



The World's Best Solution

Flow & Level Measurement

Differential Pressure Flow Elements

WISE

F100

Orifice Plate

Concentric Square Edged Orifice
Quadrant Edged Orifice
Eccentric Orifice
Segmental Orifice

F200

Orifice Plate with Ring

Concentric Square Edged Orifice
Quadrant Edged Orifice
Minimum Quadrant Edged Orifice

F300

Ring Joint type Orifice Plate

Concentric Square Edged Orifice
Quadrant Edged Orifice

F400

Restriction Orifice Plate

Restriction Plate, Full-Face Restriction Plate
Restriction Carrier, Multi-Hole Restriction Plate
Multi-Stage Restriction Unit
Conical Shaped Plate

F500

Orifice Plate Assembly

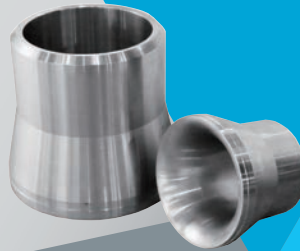
Welding Neck, Slip-On, Socket-Weld
Ring-Joint Welding Neck
Nominal Diameter : 25 ~ 600 mm (1 ~ 24")

WISE



F510

Integral Flow Orifice Assembly
Line size : 15 ~ 40 mm ($\frac{1}{2}$ ~ $1\frac{1}{2}$ ")



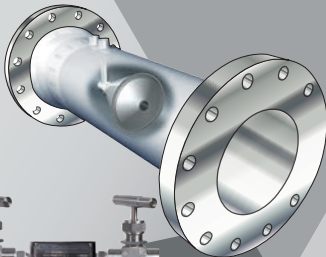
F600

Flow Nozzle
Flange Type, Weld-in Type, Holding Ring Type
Pipe Size : 50 ~ 630 mm (2 ~ 25")



F700

Venturi Tube
Fabricated Flange Type, Fabricated Weld-on Type
Machined Flange Type, Machined Weld On Type
Pipe Size : 50 ~ 1,200 mm (2 ~ 48")



F750

Venturi Cone
End fitting : Flanged, Threaded, Hub or Weld-End Standard,
Others on Request
Line Size : 0.5 ~ 120" or Larger



F760

Averaging Pitot Tube
Pipe Size : 50 ~ 1,800 mm (2 ~ 72")
Max. Working Pressure : 15 MPa
Max. Working Temperature : 600°C
Accuracy : $\pm 1\%$ of Actual Flow Rate



F770

Wedge Meter
Measuring Fluid : Liquid, Gas and Steam
Pipe Size : 0.5 ~ 24"

Level Gauge & Sight Glass

WISE

L100

Reflex Type Level Gauge

Visible Length : 90 ~ 3510 mm

Max. No. of Section : 10 Sections

L200

Transparent Type Level Gauge

Visible Length : 90 ~ 3510 mm

Max. No. of Section : 10 Sections

Vessel Connection : $\frac{3}{4}$ or 1" Flanged ANSI 150 ~ 2500 Lb

Max. Pressure : 4, 10 and 24 MPa

L300

Magnetic Float Type Level Gauge

Max. Pressure : 6 MPa / 15 MPa

Max. Temperature : 300 °C

Specific Gravity : Min. 0.45

Viscosity : Max. 50 CP

L400

Tubular Gauge

Working Pressure : Max. 0.48 MPa

Working Temperature : Max. 100°C

Hydro Test Pressure : 0.73 MPa

L500

Transparent and Two-Color Level Gauge

Max. Pressure : 10 MPa

WISE



L510

**Multi-Port Type
Two-Color Level Gauge**
Max. Pressure : 21.5 MPa



S110

See Through Type Sight Glass
Max. Pressure : 2.9 MPa
Max. Temperature : 300°C
Glass : Tempered



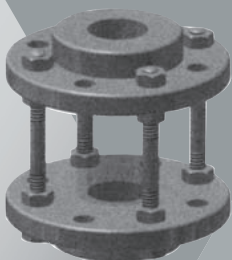
S210

Flapper Type Sight Glass
Connections : Screwed end, Flanged end
Max. Pressure : 2.9 MPa
Max. Temperature : 300°C
Glass : Tempered



S310

Ball Type Sight Glass
Connections : Screwed end, Flanged end
Max. Pressure : 2.9 MPa
Max. Temperature : 100°C
Glass : Tempered

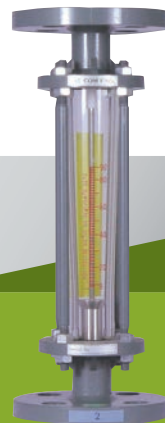


S410

Lantern Type Sight Glass
Connections : Flanged end
Max. Pressure : 0.7 MPa
Max. Temperature : 100°C
Glass : Tempered

