



Consumer and
Corporate Affairs

Consommation et
corporations

SPG-232

Consumer
Standards
Directorate

Direction
générale
des normes

OTTAWA, March 24, 1976

Your file Votre référence

Our file Notre référence

GL 1141-57/0

SPECIAL APPROVAL

Granted to: Transport Canada,
 Vancouver International Airport,
 Vancouver, B.C.
 V7B 1T6

Attention: Mr. B.G. Bartlett,
 Manager, Maintenance Engineering.

Subject: Hot Water BTU Metering System for CARA
 Catering Division

Special Approval has been granted by the Legal Metrology and Laboratory Services Branch to Transport Canada, Vancouver International Airport for the installation of one 2" orifice meter system for BTU measurement of domestic hot water.

Details of the meter and auxiliary attachments are as follows:

1. Orifice Meter

Manufacturer	American Meter Company
Nominal pipe size	2"
Inside pipe diameter	2.067"
Orifice diameter	1.0577" <i>(1.0577)</i>
Material, plate	Stainless steel - 316
Pressure taps	Flange
Maximum flow	1764 GPH

2. Auxiliary Attachments

Temperature Transducers (2 only)	
Manufacturer	Johnson Control
Model number	T-1220
Temperature span	200°F
Temperature range	40°F to 240°F

Temperature Differential Transmitter

Manufacturer Bristol Pneumatic
Model number GE-608MA-18G
Serial number 67-C-1138
Differential range 0-59.35" W.C.
Output signal 3-15 psig
Maximum working pressure 1500 psig
Element material Stainless steel - 316

Differential Pressure Transmitter

Manufacturer Bristol Pneumatic
Model number GE-608M2A-18G
Serial number 67-C-1186
Differential range 0-50" W.C.
Output signal 3-15 psig
Maximum working pressure 1500 psig
Element material Stainless steel - 316

Pneumatic Computer

Manufacturer Bristol Pneumatic
Model number 9T15M
Input signal (two) 3-15 psig
Output signal 3-15 psig
Function Multiplying two input signals

Metagraphic Integrator Transmitter

Manufacturer Bristol Pneumatic
Model number AID614M
Input signal 3-15 psig
Output signal Electric impulse

Metagraphic Remote Counter

Manufacturer Bristol Pneumatic
Model number M4D615
Input signal Electric impulse
Output signal BTU x 100

The installation is located at Vancouver International Airport, Vancouver, B.C.



D.L. Smith,
Chief,
Electricity & Gas Division.

c.c. W.M. Pura
D/I, E&G Vancouver.