

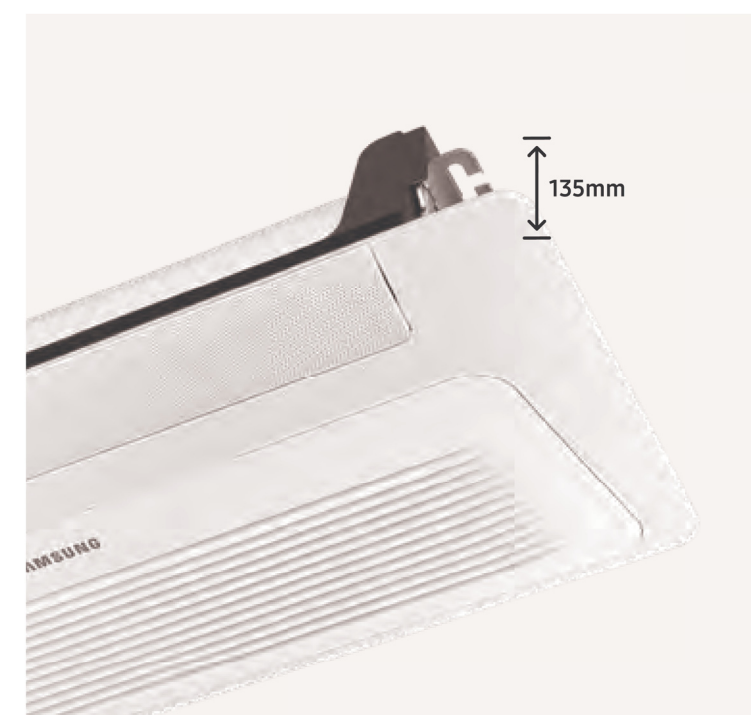
Featured Products

Wind-Free™ 1-Way Cassette

Wind-Free Technology

Wind-Free™ Cooling is some of Samsung's most advanced technology. The Wind-Free™ 1-Way Cassette pushes air out through tiny holes in the panel, dispersing a gentle flow of air. These 13,000 micro holes are paramount in creating a