

UNSTOPPABLE

The New Knovel

Helping engineers build foundational knowledge
and empowering data-driven problem solving.

Faster Answers

Redesigned interface that allows for faster discovery of answers and insights from technical reference content.

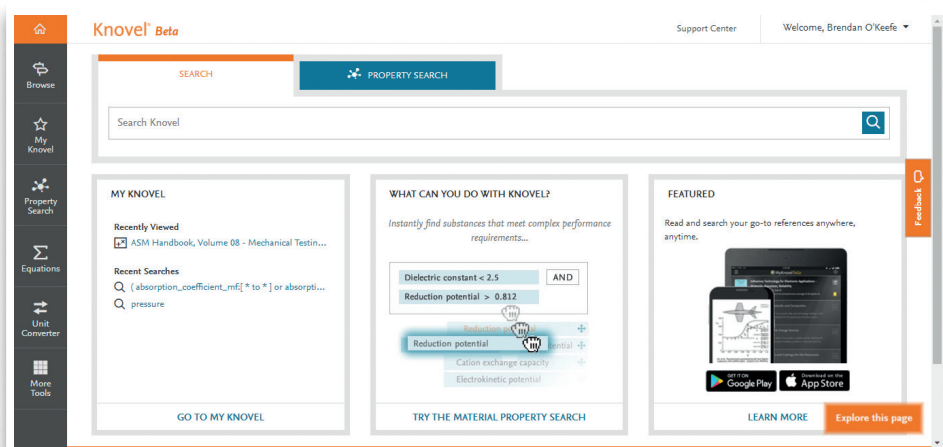
More Relevant Answers

More prominence and visibility to data discovery capabilities that provide more relevant data.

Faster path to results through new search capabilities that efficiently narrow broad searches into targeted results.

Tailored Experience

Improved ability to tailor your experience through My Knovel.



Helping Engineers Answer Questions and Solve Problems Faster

Situation

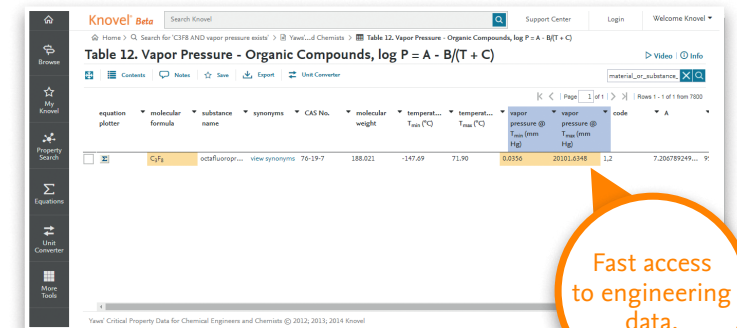
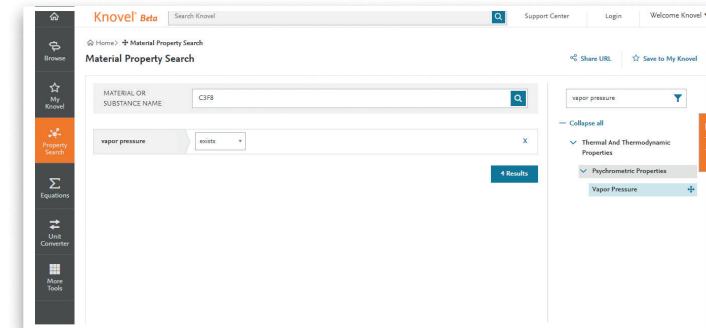
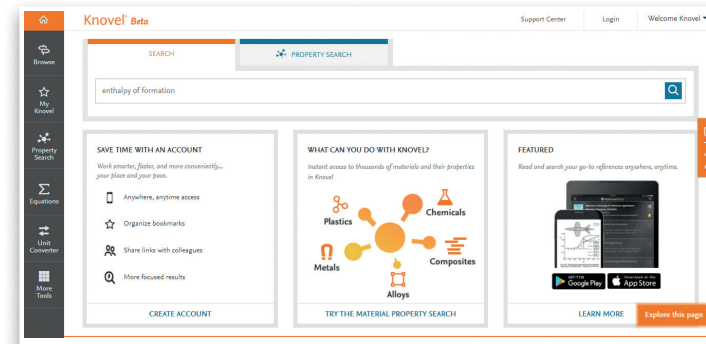
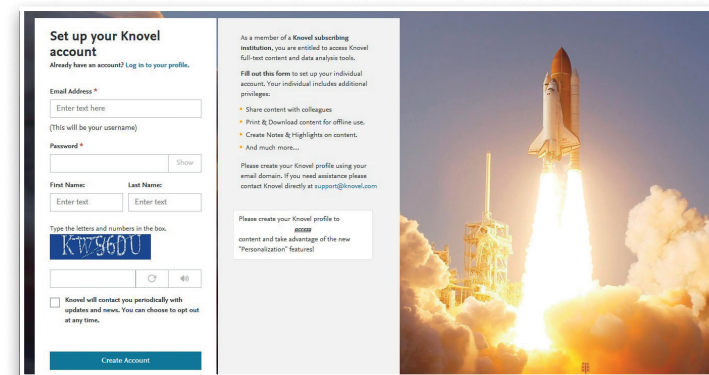
Three pressure tanks rated for 300 PSI situated outdoors are exposed to the elements. A new process requires the pressure vessels to handle octafluoropropane (C_3F_8).

