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THE VALVE MANUFACTURERS ASSOCIATION AND THE FRIENDS OF THE CRAWFORD LIBRARY PRESENT THE

VALVE **BASICS**

Seminar & Exhibits

June 6-7, 2011

MacEwan Convention & Event Centre
University of Calgary
Calgary, Alberta CANADA



Valves & Actuators 101

Two full-days of education to jump-start your career or expand your knowledge of industrial valves, actuators and controls

VALVE **BASICS** Seminar & Exhibits

DAY 1

REGISTER ONLINE AT VMA.ORG>EVENTS

Monday, June 6, 2011

7:00–8:00 am **Registration / Continental Breakfast**

8:00–8:10 am **Welcome to Valves & Actuators 101**

Greg Johnson, Chairman, VMA Education & Training Committee

8:10–9:35 am **LESSON 1: Introduction to the Industry**
LESSON 2: Multi-Turn Valves

PRESENTER: Greg Johnson, President, United Valve, Houston, TX

In Lesson 1, we begin with a broad overview of the valve industry, the major valve and actuator types, and various end-user applications. This presentation includes valve standards, basic piping information, pressure ratings and classes, as well as application issues that are critical to effective valve specification and usage. The stage is set for more detailed discussions on all the major valve types in Lessons 2–5, including gate, globe, check, ball, plug, butterfly and pressure relief, to give attendees valuable knowledge that can be applied in their daily PVF work.

9:35–9:50 am **Beverage Break**

9:50–11:50 am **LESSON 3: Check Valves**

PRESENTER: Arie Bregman, General Manager, DFT Inc., Exton, PA

LESSON 4: Quarter-turn Valves

PRESENTER: Leon Brooks, Director International Sales, Asia Pacific/Latin America–Distributed Valves, Cameron Valves & Measurement, Houston, TX

We progress up the valve chain from the relatively simple construction of multi-turn valves covered in Lesson 2, to the unique qualities of check valves, and then move on to the more complex quarter-turn valve types.

11:50 am–
1:20 pm

Lunch / Exhibits open

Valves, actuators, controls and other products used in the flow control chain will be represented in our tabletop exhibits, providing attendees with the opportunity to ask exhibitors about the products and services they provide.

1:20–2:50 pm

LESSON 5: Pressure Relief Valves

PRESENTER: Dan Angelino, Director of Sales, Farris Engineering (a div. of CWFC), Brecksville, OH

LESSON 6: Actuators

PRESENTER: Ed Holtgraver, CEO, QTRCO, Inc., Tomball, TX (pneumatic & hydraulic) and Paul Souza, Sr., Quality Manager, AUMA Actuators, Inc., Canonsburg, PA (electric)

After hearing from our PRV expert about how pressure relief valves work and their critical role in plant safety, we move on to actuators. Our presenters discuss the various actions, such as linear, rotary, etc., which are used to operate the valve types discussed in the earlier lessons. They describe the actuator types, such as electric actuators and associated controls, pneumatic, hydraulic, etc., which provide these actions. The lesson stops short of recommending the optimum actuator selection for a user's application, but provides sufficient information to enable users to be aware of their options and to have a firm understanding of how each actuator type may apply to their specific needs.

2:50–3:20 pm

Beverage Break / Exhibits open

3:20–4:40 pm

LESSON 6: Actuators (continued)

