

**COMPANY**

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**HISTORY**
**2006 ~**

- 2006. 05 Participation of INTERMACH 2006 in Bangkok.
- 02 Began the development of LED type indicator for Magnetic Type Level Gauge.

**2004 ~ 2005**

- 2005. 03 Participation of MEOS 2005 Exhibition in Bahrain
- 2004. 09 Participation of MICONEX 2004 Exhibition, The 15th International Fair for Measurement, Instrumentation & Automation in China
- 06 Participation of ICA 2004, The 7th International Exhibition on Instrumentation Control & Automation Technology in Malaysia

**2001 ~ 2003**

- 2003. 11 Participated in "Measurement and Control Show 2003 Tokyo" in Japan
- 2003. 10 Development completion of The Electrode Type Level Gauge
- 2002. 10 A Concerted Action with INTRA-AUTOMATION GmbH- Germany (Technical Cooperation)
- 06 Acquisition of CE Mark Certification & Successful Renewal of ISO 9001
- 2001. 09 Participation of INTERKAMA Exhibition in Germany
- 01 Export promotion to Middle East Asia(Sole Agentship with Rezayat)

**1998 ~ 1999**

- 1999. 11 Participation of CIA 99 Exhibition in Germany
- 1998. 11 Development of Electrode Type Level Gauge for high temp. & press.
- 03 Export promotion to South-east Asia countries (Thailand, Singapore & Taiwan etc.)

**1996 ~ 1997**

- 1997. 08 Acquirement of ISO 9001
- 08 Registration as a qualified supplier at Korea Electric Power Corporation
- 06 Selection as a promising manufacturer by Industrial Bank of Korea
- 05 1) Pass of the Quality Test for Level Gauge by the government agency, Korea Machinery, Meter and petrochemical Test & Research Institute
- 2) Awarding a Prize of Korea Science & Technology Minister
- 1996. 11 Acquirement of the Certificate of Electrical Apparatus for Explosive Atmospheres for Level Switches & Transmitter by Korea Industrial Safety Corporation
- 10 Movement into new factory premise, Incheon, Korea

**1979 ~ 1991**

- 1991. 11 Registration as Member of Association of Foreign Trading Agents of Korea
- 08 Re-establishment as SAMIL INDUSTRY CO., LTD.
- 1987. 05 Starting on the manufacture for flow element items
- 1984. 10 installation with High Pressure Test equipment
- 1982. 04 First production of Bi-color Type Level Gauge

1980. 01 First production of Sight Glass

1979. 08 First production of Level gauge for high Pressure Boiler

08 Foundation of SAMIL INDUSTRY CO.

(Started as a manufacturing firm that developed & manufactured the level gauges).

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SAMIL INDUSTRY CO., LTD.  
44B-12L, #434-12, NONHYUN-DONG, NAMDONG-GU, INCHEON, KOREA  
TEL : 82-2-2618-2000~4, 82-32-819-9671~7 FAX : 82-32-819-9693~4

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## COMPANY

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## PROFILE



|| Name : SAMIL INDUSTRY CO.,LTD.

|| Head Office & Factory

: 434-12, #44B-12L, NONHYUN-DONG,  
NAMDONG-GU, INCHEON, KOREA

|| TEL : 82-2-2618-2000~4 ,  
82-32-819-9671~7

|| FAX : 82-32-819-9693~4

|| Board Member : President : Soon-mook Hong  
Exective Director : Hyung-jong Jang

|| Authorized Capital : 2,500,000,000 (won-Korean currency)

|| Annual Turnover : 15,000,000,000 (won-Korean currency)

|| Banker : Industrial Bank of Korea

|| Date of Establishment : August, 1979

|| Capacity of Factory : 30,000,000,000 (won-Korean currency)

|| Capacity of Factory Electric Power : 780Kw

|| Employees : Technician -31, Skilled - 67, Engineering Sales -9, Engineer - 8,  
Service - 5.

|| Agents : Domestic -5 Companies, Overseas -14 Companies

|| Offered The Product to : SAMSUNG, HYUNDAI, DAELIM, GS, LG, SKEC, etc.

|| Products Installed at Main Site : Iran-SOUTHPARS & ABS, Kuwait-KNPC & KOC,  
Thailand-TOC, China-LIDONG, Turkey-IZMIT,  
Libiya-BANGHAZI, etc.