Flowmeter

WISE



F80X F81X

Glass Tube Flowmeter Flange Connection

Connections : Flanged
Size : 15 ~ 100A (65 ~ 100A)
Pressure Rating : Max. 10 kgf/cm²
Temperature Rating : Max. 120°C
Accuracy : ±2.0% of Full Scale
Material : 304SS, 316SS



F820

Orifice Flowmeter

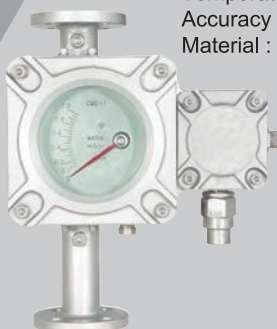
Connection : Flanged
Size : 10 ~ 500A
Pressure Rating : Max. 20 kgf/cm² / STD. 10 kgf/cm²
Temperature Rating : Max. 200 °C / STD. 120 °C
Accuracy : ±3.0% of Full Scale



F82X

Metal Tube Flowmeter

Connection : Flanged
Size : 15 ~ 200A
Pressure Rating : Max. 60 kgf/cm² / STD. 10 kgf/cm²
Temperature Rating : Max. 300 °C / STD. 120 °C
Accuracy : ±3.0% of Full Scale
Material : 304SS, 316SS



WISE



F850

Flow Switch and Sight Flowmeter

Connection : Flanged, Screwed

Size : 10 ~ 300A / 350 ~ 500A

Pressure Rating : Max. 60 kgf/cm² / STD. 10 kgf/cm²

Temperature Rating : Max. 300 °C / STD. 120 °C

Accuracy : ±5.0% of Full Scale



F90X

Turbine Flowmeter

Connection : Flanged, Screwed

Size : 10 ~ 250A

Pressure Rating : Max. 350 kgf/cm²(Option) / STD. 10 kgf/cm²

Temperature Rating : Max. 200 °C(Option) / STD. 120 °C

Accuracy : ±1.0% of Full Scale

Enclosure : Ex d IIB T6

Ultrasonic Flow Meter



U100

Ultrasonic Liquid Flow meter Clamp-on Type

Measurement : ± 12 m/s
Accuracy : $1\% \geq 0.3$ m/s
Power Supply : 20 to 30 VDC
Output : AO (4-20 mA), DO (Pulse, Relay 2ch.)

U101

Ultrasonic Liquid Flow Meter In-line Type

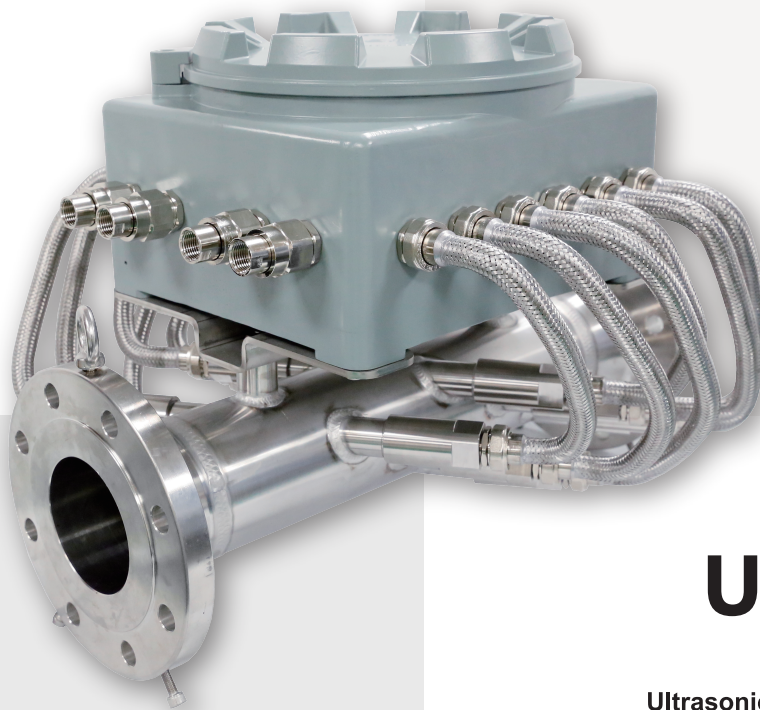
Measurement : ± 24 m/s
Accuracy : $1\% \geq 0.3$ m/s
Power Supply : 20 to 30 VDC
Output : AO (4-20 mA), DO (Pulse, Relay 2ch.)