4:40–5:00 pm

Questions and Day 1 wrap-up

5:00–6:00 pm

Reception / Exhibits open

Monday-only attendees receive Certificates of Completion

DAY 2

REGISTER ONLINE AT VMA.ORG>EVENTS

Tuesday, June 7, 2011

- 7:15–8:00 am **Registration / Continental Breakfast**
- 8:00–8:10 am **Recap from Day 1 and explanation of Day 2 structure**
- 8:10–9:40 am **LESSON 7: Control Valves & Systems**
PRESENTER: Keith Chapman, Central Region Manager, Samson Controls, Inc., Kansas City, KS
- In our lesson on Control Valves & Systems, the presenter defines control valves and explains what they do. Then, he describes typical control valve components, including variations and types. The discussion will briefly touch on linear valves, actuators and positioners, as well as sizing and control valve diagnostics. He also discusses wiring practices and digital bus communications as they relate to control valves and control systems.
- 9:40–9:55 am **Beverage break**
- 9:55 am–12 noon **LESSON 8: Hands-on Instruction at ‘The Valve Petting Zoo’**
- We divide attendees into seven groups, with each group having an opportunity to visit tables where the following product categories will be displayed: Multi-turn, Check, Quarter-turn, Pressure Relief, Actuators–Pneumatic and Hydraulic; Actuators–Electric; and Control Valves. Our industry experts will be on hand to point out the various components of these products and demonstrate how they work. Attendees are encouraged to pick up and examine the valves and actuators, and ask questions in a small group setting—all designed to help clarify what has been learned.
- 12:00–1:00 pm **Lunch**

- 1:00–2:30 pm **LESSON 9: Choosing Valves, Actuators and Controls in Real-Life Applications**
- It's time to put what has been learned into practice. After an introduction to engineering drawings, symbols and other important information about specifying flow control systems, our industry experts invite attendees to help determine which products are suitable in a variety of sample applications. All of our instructors join in this interactive session, moderated by Greg Johnson, chairman of VMA's Education & Training Committee.
- 2:30–2:45 pm **Beverage break**
- 2:45–4:00 pm **LESSON 9: Choosing Valves, Actuators and Controls in Real-Life Applications (conclusion)**
- 4:00 pm **Two-day and Tuesday-only attendees awarded Certificates of Completion**

Here's what past attendees have said about Valve Basics seminars:

“They just don't teach you this kind of information in school... I learned so much!”

“For an entry-level engineer, this has been a good and informative session...”

“Excellent presentation! I would insist others [in my company] do this.”

VALVE **BASICS** Seminar & Exhibits

INFORMATION

REGISTER ONLINE AT [VMA.ORG>EVENTS](http://vma.org/events)

CONTINUING EDUCATION UNITS

Attendees completing the two-day Valves & Actuators 101 course will receive 15 hours of continuing education (equal to 1.5 continuing education units) as issued by the Valve Manufacturers Association. Certificates of Completion will be given out to Monday-only attendees during the early evening reception between 5:00 and 6:00 pm on Monday. Two-day and Tuesday-only attendees will receive their certificates at the end of the seminar (4:00 pm) on Tuesday.

CANCELLATION POLICY

Full refund on registration cancellations received before May 6, 2011; 75% refund on cancellations received by May 13, 2011. Due to hotel and other meeting guarantees, no refunds thereafter. Substitutions are accepted anytime.

ONLINE REGISTRATION

Attendees are strongly encouraged to register for this event online at [VMA.org/Events/Valve Basics Seminar](http://VMA.org/Events/Valve_Basics_Seminar).

FACSIMILE

If you are unable to register online (preferred), you may fax your completed registration form (with credit card information) to Angela Hingston-Oliver at 202.296.0378. (Credit card registration payments will show up on international customer invoices in U.S. dollars.) If paying by check, mail to: Angela Hingston-Oliver, Valve Manufacturers Association, 1050 17th Street, NW, Suite 280, Washington DC 20036.

QUESTIONS

Contact VMA Director of Education Judy Tibbs (jtibbs@vma.org or 540.785.8901) for program information, and contact VMA Meetings Manager Angela Hingston-Oliver (ahingstonoliver@vma.org or 202.331.8105 x312) for questions about registration.

