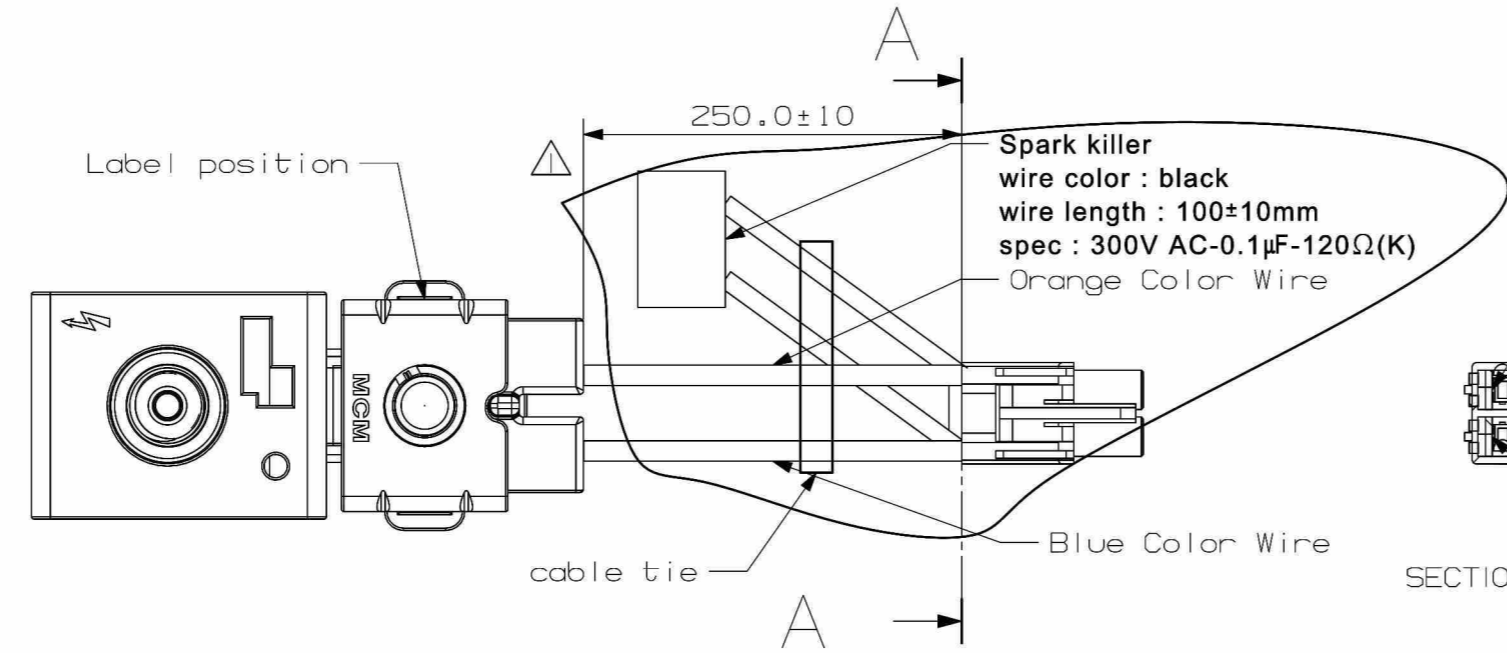
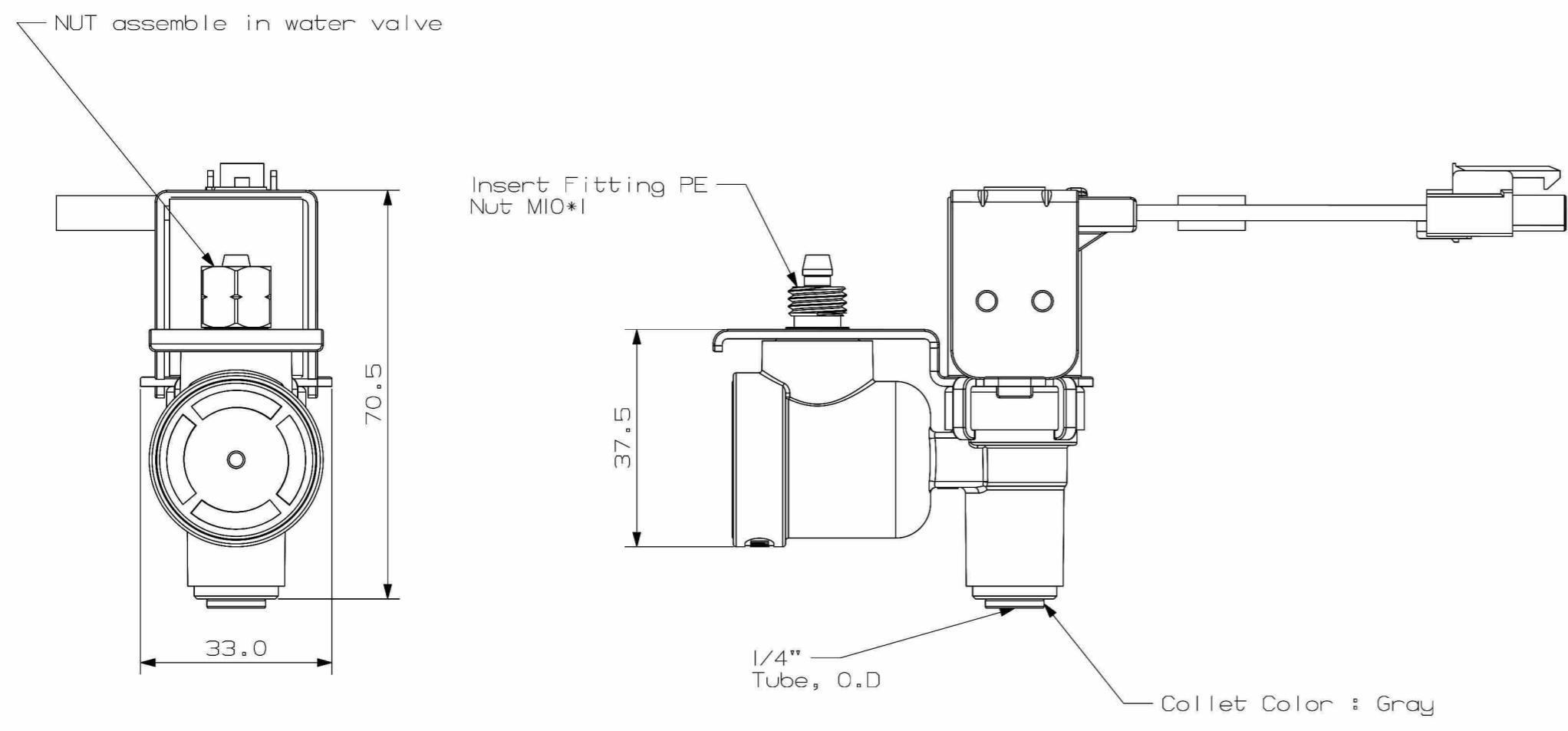