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## FLOW ELEMENT

| SOP<br>150~2500(LB)                                                                    | SOR<br>150~900(LB)                                                                                                                                                 | SOB<br>150~900(LB)                                                                     | SOJ<br>300~2500(LB)                                                                    | SOF<br>150~2500(LB)                                                                     |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1<br> | 2<br>                                                                             | 3<br> | 4<br> | 5<br> |
| 1. Orifice Plate                                                                       | Suitable for universal flow conditions and the most popular primary device with its simple shape, easy manufacturing, low cost & high reliability.                 |                                                                                        |                                                                                        |                                                                                         |
| 2. Orifice plate with ring                                                             | Used for flow measurement of smaller and medium pipe size at low pressure.                                                                                         |                                                                                        |                                                                                        |                                                                                         |
| 3. Orifice plate with integral block                                                   | Used for high pressure and high temperature service, similar to holding ring type as cutted and shaped from one block of metal.                                    |                                                                                        |                                                                                        |                                                                                         |
| 4. Ring joint type orifice plate                                                       | Orifice plate easily removable and interchangeable and calibrated bore with burr free sharp edge and suitable for a fluid having high pressure & high temperature. |                                                                                        |                                                                                        |                                                                                         |
| 5. Orifice Flange Assemblies                                                           | Used in conjunction with orifice plate for flow measurement and suitable for almost all fluid conditions on primary differential device.                           |                                                                                        |                                                                                        |                                                                                         |

[Note] 1) All the above items are available in C.S, SS, Teflon, PVC as standards & other materials are available on request by customers.

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| SMO<br>150~2500(LB)                                                                      | SFN<br>150~2500(LB)                                                                                                                                              | SVT<br>150~2500(LB)                                                                       |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 6<br> | 7<br>                                                                         | 8<br> |
| 6. Multi type Restriction Orifice                                                        | Used for reducing fluid pressure & for eliminating problems by sound pressure level or cavitation.                                                               |                                                                                           |
| 7 Flow Nozzle                                                                            | Suitable for determining the flow rate of fluid flowing at high pressure and temperature and is permit approximately 65% greater capacity than an orifice plate. |                                                                                           |
| 8. Venturi Tube                                                                          | Used for measurement of flow when is important to keep the net permanent pressure loss at a minimum. Also, this is noted for long life span.                     |                                                                                           |

[Note] 1) All the above items are available in C.S, SS as standards & other materials are available on request by customers.

2) Flow nozzle is classified to butt-welding & flange type mainly and other types are available on request by customers.

| SIO<br>150 ~ 600(LB)                                                                   | STS<br>150~600(LB)<br>(For Line conn.)                                                  | Average Pitot Tube<br>(Itabar)                                                                                                                                                                                                                                                                                     | STV<br>150~600(LB)                                                                       |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 9<br> | 10<br> | 11<br>                                                                                                                                                                                                                            | 12<br> |
| 9. Integral Orifice                                                                    |                                                                                         | Suitable for measuring fluid of small bore with its high accuracy & used in combination with differential pressure transmitter, with easy installation as well as simple maintenance.                                                                                                                              |                                                                                          |
| 10. Taper Seg Tube                                                                     |                                                                                         | Suitable for a wide reynolds range of flow measurement, especially measuring clean as well as non-clean fluids such as slurries & having shorter length of straight pipe for upstream & downstream compared to other fluid meter using differential pressure flow meter with excellent repeatability and accuracy. |                                                                                          |
| 11. Averaging Pitot tube                                                               |                                                                                         | Suitable for measuring fluid of small bore with its high accuracy & high flow measurement easy & simple installation due to its insertion into pipeline & economic energy cost due to its less pressure loss rather than orifices.                                                                                 |                                                                                          |
| 12. Tapless Venturi                                                                    |                                                                                         | Used for measuring slurry fluid, solidified liquids at low temp. or liquid vaporizing at high temperature & no pressure taps for measuring differential pressure.                                                                                                                                                  |                                                                                          |

- [Note] 1) All the above items are available in C.S, SS as standards & other materials available on request by customers.  
 2) Line Connection can be available on request by customers even though 3/4± is SAM IL's standard size in Integral Orifice.  
 3) Taper Seg Tube can be manufacture according to end user's specification.

| SCM<br>150~600(LB)                                                                        |  |                                                                                                                                                     |  |
|-------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 13<br> |  |                                                                                                                                                     |  |
| 13. Cone Venturi Flowmeter                                                                |  | The total new concept of flow measurement by Differential pressure theory and it eliminates all of weak points by orifice plate & Vortex flowmeter. |  |