

POWER AIR *group*

PAS

Power Air System Co., Ltd.

Since: January 1991



SULLAIR

SCREW AIR COMPRESSORS



F.ELLIOTT

CENTRIFUGAL AIR COMPRESSORS

CAP

C. A. Parts Co., Ltd.

Since: January 1991



HIROSS

COMPRESSED AIR TREATMENT

PAE

Power Air Engineering Co., Ltd.

Since: August 1991



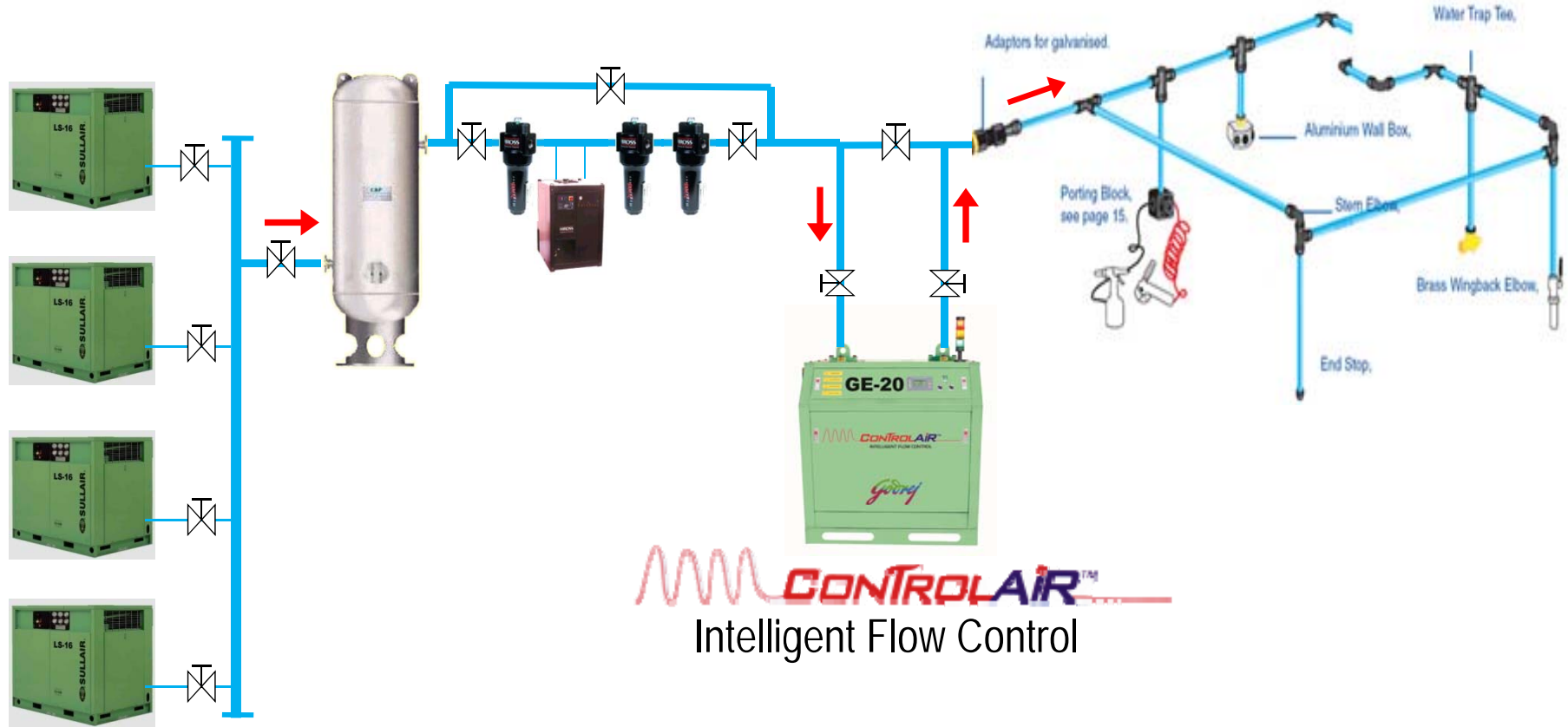
CONTROLAIR
Intelligent Compressors Control

