

FTES

FUKUDA TEST ENVIRONMENT SOLUTION

フクダが提供する
そくていかんきょうせいび
【測定環境整備】

流体計測を行う上で長期的に高い費用
対効果と設備安定性を得る為に適切な
計測条件及び環境設定を提案すること

Fukuda presents...
[Fukuda Test Environment Solution]
Proposing testing conditions and environmental settings that are appropriate for achieving a long-term high cost to operation and stability of equipments in conducting fluid testing.

Minute Flow-Generating Unit Flow Master

微小유량 노즐 플로우 마스터 FFM-100

그동안 계산에 의하여 누설 조건등을 설정하였으나 본 기기는 에어 리크 테스트의 조건 설정 및 신뢰성 확인 작업을 할 수 있도록 실제 누설을 발생시키는 기준기입니다.

This unit is designed to simulate actual generated air flow(leak) for air leak testing settings that had been previously obtained by calculations an pressure rate conversions.



着脱自在 Easily Mountable

機能確認 (日常点検)

Function Monitoring
(Daily Maintenance)

- 에어 리크 테스트가 정확하게 NG품을 판정하고 있는가?
- Does the leak tester evaluate reject items as FAIL.

精度確認 (定期点検)

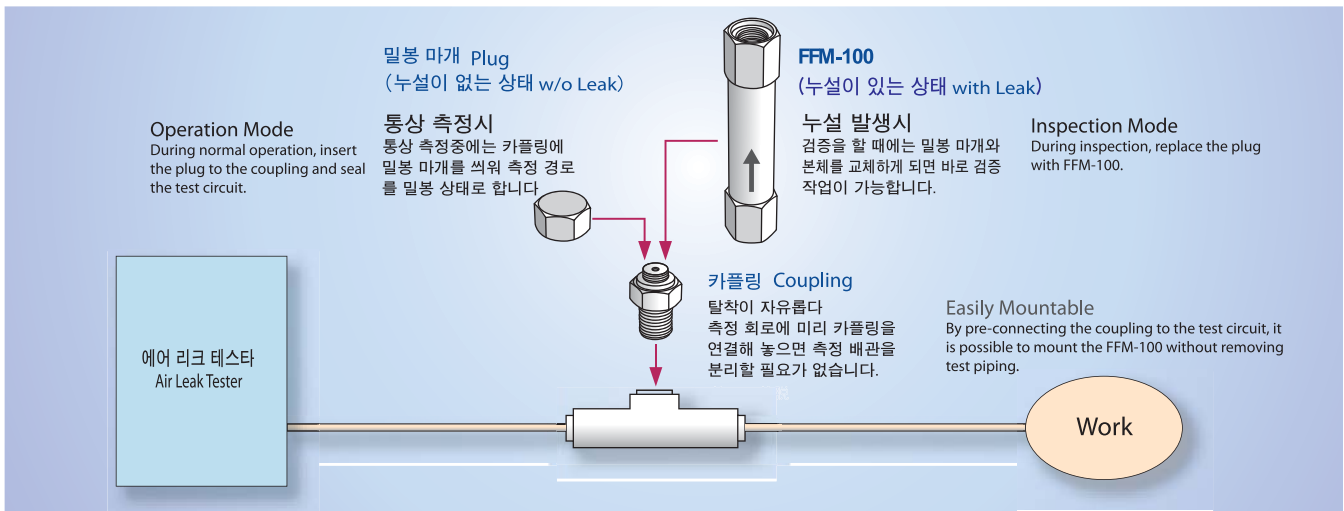
Sensitivity Verification
(Periodical Maintenance)

- 규정 누설이 발생할 때 정상적인 감도를 표시하고 있는가?
- Does leak testing indicate accurate corresponding sensitivity when an established amount of leak is generated.

条件選定 (規格決定)

Condition Setting
(Standard Determination)

- 이 누설량일 때, 얼마에 설정하면 좋을까?
- To determine the most appropriate evaluation-setting rate when a certain leak rate is generated.