U103

Ultrasonic Flow Transmitter

Flow range(LPM) : $0.3 \sim 50 - \frac{3}{4}$ "(DN15)
 $0.5 \sim 80 - \frac{1}{2}$ "(DN20)
Accuracy : $\pm 1\%$
Power Supply : 24 VDC Loop Power
Output : AO (4-20 mA)



U111K

Ultrasonic Gas Flow Meter

Measurement : $\pm 0.3 \sim \pm 32$ m/s
 Pressure : 1 ~ 50 bar @ANSI CLASS 600
 Accuracy : Upper DN300 $\pm 0.35\%$ ($q_v \geq q_{v,t}$)
 $\pm 0.7\%$ ($q_{v,min} \leq q_v \leq q_{v,t}$)
 Under DN300 $\pm 0.5\%$ ($q_v \geq q_{v,t}$)
 $\pm 0.7\%$ ($q_{v,min} \leq q_v \leq q_{v,t}$)

U202

Ultrasonic Liquid Level Transmitter

Sensor Type : Stick Sensor($\frac{3}{4}$ " VCR)
 Bottom Sensor
 Blind Zone : 20 mm
 Accuracy : ± 0.1 mm
 Power Supply : 24 VDC Max. 150 mA
 Output : AO(4-20 mA, 0-10 VDC), DO 2ch



Certificates

유자격공급자 등록증
Certificate of Registration

등록번호 (Certificate No.) : 201400656
상 호 (Company Name) : (주) 와이즈컨트롤
공장주소 (Factory Location) : 경기도 수원시 기흥구 역삼로22 222 (온수유닛빌딩), 경기도 화성시 아도면 아도원로4길 5 (화성공장)
대표자 (Chief Executive officer) : 이상훈

당기 일하는 우리 회사의 공급자관리지침에 따라 심사한 결과 표기기기기에 공급업체로 등록되었습니다.

This is to certify that according to KSDP's qualification procedure, this company has been registered as KSDP's Approved Supplier for the below items.

NO	품목 Item Code	품명 Item Description	품질 등급 Quality Class	등록 장소 Field	유효기간 Authorized Period
1	1211	Level Gauge Glasses & Flow Measuring Orifices	T	현장적	2015.01.28-2018.01.27
2	1221	Temperature Element & Thermowells For General Service	T	현장적	2015.01.28-2018.01.27
3	1219	Pr Switches & Differential Pr Switches / Indicators	T	현장적	2015.01.28-2018.01.27
4	1223	Temperature Element & Thermowells For N.S.	Q	현장적	2015.01.28-2018.04.15
5	1221	Pressure Gauge Measurement	T	현장적	2015.01.28-2018.01.27
6	1225	Miscellaneous Flow Device	T	현장적	2015.01.28-2018.01.27

2015.01.28

한국수력원자력(주)
Korea Hydro & Nuclear Power Co., Ltd.

유자격공급자 등록증
Certificate of Registration

등록번호 (Certificate No.) : 201300631
상 호 (Company Name) : (주) 와이즈컨트롤
공장주소 (Factory Location) : 경기도 화성시 아도면 아도원로4길 5
대표자 (Chief Executive officer) : 이상훈

당기 일하는 우리 회사의 공급자관리지침에 따라 심사한 결과 표기기기기에 공급업체로 등록되었습니다.

This is to certify that according to KSDP's qualification procedure, this company has been registered as KSDP's Approved Supplier for the below items.

NO	품목 Item Code	품명 Item Description	품질 등급 Quality Class	등록 장소 Field	유효기간 Authorized Period
1	1224A	Averaging Pitot Tube For Nuclear Service	Q	현장적	2013.12.16-2018.12.15
2	1234B	Averaging Pitot Tube For General Service	T	현장적	2013.12.16-2018.12.15
3	M273	Flow Restriction Element & Venturis	Q	현장적	2013.12.16-2018.12.15

2013.12.16

한국수력원자력(주)
Korea Hydro & Nuclear Power Co., Ltd.

유자격공급자 등록증
Certificate of Registration

등록번호 (Certificate No.) : 201400495
상 호 (Company Name) : (주) 와이즈컨트롤
공장주소 (Factory Location) : 경기도 화성시 아도면 아도원로4길 5
대표자 (Chief Executive officer) : 이상훈

당기 일하는 우리 회사의 공급자관리지침에 따라 심사한 결과 표기기기기에 공급업체로 등록되었습니다.

This is to certify that according to KSDP's qualification procedure, this company has been registered as KSDP's Approved Supplier for the below items.