CONTROLAIR
Intelligent Flow Control

legris
transair

ENERGY MANAGEMENT SOLUTIONS

Compressed Air Specialist

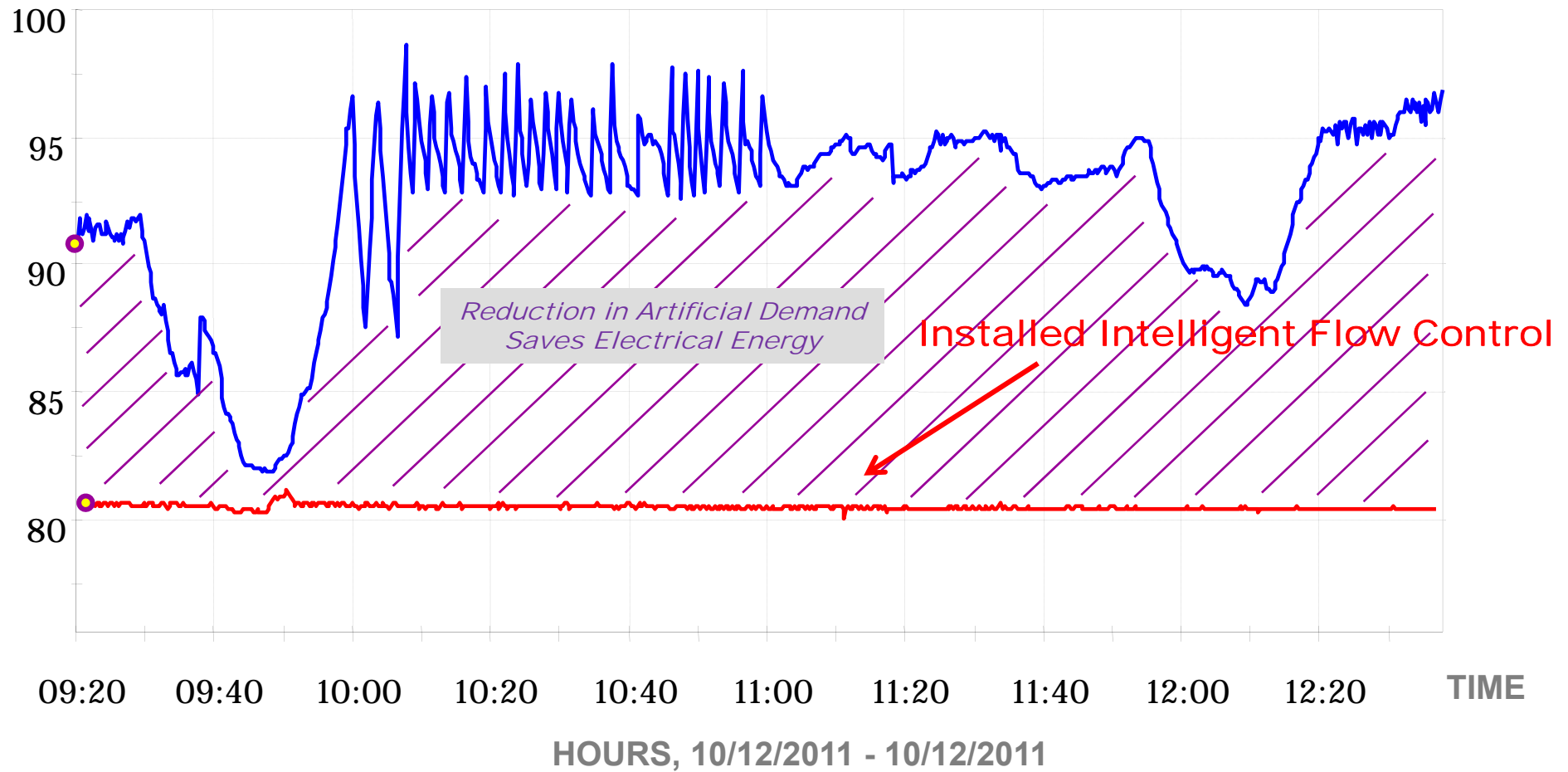


CONTROLAIRTM
Intelligent Flow Control

Compressed Air Systems



PSI *Reduced Artificial Demand gives constant pressure*





Project : Thai Honda Manufacturing Co., Ltd.

Compressed Air System - Data & Savings Estimate Sheet

Power Air System Co. Ltd.
 24/51 Moo 6 Bangna Trad Road Km 23
 Bangsaothong Samutprakarn Thailand
 Tel : 0-2740-0241-8
 Fax : 0-2740-0240

Customer:	Thai Honda Manufacturing Co., Ltd.	Date:	8-Oct-2012
Address:	Lat Krabang Industrial Estate		
Tel:			
Fax:			

Compressor Details

Compressor Type	Make	Model	kW	Work Hrs	Qty.	FAD	Total scfm	load	unload	kWh
Power House 2	Kobelco	DSP200	200	24	6	1,200	7,200	1.00	0.00	30,528
Power House 1	Kobelco	XG3900	200	24	1	1,200	1,200	1.00	0.00	5,088
Power House 1	Kobelco	KST220	220	24	1	1,475	1,475	1.00	0.00	5,597
Power House 1	Hitachi	DSP110	110	24	1	600	600	0.60	0.40	2,071
Power House 1	Hitachi	DSP160	160	24	1	1,060	1,060	1.00	0.00	4,070
Power House-Oil Free	IHI	TURBO	290	24	2	1,940	3,880	1.00	0.00	14,755
Total					12		8,400			62,109

