



## **CONFERENCE PAPERS**

### **Purdue Compressor Technology Conference, W.Lafayette, USA 2000**

- Modeling, measurements and analysis of gas-flow generated noise from twin-screw compressors.

Purdue papers can be downloaded from:

<http://docs.lib.purdue.edu/do/search/?q=sangfors&query=Search&start=0&context=2272244&facet=&facet=&facet=&facet=&facet=&facet=>

### **ImechE Conference on Compressors and their Systems, London, UK 1999**

- Computer simulation of gas-flow generated noise from twin-screw compressor.

### **VDI-Tagungen "Schraubenmaschinen'98", Dortmund University, Germany 1998**

- Numerical calculation of effects from injection of different liquids in twin screw compressors.

### **Purdue Compressor Technology Conference, W.Lafayette, USA 1998**

- Computer simulation of effects from injection of different liquids in screw compressors.

### **Ljungstrom International Technical Conference**

#### **Washington, D.C. , USA 1992**

- Some effects of heat and mass transfer in Ljungstrom rotary heat exchangers.
- Comparison of sootblowing data from different licensees.
- Optimization of air sootblowing of heat transfer elements in Ljungstrom rotary heat exchangers.
- Optimization of steam sootblowing of heat transfer elements in Ljungstrom rotary heat exchangers.

### **Ljungstrom Gas-Gas Heater Symposium**

#### **Trebic, Czechoslovakia, May 31, 1990**

- Notes on condensation, mass transfer and deposit build-up in Ljungstrom rotary heat exchangers. Comparison with other types of heat exchangers.

### **Alfa-Laval Group Conference in Fluid Mechanics**

#### **Nova Park Hotel, Huddinge, Sweden, February 23-24, 1989**

- Flow distribution in Ljungström rotary heat exchangers.
- Computer simulation of sootblowing.

### **Ljungstrom International Technical Conference**

#### **Glasgow, Scotland, UK 1989**

- Notes on condensation, mass transfer and deposit build-up in Ljungstrom rotary heat exchangers.
- Some aspects of sootblowing of heat transfer elements.

### **Ljungstrom International Technical Conference**

#### **Heidelberg, Germany 1987**

- Calculation of temperatures in catalyst and Ljungstroem Gas Heater during start-up of a tail-end installation.
- Computer simulation of sootblowing.

### **Ljungstrom International Technical Conference**

#### **Tokyo, Japan 1984**

- Survey of computer simulation possibilities at SRM for thermal design and analysis of the Ljungstrom Air Preheater resp. Gas Heater.
- Sulphuric acid behaviour in a Ljungstrom Air Preheater resp. Gas Heater.

#### **Purdue Compressor Technology Conference, W.Lafayette, USA 1984**

- Computer simulation of the oil-injected screw compressor.

#### **Purdue Compressor Technology Conference, W.Lafayette, USA 1982**

- Analytical modeling of helical screw machine for analysis and performance prediction.  
(Also available in the Chinese language)

### **Ljungstrom Air Preheater Technical Conference**

#### **Grand Island, Niagara Falls, New York, USA 1978**

- Flow distribution in air preheater ducts.
- Comments regarding rotor cracks and deformations.
- Computer program for time dependent heating and cooling of Air Preheaters.
- Computer program for trisector Air Preheaters.

### **The 1976 Ljungstrom Air Preheater Conference**

#### **Stockholm, Sweden 1976**

- Investigation of flow at Preheater inlets.
- Leakage over circumferential and axial seals in regenerative Air Preheaters.
- Calculation of Air Preheater performance.

### **Ljungstrom Air Preheater Conference**

#### **Heidelberg, Germany 1975**

- Laboratory tests of the effect of clearances between baskets and rotor walls respectively baskets and elements.
- Formation of sulphuric acid droplets in Air Preheaters.

### **Ljungstrom Air Preheater Technical Conference**

#### **Wellsville, New York, USA 1973**

- Sulphuric acid behaviour in Air Preheaters.
- Investigation of factors influencing the calculation of the Ljungstrom Air Preheater.

## **PUBLICATIONS**

### **Mekanisten,**

#### **Svenska Mekanisters Riksförening 2000:2**

- Beräkning och analys av effekter från insprutning av olika slags vätskor i skruvkompressorer.

### **Mekanisten,**

#### **Svenska Mekanisters Riksförening 2002:2**

- Advances in Engine Combustion.

### **Mekanisten,**

#### **Svenska Mekanisters Riksförening 2002:3**

- HCCI-motorn – En framtida lösning för effektivare och renare förbränningsmotorer?

### **Mekanisten,**

#### **Svenska Mekanisters Riksförening 2002:4**

- Bränslecellen – framtidens kraftproducent?

### **Mekanisten, Translations from US language to Swedish**

#### **Svenska Mekanisters Riksförening 2001:2, 2001:3, 2001:4, 2002:1, 2002:2, 2002:3, 2002:4**

- ASME/SMR – Teknikinformation



## **PATENTS**

Method for cleaning of flue gas.

Method for regenerative heat exchange.

Grating structures for homogenising fluids.

Process for absorbing sulphuric acid in flue gases.