Challenge

Calculate the vapor pressure at the most extreme temperatures that the tank would endure.

Solution

Use Knovel to find the answer.

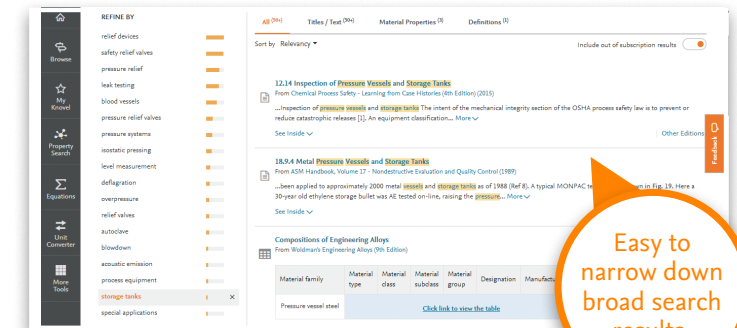
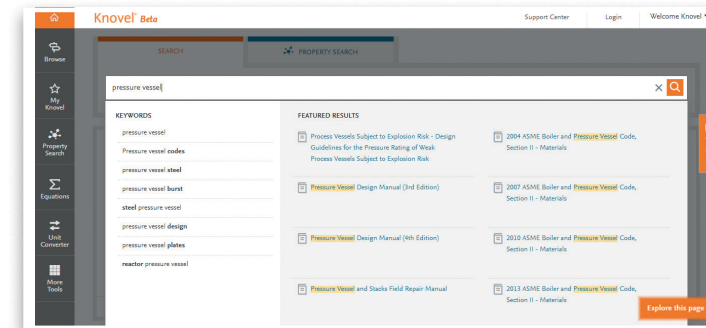
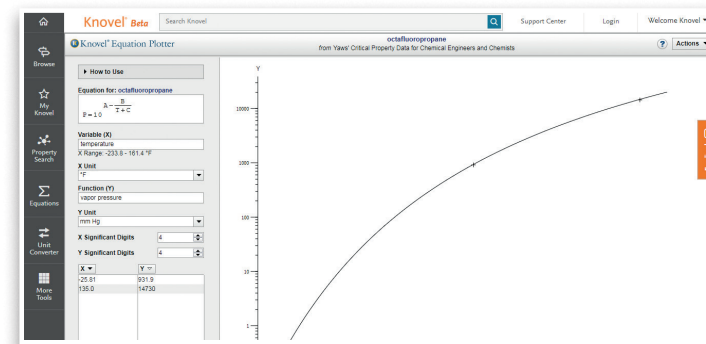
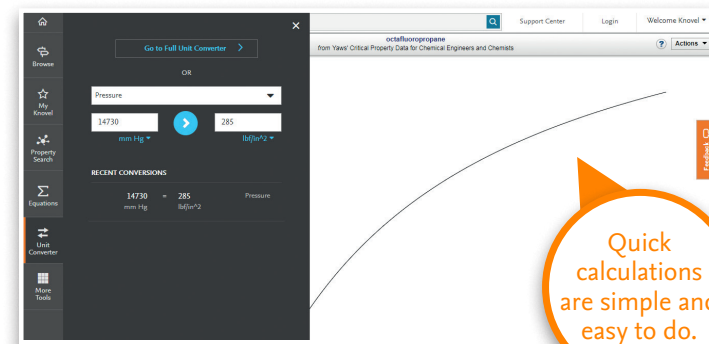


- Easily register for an account to take advantage of personalization capabilities.
- Only four items are required: First name, Last name, Email, and Password.

- Redesigned homepage brings more prominence to Knovel's deep problem solving capabilities.
- More accessibility to data-driven insights, like calculating vapor pressure.

- Using the persistent left-hand toolbar to access Property Search, the engineer can efficiently narrow down data-driven results related to C_3F_8 and vapor pressure.

- After finding the results required in an interactive table, the engineer can then perform calculations by opening a material property graph.