■ 형 식 Model

FFM - 100 - ① - ②

지정압력 지정유량
Test Pressure Range Flow Rate Range

	① 지정압력	② 지정유량
正 圧	1 0 ~ 50 kPa	0.1 ~ 50 ml/min
	5 0 ~ 100 kPa	0.1 ~ 100 ml/min
	1 0 0 ~ 800 kPa	0.1 ~ 200 ml/min
負 圧	-1 0 ~ -80 kPa	0.1 ~ 50 ml/min

* 지정 유량 0.2ml/min 미만은 보증서를 발행하지 않습니다.
* 지정된 유량과 측정기의 유량에 오차가 발생합니다.
(±5% 단, 1ml/min 이하인 경우는 ±0.05ml/min)

	① Test Pressure Range	② Flow Rate Range
Positive Pressure	1 0 ~ 50 kPa	0.1 ~ 50 ml/min
	5 0 ~ 100 kPa	0.1 ~ 100 ml/min
	1 0 0 ~ 800 kPa	0.1 ~ 200 ml/min
Vacuum Pressure	-1 0 ~ -80 kPa	0.1 ~ 50 ml/min

*The traceability cannot be issued for lower than 0.21ml/min.
*An error arises between a specified flow rate and measuring equipment one.
(±5%, but ±0.05ml/min when smaller than 1ml/min.)

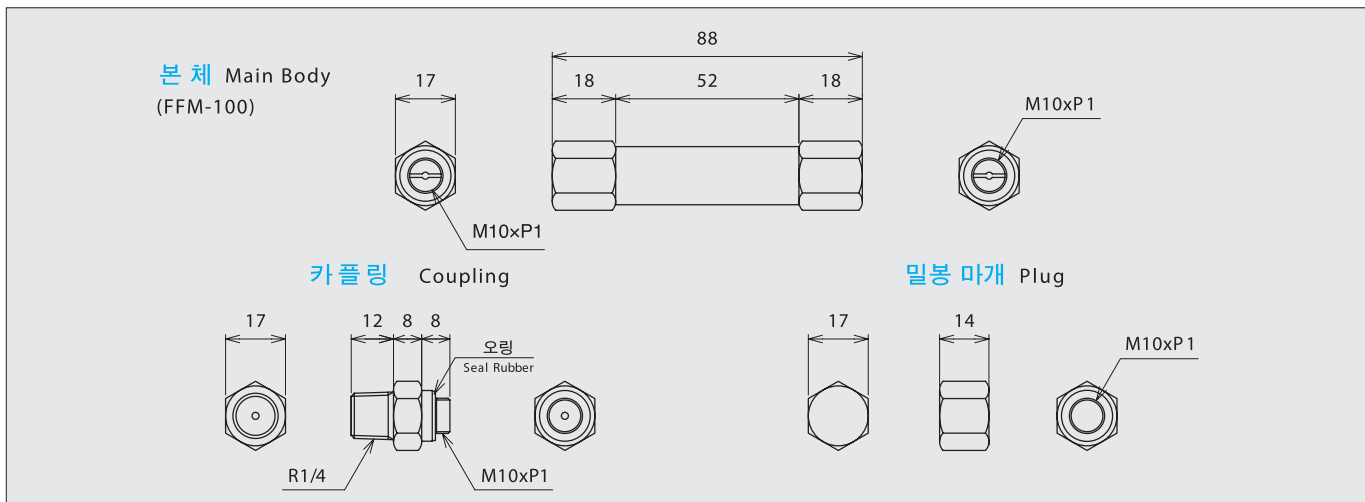
■ 사 양

사 용 매 체	클린에어 (압축 공기 품질 등급 1.3.1에 해당)
사 용 온 도	2 3°C±3 °C
재 현 성	측정 유량에 대해서 ± 5% (주변온도23°C일 것) 단, 측정 유량이 1ml/min 이하인 경우는 측정유량 ± 0.05ml /min
부 속 품	커플링 2개, 밀봉마개 1개, 취급설명서, 보증서, 검사 성적서

■ Specification

Flow Medium	Clean Air (Compressed Air Quality Class 1.3.1)
Temperature	23°C±3°C
Reproducibility	±5% against measuring flow at ambient temperature 23°C, but measurement flow ±0.05 ml/min when lower than 1ml/min.
Accessory	Coupling × 2, Plug × 1, Operation Manual, Guarantee, Inspection Sheet

■ 외형치수 External Dimensions (Unit: mm)



主 製 品 ● 에어리크테스터 ● 디지털마노미터 ● 플로테스터 ● 압카онтро러 ● 関連省力検査システム
Main Product Line ● Air Leak Testers ● Digital Manometers ● Flow Tester ● Pressure Supply Units ● Related Labor-saving Testing Technologies

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