



PipingDesignCentral <pipingsigner@gmail.com>

February 2020 SPED Update

1 message

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Society of Piping Engineers and Designers February 2020 SPED Update Newsletter

Hello again SPED members and friends of SPED!

New Members and Renewals

Mahmoud Abdallah
Patti Hardesty
Alaa Itamy
Carol Pauly
Adam Hawley
John Guppy
Lisa Wang
Jeremy Haglund
Lee Slotto
Cory Iseminger
Mathew Schmidt
Shane Maher
Ahmed Abdelsalam Elbagary
Mohamed Mahmoud Mokla
Amirhossein Kashi
Helen Qin
Ahmed Mohamed Bassam Moaz
Robert Anderson

Filiberto Hinojosa
John Morrison
Mustafa Salah-Eldin
Samantha Hamilton
Carla Cardosa Scaldeferri

PPD Exams

Bill Bailey
Khaled El-Gohary
Mohamed Ayman Awad
Mahoud Mohamed Sami
Brenda Cardanas

PPD Certification Achieved

Jon Carper, L2
Johnny Dernulc, L1
Ivan Fernandez, L4

New PBC and PPL Students

Kristi Haines
Shane Maher
Lisa Wang

Gaskets and Fibreglass Flanges

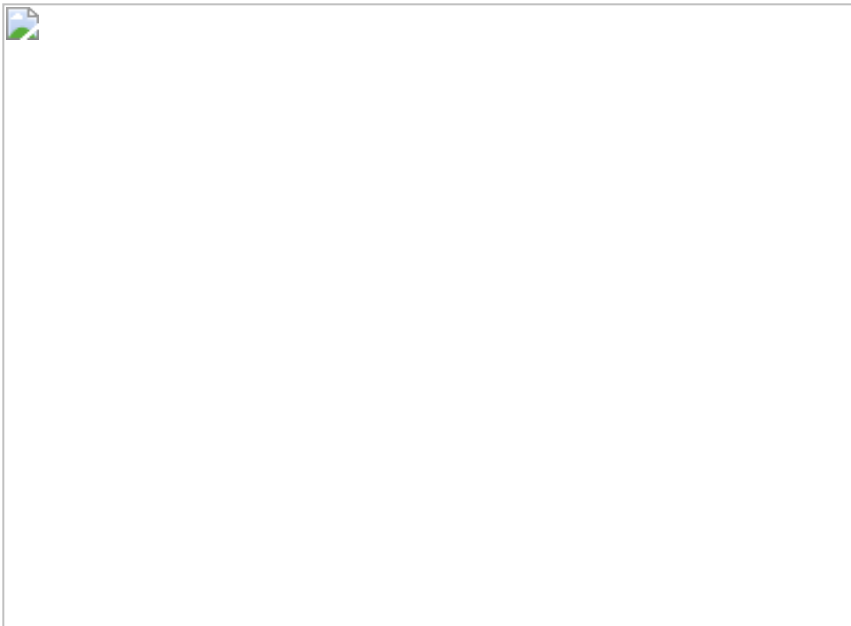
How to Connect

Whenever it is necessary to mate FRP composite flanges with raised face steel flanges, steel butterfly or check valves having partial liner facings, VanStone hub flanges, wafer valves, lined pipe, and other

equipment flanges which do not have a full flat flanged face, then special installation considerations and actions are necessary. Where possible, always order those valves and steel flanges without a raised face. Where raised face flanges cannot be avoided, a filler ring of metal or suitable hard material must be used around the raised face of the mating steel flange. Failure to fill that annual space between the FRP flat flange face and the raised face steel flange can result in damage, lack of seal, or flange failure. The purpose of the spacer ring is to fill the gap around the outside of the raised face of the mating steel flanges or valves, to prevent flange bolt loads from bending and breaking the FRP composite flange from the pipe.

Direct Link to PDF: <http://www.ifs-frp.com/wp/pdf/technical-bulletins/sealing-of-frp-flanges.pdf>

Stainless Steel Grades and Families: Explained



Download
Chart: <https://www.unifiedalloys.com/wp-content/uploads/2017/09/austenitic-stainless-steels.jpg>

Dutchman Reducer
Pulp and Paper Industry



A Dutchman is a spool piece that is designed so that it can be readily dropped out of the pump suction piping. This facilitates the cleansing of the liquid passage of the pump without dismantling the pump. With this arrangement, anything that clogs the impeller is accessible with the removal of the spool piece or pipe section. If the slurry is of high consistency dilution lines are often connected to the Dutchman.

SPED Announces Plans for New Course on Piping Design Quality Assurance Course is Preparation for PPD Level II Certification

SPED has announced plans for a course on Piping Design Quality Assurance. The new course will prepare pipers to take the Profession Piping Design (PPD) Certification Exam for Level II. The course will be developed under the direction of the SPED PPD Advisory Committee (PPDAC) with review and input from SPED individual and Corporate Members. The course will be offered online with the video segments available for license.

“This PPD Level II course will fill an important gap in our training program,” said William G. Beazley, SPED Executive Director. “Our industry-standard PPD Level I and III course are widely used but Level

It will now be addressed.” SPED’s Piper Bootcamp and Process Plant Layout courses address Levels I and III, respectively.

PPD Level II, Piping Design Quality Assurance, is considered a critical area of today’s piping layout work practices. It addresses checking various design documents for errors of content and consistency, as well as adherence to multiple codes and standards. Process Flow Sheets, Piping and Instrumentation Diagrams, Equipment/Valve Data Sheets, Piping Layouts and Fabrication ISO’s are among the documents reviewed for errors. Pipers will be expected to understand the data shown on each document and check for consistency between them.

In addition, there are additional topics addressed on field data collection and specialty piping systems. These topics, along with the QA checking are required by SPED’s Recommended Practice RP-0001, which governs the SPED PPD Certification Program.

About SPED

Since 1980, SPED has focused exclusively on the needs of Piping Engineers and Designers, by:

1. Promotion of Piping Design as a Profession through Website Articles, Public Outreach and Chapter Activities.
2. Administration of the Professional Piping Designer Certification Program.
3. Training to increase Employability and Achieve PPD Certification.

API Seal Support Systems



Chemical manufacturing relies heavily on rotating equipment such as pumps and mixers. Their operation requires some form of mechanical seal to enable rotation while ensuring minimal loss of product. Typically, this consists of a double mechanical seal along with a seal support system. The seal support system allows for circulation of a barrier (or buffer) fluid through the internal cavity of the seal.

Direct Link: <https://www.chemicalprocessing.com/articles/2017/fluid-handling-rethink-your-seal-support-system/>

Significant Changes in ASME B31.3 2018 Edition (Slideshow)

By Don Frikken of Becht Engineering

Flexicraft is your one call for every style of expansion joint and flexible connector.



Don't forget that SPED is always on the lookout for member-written piping-related articles to publish at the website

See you all next time!



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