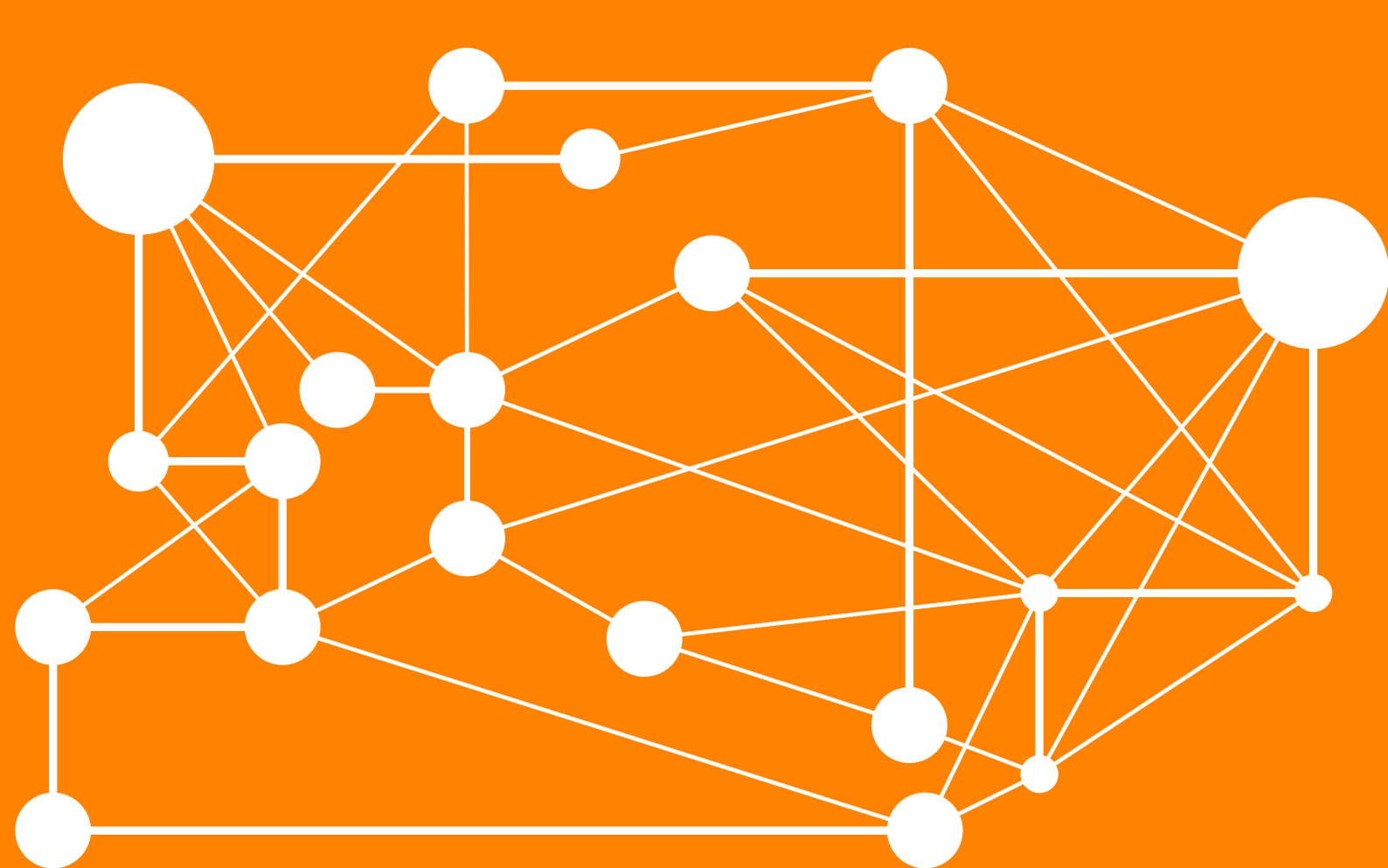


- Before conducting the calculation, the engineer can quickly convert to the values needed by using the unit converter without ever leaving the interactive graph.

- After the engineer is finished with the calculations, he or she can save the information to My Knovel and share with colleagues.

- If the engineer then simply wants to refresh his or her memory on pressure vessels, a text-based search can be performed.
- Knovel autosuggests search terms and results that may be relevant.

- To narrow down the results, the engineer can refine the search by using the "Refine by" feature.
- By selecting "storage tanks", the engineer narrows the results to approximately 50 relevant items.
- He or she can then further investigate this topic and save results to My Knovel.



Knovel

Knovel is an engineering decision-support solution enabling engineers to solve problems faster. With powerful search and interactive analytical tools, engineers can confidently find answers to technical questions through best practice insights, validated equations and materials and substances data from more than 120 providers. For more than 15 years, Knovel has helped thousands of engineers and researchers from leading companies and institutions around the world enhance research and productivity, achieve operational excellence, reduce costs and time to market and build expertise.

LEARN MORE

To request information or a product demonstration, please contact us at www.elsevier.com/solutions/knovel-engineering-information/contact-sales

Visit www.elsevier.com/rd-solutions or contact your nearest Elsevier office.

ASIA AND AUSTRALIA
Tel: + 65 6349 0222

JAPAN
Tel: + 81 3 5561 5034

KOREA AND TAIWAN
Tel: +82 2 6714 3000

EUROPE, MIDDLE EAST AND AFRICA
Tel: +31 20 485 3767

NORTH AMERICA, CENTRAL AMERICA AND CANADA
Tel: +1 888 615 4500

SOUTH AMERICA
Tel: +55 21 3970 9300