kind of airflow called still air*, which cools the room gradually and noticeably with no draughts.

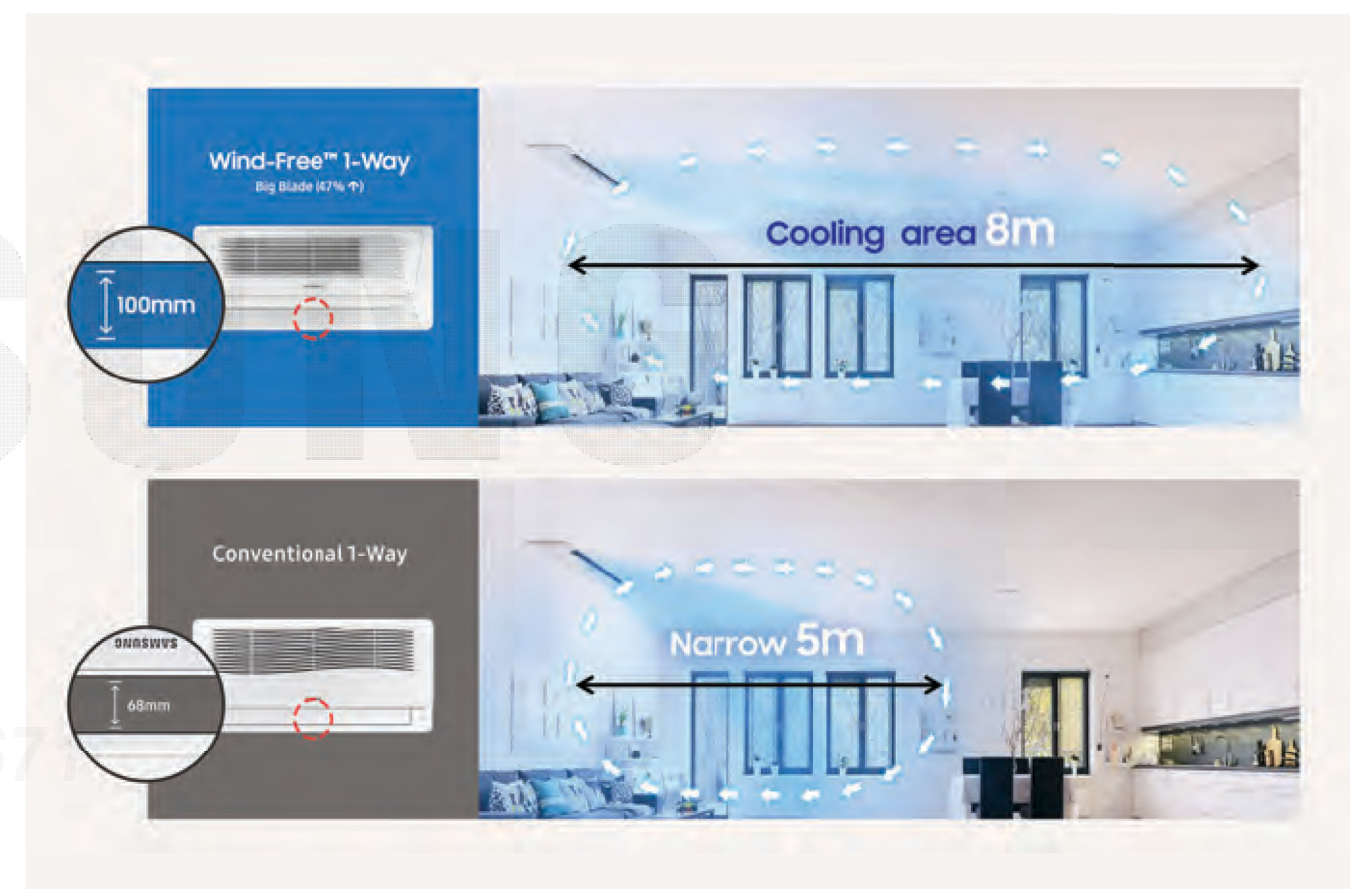
* ASHRAE (American Society of Heating, Refrigeration, and Air-Conditioning Engineers) defines "Still Air" as air currents moving at speeds below 0.15m/s, which lacks the presence of cold draughts



