

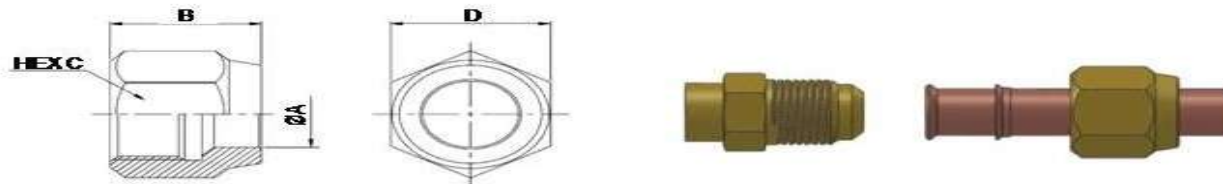
AL COATING PIPE



◆ SPEC : Design Pressure 42.3kgf/cm² / Salt Spray Test (1,024hrs) : No Leakage

| Dimensions | Model Number | | | |
|---------------------------------------|---------------------|------|------|-------|
| | 1/4" | 3/8" | 1/2" | 5/8" |
| Diameter (mm) | 6.35 | 9.52 | 12.7 | 15.88 |
| Length (m) | 5.0 / 7.5 / 10 / 15 | | | |
| Burst pressure (kgf/cm ²) | 300 | 250 | 180 | 140 |

AL COATING PIPE Flare Nut



| Model Number | Connections (mm) | | | |
|--------------|------------------|----|-------------------|----|
| | ØA | B | HEX C [Flare Nut] | D |
| 1/4 | 6.6 | 15 | 7/16-20 UNF | 17 |
| 3/8 | 9.8 | 18 | 5/8-18 UNF | 22 |
| 1/2 | 13.0 | 22 | 3/4-16 UNF | 24 |
| 5/8 | 16.2 | 26 | 7/8-14 UNF | 27 |

■ Coated Aluminum Pipe

| 구분 | ALUMINUM COATING PIPE |
|-----------------------|---|
| Feature | <ul style="list-style-type: none"> <input type="checkbox"/> Salt Spray Test : KSD9502, 720HR <input type="checkbox"/> Refrigerants : R410A and Any refrigerants available <input type="checkbox"/> Temp :120°C/720HR, -30°C/720HR <input type="checkbox"/> 250,000 Cycle Test <input type="checkbox"/> Pressure: 30.4Kg/cm³ <input type="checkbox"/> Vibration : 0.1S – 5Hz more than. |
| Advantage | <ul style="list-style-type: none"> <input type="checkbox"/> Anti-corrosion (Salt Spray Test : KSD9502, 720HR) <input type="checkbox"/> Excellent Heat and Cold resistance <input type="checkbox"/> Implement different colors |
| Cost effective | <ul style="list-style-type: none"> <input type="checkbox"/> Cost down to Cu. Pipe <input type="checkbox"/> Light weight <input type="checkbox"/> Flexible for install workability <input type="checkbox"/> Flare Nut with sleeve for Zero leakage |
| Approved | <ul style="list-style-type: none"> <input type="checkbox"/> Samsung A/C approved since 2011. <input type="checkbox"/> Standard use in Airconditioner. |

□ Salt Spray Test

Test Profile

- ▶ Test Condition
 - NaCl Density $5 \pm 1\%$
 - Chamber Temperature $35 \pm 2^\circ\text{C}$
 - ph 6.5 ~ 7.2
 - Spray Volume 1 ~ 2ml/hr
 - Testing Time 720hr
- ▶ Test Sample
 - 3/8" Coating Pipe + Nut + Nipple + SB1
 - 5/8" Coating Pipe + Nut + Nipple + SB1
- ▶ Test Criteria
 - No corrosion at the tube surface
 - No leak at applying 30bar air pressure.

Test Result

- ▶ Test Result
 - ☞ No Leak, No Corrosion

| 구분 | Initial | Final | Result |
|---------------|---------|-------|--------|
| Corrosion | No | No | Pass |
| Leak at 30bar | No | No | |

<Test Photo>



Test Profile

► Test Method

- Grease KF96 silicone oil on the flared surface



- Tighten the flare nut with a wrench

| Size | Rating | Rating*2 |
|------|--------|----------|
| 1/4" | 13Nm | 26Nm |
| 3/8" | 17Nm | 34Nm |
| 1/2" | | |
| 5/8" | | |

- Apply 40bar air pressure into the test tube
Check the leak in the water tank for 1min



Test Result

► Test Result

☞ No Leak


| Size | Rating | Rating*2 |
|------|---------|----------|
| 1/4" | | |
| 3/8" | No Leak | No Leak |
| 1/2" | | |
| 5/8" | | |

<Test Sample>



□ Fatigue Test

- Test Method : (4kgf/cm² ↔ 35kgf/cm²), 3Hz/ 250,000 cycle
- Test SPEC : Air 30kgf/cm² for 1 minute as no leakage
- Test Result : Pass

| Size | Leak Test(30kgf/cm ²) | | Test condition |
|------|-----------------------------------|---------|---|
| | #1 | #2 | |
| 1/4" | No leak | No leak |  |
| 3/8" | No leak | No leak | |
| 1/2" | No leak | No leak | |
| 5/8" | No leak | No leak | |