NO	품목 Item Code	품명 Item Description	품질 등급 Quality Class	유효기간 Authorized Period
1	1244A	VENTURI METER	A	2015.04.23-2018.04.22
2	2974A	THERMOMETER	A	2015.04.23-2018.04.22
3	1554A	ORIFICE	A	2015.04.23-2018.04.22
4	2934A	RTD / SENSITIVE RTD	A	2015.04.23-2018.04.22
5	2924A	PRESSURE GAUGE	A	2015.04.23-2018.04.22

2015.04.23

한국수력원자력(주)
Korea Hydro & Nuclear Power Co., Ltd.

유자격공급자 등록증
Certificate of Registration

등록번호 (Certificate No.) : 201400495
상 호 (Company Name) : (주) 와이즈컨트롤
공장주소 (Factory Location) : 경기도 화성시 아도면 아도원로4길 5
대표자 (Chief Executive officer) : 이상훈

당기 일하는 우리 회사의 공급자관리지침에 따라 심사한 결과 표기기기기에 공급업체로 등록되었습니다.

This is to certify that according to KSDP's qualification procedure, this company has been registered as KSDP's Approved Supplier for the below items.

NO	품목 Item Code	품명 Item Description	품질 등급 Quality Class	유효기간 Authorized Period
6	222(A)	FLOW METERS	A	2015.04.23-2018.04.22
7	218(A)	SWITCHES	A	2015.04.23-2018.04.22
8	225(A)	THERMOCOUPLES	A	2015.04.23-2018.04.22

2015.04.23

한국수력원자력(주)
Korea Hydro & Nuclear Power Co., Ltd.

CERTIFICATE
The Certificate Body of (UK) Institute Service Group,
a limited liability company registered in England and Wales,
certifies that

WISE Control Inc.
2022 Daegyojeong-daero, Gyeonggi-do Yongin-si,
Gyeonggi-do, Korea

is authorized to consider and maintain a quality management system for the design, development, manufacture and sales of pressure instruments, pressure gauge accessories, flow elements and level instruments.

The scope of the registration is:

Design, development, manufacture and sales of pressure instruments, pressure gauge accessories, flow elements and level instruments.

The scope of the registration is:

Design, development, manufacture and sales of pressure instruments, pressure gauge accessories, flow elements and level instruments.

CE 0036

2015.04.23

한국가스안전공사
Korea Gas Safety Corporation

안전인증서
(주)와이즈컨트롤

경기도 수원시 기흥구 역삼로22 222

본 인증서는 제조하는 아래 제품들이 「산업안전보건법」 제34조 및 같은 법 시행령 제34조제1항에 따른 안전인증대상 제품인 것을 확인하고, 본 인증서에 따라 제조된 제품을 사용할 것을 권고합니다.

품목	형식 / 모델 / 사양	수량 / 단위	인증번호
형식 / 모델	A750 Series	110 / 240V Ex d IIC T4 Gb	12-0430-0767

발행처: 한국가스안전공사 (KGS) (제2010-08호)

인용: 1. T400 (Ex d IIC T4 Gb) 2. 용기용 0.5MPa 압력시험 후 용기용

2012.12.18

한국가스안전공사
Korea Gas Safety Corporation

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: WISE Control Inc.
8, Madogongdon-ro 4-gil, Mado-myeon
Heungseong-si, Gyeonggi-do 18542
Republic of Korea

SCOPE: Manufacture and assembly of power boilers at the above location and field sites controlled by the above location

AUTHORIZED: July 23, 2015
EXPIRES: July 23, 2018
CERTIFICATE NUMBER: 49,363

Richard R. Peterson
Vice President, Conformity Assessment

Joseph J. Peterson
Director, Conformity Assessment

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: WISE Control Inc.
8, Madogongdon-ro 4-gil, Mado-myeon
Heungseong-si, Gyeonggi-do 18542
Republic of Korea

SCOPE: Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover integrated graphics)

AUTHORIZED: July 23, 2015
EXPIRES: July 23, 2018
CERTIFICATE NUMBER: 49,362

Richard R. Peterson
Vice President, Conformity Assessment

Joseph J. Peterson
Director, Conformity Assessment

CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY: WISE Control Inc.
8, Madogongdon-ro 4-gil, Mado-myeon
Heungseong-si, Gyeonggi-do 18542
Republic of Korea

SCOPE: Fabrication and assembly of pressure piping at the above location and field sites controlled by the above location