No.	Reliability test items	Test method	Pass criteria
1	CTF measurement	measuring points by using venire callipers (150mm)	Spec in.
2	Leak test	low pressure : power on for 7sec at $0.2 \sim 0.3 \text{kgf/cm}^2$ high pressure: power on for 7sec at $8.0 \pm 0.5 \text{kgf/cm}^2$	no leak.
3	Flow test	check flow at inlet part at 1.5 and 4.5kgf/cm^2 for water pressure	Spec in.
4	heat, cold resistance	heat: at 70°C for 48Hr / cold resistance: at -30°C for 48Hr \rightarrow on room temperature for 30min then functional test	Spec in.
5	Hydraulic test	increase pressure for 5min at 26kgf/cm^2 to for 15min to keep 26kgf/cm^2 and then decrease for 5min	no damage and leak
6	heat shock test	10times repeat test at $-30^\circ\text{C} \pm 2^\circ\text{C}$ for 0.5Hr and at $70^\circ\text{C} \pm 2^\circ\text{C}$ for 0.5Hr	Spec in.
7	Burst test	100,000cycle test at 2 on and 6 off	Spec in.
8	Burst test	add more than 60kgf/cm^2 within 2min	no damage and leak under lower than 55kgf/cm^2
9	withstand voltage test	voltage : at 1800V for 1 min (leakage current : 0.5mA) more than $100 \text{M}\Omega$ by measuring metal parts live part and un-live part by using DC500V megohmmeter	Spec in.
10	Torque test	test Torque by using Torque Wrench, more than $65 \text{kgf} \cdot \text{cm}$ and less than $75 \text{kgf} \cdot \text{cm}$	no damage and leak

No.	Code	Revision	Date	Sign	Checked
-		도면 제정	200102	K.J.Y	
▲		Adding spark killer	210531	K.J.Y	



	Model No	color	EA
Housing-Molex connector	35151-0214	Blue	1
Terminal	35746-0110	-	2
Terminal	35746-0310	-	2
T.P.A-Retainer	35150-0290	White	1



CODE NO(MCM)	WE1-W2-A1
Operation	ICE-MAKER
Flow Rate	$1.5 \text{kgf/cm}^2 / 6 \text{sec}$
	$4.5 \text{kgf/cm}^2 / 6 \text{sec}$
	$8.5 \text{kgf/cm}^2 / 6 \text{sec}$
Rated Voltage	AC220V~240V
Rated frequency	50,60[Hz]
Rated current	85 [mA] ↓
Coil Resistance[Ω]	$1600\Omega \pm 10\%$
Duration of use	intermittent
Water Pressure Extent	$1.0 \sim 8.5 \text{kgf/cm}^2$
BOBBIN Specification	VIOLET

- Note**
- Rated Voltage/Frequency : 220~240V 85mA at 50/60Hz, 20W
 - Duty Cycle : 7.5sec on / 15sec off
 - Fluid temperature : Water 25°C
 - Ambient Temperature : 40°C
 - Max Body Pressure : 8.5kgf/cm^2
 - Min/Max Operating Pressure Differential : $1.0 \sim 8.5 \text{kgf/cm}^2$
 - Coil Class : E
 - Outlet Type : 1/4"

Shojaei Jafar	signature		
Yakhsaran	signature		

Model Name	Yakhsaran_ oneway valve					
Unit	mm	designed	Checked	Approved	Paper Size	A2
Tolerance					SHEET NO	/
Scale	1:1					
(주)MCM	Product No.					