System Details

Electricity Rate	Bt.2.80 / kWh	IFC INLET	69	psig	Oil Flood	IFC SET PR	60	psig
Working Hrs. in a Day	24 hrs.		4.8	Bar			4.1	Bar
Working Days in a Year	365 days	UPC INLET	87	psig	Oil Free	IFC SET PR	80	psig
			6.0	Bar			5.5	Bar

Energy Savings Estimate Details

	Proposed	Guaranteed
% Electrical Energy Savings Estimated	5.0%	3.0%
Estimated Savings in terms of kWh/ Day	3,105	
Estimated Savings in terms of Bt. / Day	8,695	
Total Annual Savings in Bt.	3,173,781	

Project Cost Details

ControlAir IFC GE200, 10,000 scfm	1 unit	Oil Flood
ControlAir UPC 45, 2250 scfm	1 unit	Oil Free
Piping Installation Cost	Included	
Total project Cost	6,000,000 Bt	
Project Payback	Year	Months
	1.8	20



Our Approach

Enquiry

FIELD DATA SHEET

Company & Branch Name:
 Address:
 City: State: Zip:
 Telephone: Fax:
 E-mail:

Customer Name:
 Installation:

Compressor Model	Qty	Serial	Tag	Year	Notes

Is your Compressor an System-Controller or Non-system?

Description:

Product Manufacturer	Model	Year	Serial Number	Location	File Name

Describe Point of Use of compressed air:

Compressed Air System: Pressure Switch Mechanical Governor In-line Modulation VFD

Controlled by: PLC Load Relay JOC Automatic PLC etc.

Control Type: On Off Load Relay etc.

Working Hours (Day): Yes No Shiftwork 24/7

Master Working Type: Manual Drum Control Standby Automatic Remote Control Off Start Data

Main Voltage (V): Daily Compressor power consumption: kWh/day

Working Days (Year): Daily Compressor power consumption: kWh/day

Main Header Size: Length:

Receiver Capacity:

Dryer: Yes No Type: Refrigerant/Desiccant/Regenerative/Pressure-Switch/None

Make: Capacity: kWh Automatic Dryer: Yes No

Do you have any specific problem at your compressed air system, that needs a solution?
 Please enter a single line electronic message of your Compressor air system along with this data sheet.

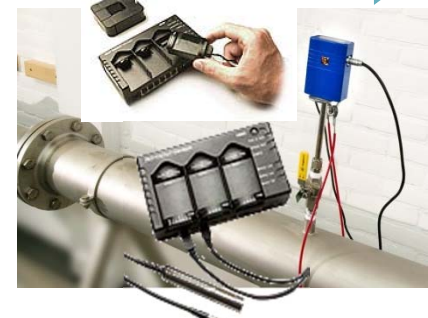
Proposed by: Date:

Form No. FCOMAIR06

Presentation



Data Logging



Prove Savings



Proposal

CONTROL AIR DPC SYSTEMS

The ControlAIR DPC consists of 1 flow control module, along with the associated valve logic, both mounted into a welded steel cabinet with keypad and valve act connections. An automatic system control is included, offering a programmable, efficient, pressure or electric control power. Pressure or electric control power is generated as a by-product of normal air flow through the system at all single operations.

A programmable pressure transducer, automatic control, that is connected to the DPC for monitoring. The DPC includes an automatic control system, that is connected to the control system for the automatic control of the system. The system is designed to be able to monitor the pressure of the system at all times, and to adjust the pressure of the system to the set point, as required. The system is designed to be able to monitor the pressure of the system at all times, and to adjust the pressure of the system to the set point, as required.

Note: A 10 bar pressure dryer along with moisture separator and oil mist filter is provided along with the DPC to provide maximum safety for the control system of the DPC with this programme. The supply of pressure air which is used to operate the DPC is not limited by the flow control system.

The ControlAIR DPC is a programmable pressure control system. The flow control system is designed to be able to monitor the pressure of the system at all times, and to adjust the pressure of the system to the set point, as required.

The significant features offered by the Pressure program are:

- The Pressure program controls the function according to a programmed pressure schedule. This enables the control to make the correct pressure at programmed time intervals during power valve switch. The pressure can also be set to maintain setting but it is applicable when the pressure is raised during power change, when flow is normally 0.2 different program can be scheduled in the Pressure program.
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Glory

Data Analysis