AUTHORIZED: July 23, 2015
EXPIRES: July 23, 2018
CERTIFICATE NUMBER: 49,365

Richard R. Peterson
Vice President, Conformity Assessment

Joseph J. Peterson
Director, Conformity Assessment

Overseas Vendor Registration Status

Country	Company name	Mark	Location	Vendor ID code	Item
KUWAIT	KOC (Kuwait Oil Company)		KUWAIT	DOCUMENT# RQAN / 591 / 5748 / 2007	PG, PS, DPT, DPG, DPS, TG, TW, TC, TE, RTD = Registration FE, FT, FS, LG, LT, VC, VT, FN = Registering in progress
	KNPC (Kuwait National Pertroleum Company)		KUWAIT	277124	PG, PS, DPT, DPG, DPS, TG, TW, TC, TE, RTD = Registration Multi TC = Registering in progress
U.A.E	ADNOC		U.A.E	906504	VT, FN, LS, LG, SG, LT, FE, TT, TS, TC, TW, RTD, TG
	ADGAS		U.A.E	100194	PS, PG, ACC, TC, TW, RTD, TG, SG, LG, FE, VT, FM, GR, GD, FD
	GASCO		U.A.E	000211	TG, TC, TW, RTD, TS, TG, PG, DPG, LG, SG, LT, LS, H2S, CO detector
	TAKREER		U.A.E	905909	PG, TG, TW, TC, TW, RTD, LG, SG
	ADWEA		U.A.E	002214	FD, GD, GR, TC, RTD, TW, FT, PT, LT, TT, LG, PG, TG, DPG
KINGDOM OF SAUDI ARABIA	SABIC		KSA	204295	PG, PS, TG, TC, TS, RTD, TW, FM, LG, SG
	SEC		KSA	2004952	PG, PS, TG, TC, TS, RTD, TW, FE, LG, SG, GD
	SWCC		KSA		TG, RTD, TW, PG
BAHRAIN	EWAB		BAHRAIN		PG, PS, TG, TC, TW, TS, RTD, LG, GG, FM, VT, OP, OF, GD, FD
IRAN	NIGC		IRAN	Doc# GO.112.37720	PW, DPG, PS, TT, TS, RTD, TC, TW, TG
QATAR	QATAR PETROLEUM		QATAR	6808	PG, TG, TE, FE, LG
THAILAND	IRPC		THAILAND		PG, TG, TE
	PTT		THAILAND		PG, TG
MALAYSIA	PETRONAS		MALAYSIA	965200-P	PG, TG, TW, PS, DPT, TC, TW, DPS, RTD, TS, FE, LG, VT, FN, SG
TAIWAN	CTCI		Taiwan	SCM0006190	PG, TG, PS, TS, PT, TT, FM, OF, LG, NZ, VT, SG, RTD, TC, TW, VALVE, MULTI/SKIN TC, GAS DETECTOR, BELLOWS

Item description	
Pressure instruments	PG = Pressure Gauge PS = Pressure Switch DPT = Differential PT DPG = Differential PG ACC = Accessories PT = Pressure Transmitter DPS = Differential Pressure Switch
Temperature instruments	TG = Temperature Gauge / Thermometer TC = Thermocouple TW = Thermowell RTD = Resistance Temperature Detector TS = Temperature Switch TT = Temperature Transmitter
Flow & level instruments & sight glass	FE = Orifice Flange & Assemblies FT = Flow Transmitter FS = Flow Switch LG = Level Gauge LT = Level Transmitter VC = Venturi Cone VT = Venturi Tube FN = Flow Nozzle SG = Sight Glass
Gas instruments	FD = Fire Derector GD = Gas Detector GR = Gas Recorder

YONGIN PLANT

2022, Deogyong-daero, Giheung-gu, Yongin-si,
Gyeonggi-do, 17097, Republic of Korea
Tel. 82-31-280-5114 Fax. 82-31-283-9800
<http://www.wisecontrol.com>
PRODUCT. Pressure & Temperature instruments

PAJU PLANT

149, Hanroksan-gil, Tanhyeon-myeon, Paju-si,
Gyeonggi-do, 10858, Republic of Korea
Tel. 82-32-328-1571 Fax. 82-32-328-6530
PRODUCT. Power transmission line hardware

BUCHEON PLANT

Sosa plaza 204, 46, 392-gil, Gyeongin-ro, Sosa-gu,
Bucheon-si, Gyeonggi-do, 14693, Republic of Korea
Tel. 82-32-351-5751~53 Fax. 82-32-351-5754
PRODUCT. General Service Pressure gauge

HWASEONG PLANT

5, Madogongdan-ro 4-gil, Mado-myon, Hwaseong-si,
Gyeonggi-do, 18542, Republic of Korea
Tel. 82-31-366-9237 Fax. 82-31-366-9238
PRODUCT. Level Gauge & Flow Elements



www.wisecontrol.com