Slim Installation/Small Footprint

At a height of only 135mm¹, the Wind-Free™ 1-Way Cassette is a compact and lightweight device (8-13.5kg²). This slim design makes it not only visually pleasing, but also easier to install and maintain, and it can be fitted in the smallest of ceiling gaps.

¹ Up to 3.6kW, larger models measure 138mm
² 1.7kW & 2.2kW models measure 8kg, 5.6kW & 7.1kW measure 13.5kg



Wider Cooling Range

The larger and optimised blade works to cool a larger area much faster. Its sleek design can deliver cool air efficiently up to 8m* and offers rapid and even cooling, with no zone left untouched.

* Based on the 7.1kW indoor unit.

Specifications



Wind-Free™ 1-Way Cassette R32 NEW

| Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase | | | AC026RN1DKG/EU AC026RXADKG/EU | AC035RN1DKG/EU AC035RXADKG/EU |
|--|--------------------------------------|---------------|---|----------------------------------|
| Capacity | | | | |
| | Cooling (Min/Nominal/Max) | kW | 0.82 / 2.60 / 3.80 | 0.85 / 3.50 / 4.20 |
| | Heating up to +7°C (Min/Nominal/Max) | kW | 0.98 / 3.30 / 4.40 | 1.00 / 4.00 / 5.00 |
| | Heating @ -5°C | kW | 3.2 | 3.9 |
| | Heating @ -15°C | kW | 2.9 | 2.8 |
| Performance | | | | |
| Energy Efficiency Cooling | SEER | W/W | 6.4 / A++ | 6.2 / A++ |
| | Consumption | kWh/a | 142 | 198 |
| | Pdesignc | kW | 2.6 | 3.5 |
| | EER | W/W | 3.61 | 3.21 |
| Energy Efficiency Heating | SCOP | W/W | 4.0 / A+ | 4.0 / A+ |
| | Consumption | kWh/a | 700 | 700 |
| | Pdesignh (average) | kW | 2.0 | 2.0 |
| | COP | W/W | 3.26 | 3.12 |
| AirFlow Rate | Indoor Unit (High/Mid/Low) | m3/min | 7.3 / 6.5 / 5.8 | 9.0 / 8.2 / 7.2 |
| Sound Power | Indoor Unit | dB(A) | 52 | 55 |
| | Outdoor Unit | dB(A) | 59 | 61 |
| Sound Pressure | Indoor Unit (Silent/Low/Mid/High) | dB(A) | 25 / 26 / 29 / 32 | 28 / 29 / 32 / 35 |
| | Outdoor Unit | dB(A) | 46 / 47 | 48 / 48 |
| Fan/ Outdoor unit | Type | | Crossflow Fan | Crossflow Fan |
| | Power | W | 27 | 27 |
| | Number | EA | 1 | 1 |
| External Static Pressure | Min / Std / Max | Pa | | |
| Operating Temp. Range | Cooling | °C | -15 ~ 46 | -15 ~ 46 |
| | Heating | °C | -20 ~ 24 | -20 ~ 24 |
| Electrical Data | | | | |
| Power Source | Indoor Unit | V / Hz / Φ/ # | 220~240/ 50/ 1/ 2 | 220~240/ 50/ 1/ 2 |
| | Outdoor Unit 1P | V / Hz / Φ/ # | 220~240/ 50/ 1/ 2 | 220~240/ 50/ 1/ 2 |
| | Outdoor Unit 3P | V / Hz / Φ/ # | | |
| Compressor Type | Outdoor Unit | Type | Single BLDC | Single BLDC |
| Power (Min/ Nominal/Max) | Cooling | kW | 0.17 / 0.72 / 1.16 | 0.18 / 1.09 / 1.40 |
| | Heating | kW | 0.20 / 1.01 / 1.45 | 0.19 / 1.28 / 1.80 |
| Current Input | Cooling (Min/Std/Max) | A | 1.2 / 3.8 / 5.4 | 1.6 / 5.3 / 7.5 |
| | Heating (Min/Std/Max) | A | 1.4 / 5.0 / 7.0 | 1.3 / 6.2 / 10.5 |
| | Cooling- Tri-Phase (Min/Std/Max) | A | | |
| | Heating- Tri-Phase (Min/Std/Max) | A | | |
| Dimensions | | | | |
| Net Dimensions (W x H x D) | Indoor Unit | mm | 970 x 135 x 410 | 970 x 135 x 410 |
| | Outdoor Unit | mm | 790 x 548 x 285 | 790 x 548 x 285 |
| Net Weight | Indoor Unit | kg | 9.2 | 9.2 |
| | Outdoor Unit | kg | 32.5 | 32.5 |
| Refrigerant | | | | |
| Refrigerant | Type | | R32(Contains fluorinated greenhouse gases. GWP=675) | |
| | Factory charging | kg | 0.9 / 20m | 0.9 / 20 |
| | Charging Ton equivalent CO2 | tCO2e | 0.61 tCO2e | 0.61 tCO2e |
| | Additional refrigerant charging | g / m | - | - |
| Piping Connections | Liquid Pipe | Φ.inch | 1 / 4 | 1 / 4 |
| | Gas Pipe | Φ.inch | 3 / 8 | 3 / 8 |
| Piping Length | Min/ Max | m | 3 / 20 | 3 / 20 |
| Piping Height | Max | m | 15 | 15 |
| Piping Connections | Drain pipe | Φ.mm | ID 18 | ID 18 |
| Others | | | | |
| Panel | Model code | | PC1NWFMAN | PC1NWFMAN |
| | Net Dimensions (W x H x D) | mm | 1198 x 35 x 500 | 1198 x 35 x 500 |
| | Net Weight | kg | 4.3 | 4.3 |
| Accessoires | Drain pump | | included | included |
| | Max lifting height/ displacement | mm / L/h | 750/24 | 750/24 |

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Blade angle between 37° and 87°, Blade width100mm.
- Built-in humidity sensor.
- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH2O).

| Accessories | | | | | |
|---|---|---|---|---|---|
| Individual Controllers (Optional) | | | Others (Optional) | | |
|  |  |  |  |  |  |
| AR-EH05L | MWR-SH00N | MWR-SH11N | MWR-WE13N | PC1NWFMAN | MRW-TA |