HOTEL INFORMATION

VMA has negotiated a rate of \$130 single/double per night + taxes at the Hotel Alma for a Euro-style standard room. The hotel is located on the campus of the University of Calgary at 169 University Gate NW, Calgary, Alberta T2N 1N4. Also, a limited number of economical 2-bedroom summer apartments are available in the Alma Residence for \$125 per night + taxes (\$10 each additional for 3rd and 4th person sharing). For complete details on accommodations, please go to: http://www.vma.org/resource/resmgr/2011_basics_calgary/hotel_info_calgary_2011.pdf

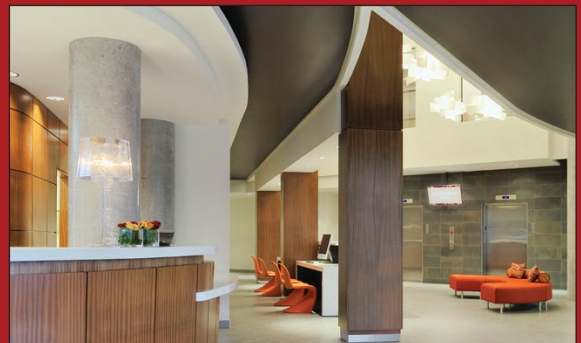
RESERVATIONS: Call the Hotel Alma at 403.220.2588 (fax: 403.284.4184).

Please refer to the VMA Valve Basics Seminar when reserving your room.

CUT-OFF FOR SPECIAL RATE: Fri., May 6

EMAIL: stay@hotelalma.ca

WEBSITE: www.hotelalma.ca



INTERESTED IN EXHIBITING?

Are you a U.S. or Canadian valve, actuator or controls manufacturer; a U.S. or Canadian supplier to the industry; or an OEM-authorized service and repair facility? If so, you are likely eligible to exhibit at the Valve Basics Seminar & Exhibits.

Find out more about our cost-effective tabletop display:

- Review the Exhibitor Information Kit at: http://www.vma.org/resource/resmgr/2011_basics_calgary/exhibitor_kit_calgary_2011.pdf
- Contact Judy Tibbs at 540.785.8901 or jtibbs@vma.org.

NOTE: Distributors may not exhibit except under the banner of the company whose products they sell.

Register by March 25 and save on the cost of your exhibit.

Register early! We only have 25 exhibitor slots available and previous events have sold out!

VALVE BASICS

Seminar & Exhibits

REGISTRATION

Calgary, Alberta, Canada | Monday, June 6 to Tuesday June 7, 2011

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CHOOSE ONE:

DAYS 1 & 2

- \$605** thru March 25 (then, \$635)
Registration for **BOTH Mon., June 6 and Tues., June 7: first registrant**
- \$575** thru March 25 (then, \$605)
Registration for **BOTH Mon., June 6 and Tues., June 7: each additional person from same company**

DAY 1 ONLY

- \$325** thru March 25 (then, \$345)
Registration for **Mon., June 6 ONLY: first registrant**
- \$305** thru March 25 (then, \$325)
Registration for **Mon., June 6 ONLY: each additional person from same company**

DAY 2 ONLY

- \$305** thru March 25 (then, \$325)
Registration for **Tues., June 7 ONLY: first registrant**
- \$285** thru March 25 (then, \$305)
Registration for **Tues., June 7 ONLY: each additional person from same company**

Each day includes continental breakfast, lunch and beverage breaks; an early evening reception is also included for those attending on Monday. All registrants above receive printed seminar materials.

- \$75 Exhibit hall entry** – **Mon., June 6 ONLY** (includes lunch, beverage break and afternoon reception; does not include educational sessions or materials)

PLEASE FILL OUT A SEPARATE FORM FOR EACH ATTENDEE.

NAME

NICKNAME FOR BADGE

TITLE

COMPANY

E-MAIL

ADDRESS

CITY

STATE/PROVINCE

ZIP/POSTAL CODE

PHONE

FAX

Choose check or charge:

- Charge:** Complete and fax to 202.296.0378, or scan and send as attachment to ahingstonoliver@vma.org
- VISA MasterCard Discover AmEx

Name (exactly as printed on card)

Billing address (if different than address on left)

Card No.

Exp. Date

3- or 4-digit code

- Enclosed is a check in the amount of:**

\$ _____ representing _____ registrations

Please make check payable to VMA, referencing the Valve Basics Seminar & Exhibition, and mail this form and check to: Angela Hingston-Oliver, Meetings Manager, Valve Manufacturers Association, 1050 17th St., NW, Suite 280, Washington DC 20036

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Date

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