Learn more about Samsung Climate Solutions at: www.samsung.com/climate

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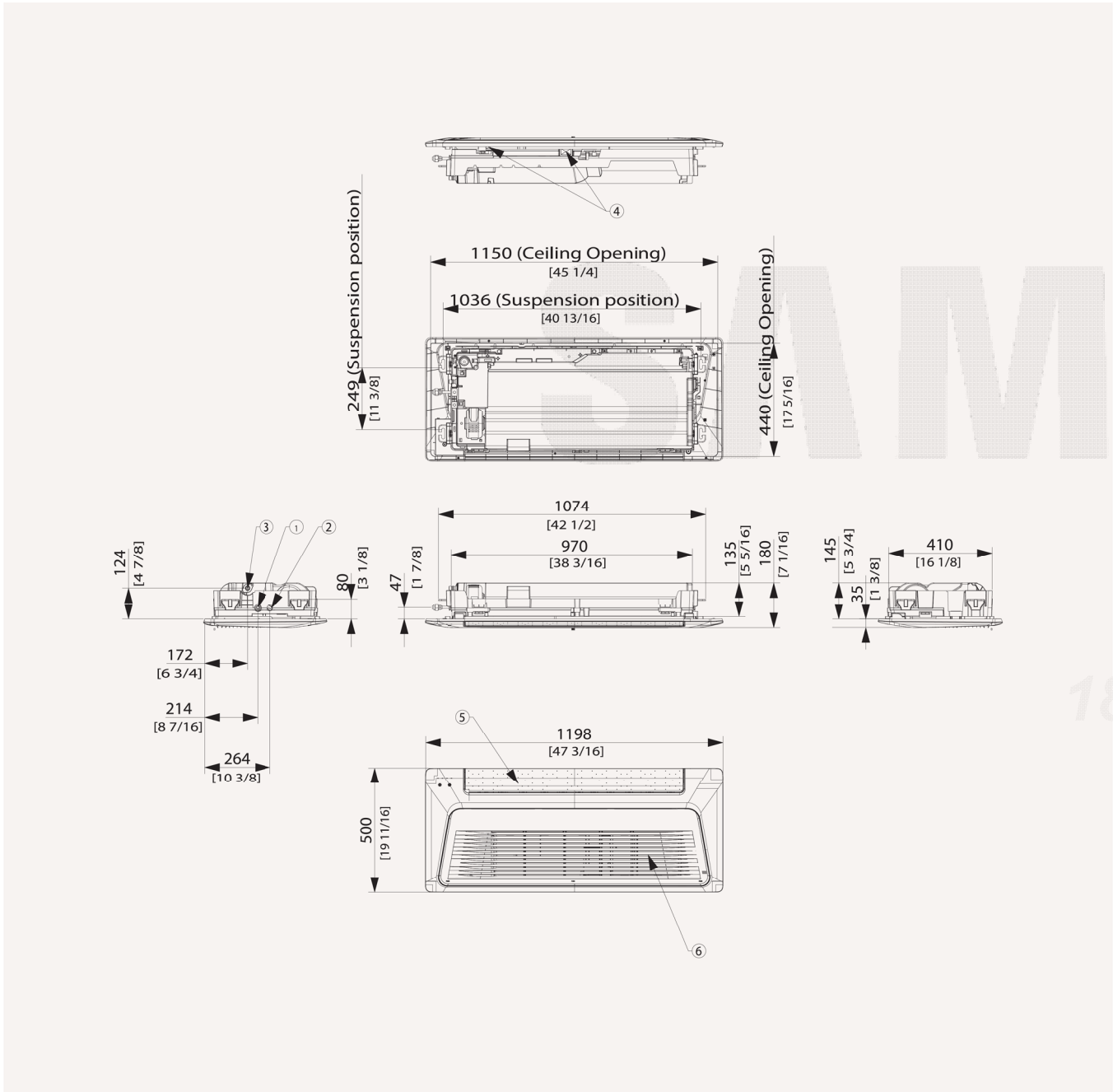
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Dimensional Drawings

Wind-Free™ 1-Way Cassette

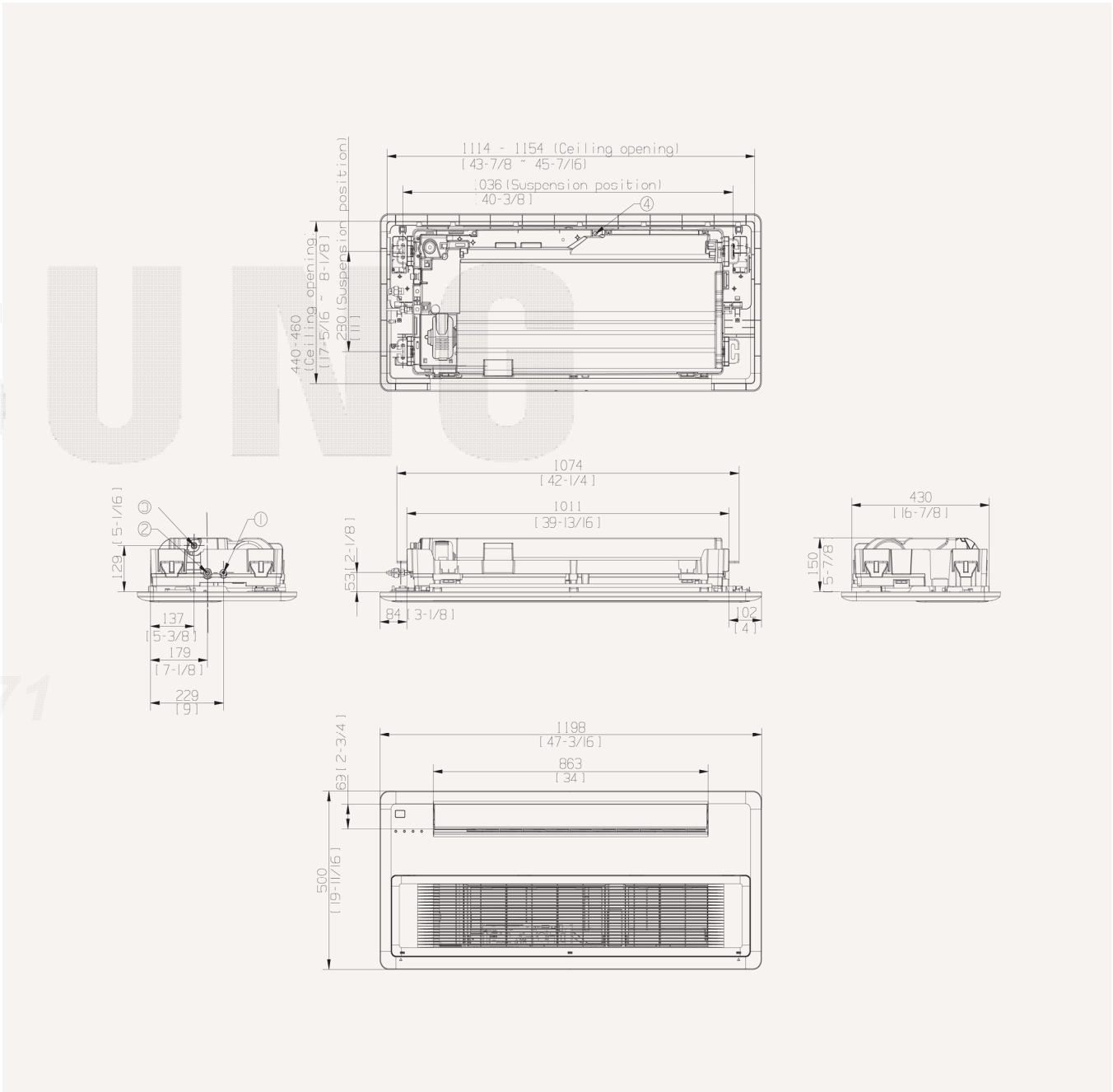
AC0026/035RN1DKG/EU



| No. | Name | Description |
|-----|---|-------------------|
| 1 | Gas pipe connection | Ø9.52 (3/8") |
| 2 | Liquid pipe connection | Ø6.35 (1/4") |
| 3 | Drain hose connection | VP20 (OD26, ID20) |
| 4 | Power supply/Communication wiring conduit | - |
| 5 | Air outlet louver | - |
| 6 | Air inlet grille | - |

1-Way Cassette

AC026/035MN1DKH/EU



| No. | Name | Description |
|-----|---|-------------------|
| 1 | Liquid pipe connection | Ø6.35(1/4) |
| 2 | Gas pipe connection | Ø9.52(3/8) |
| 3 | Drain pipe connection | VP-20(OD26, ID20) |
| 4 | Power supply & Communication wiring conduit | - |