valves close to isolate pressure
Model I
We
CAN QUICKLY
SOLVE YOUR EXCESS PRESSURE,
VACUUM OR PRESSURE RELIEF OR PRESSURE ISOLATION PROBLEMS.

## GET THE

## POWER <br> OF THE PIN

for the best overall value on the market Q. keep people, systems, products

C and the environment safe.

Model I-CU


Advanced Custom and

Model FB ESV


Model C


For over 25 years, many of the world's top companies have experienced the performance advantages of our advanced relief valve and shutoff valve technology.
These companies have come to trust our technology because they understand what uniquely sets us apart and gives us the edge over other relief valves and rupture discs on the market.
So, what sets us apart from the rest? It's something we call "The Power of the Pin".
The rupture pin is the heart of each advanced pressure relief valve and is vital to the function, accuracy and consistency of the valve By modifying the pin, we are able to control the valve's performance from small changes to more dramatic changes. It is for this reason that each pin is carefully crafted using a precise manufacturing process.
This process ensures that each valve will perform its function accurately, consistently and within an extremely tight tolerance something other products on the market simply can't achieve. We invite you to find out more about our exciting technology by reading this information, visiting our website at www.rupturepin.com and calling our reps.

## [ Rupture Pin

Advanced Custom and Standard Valves for Pressure Relief.

## emergency relief valves



MODEL C-T RELIEF VALVE Available in 1 ", $11 / 2$ " and 2"
female intel and Outlite with
relief settings from 15 to 2,000
PS. $+/-5 \%$.

- Steel body, stainless steel trim and bonnet.
- Viton " 0 " rings are standard.

WWW.RUPTUREPIN.COM


MODEL C-M RELIEF VALVE Reief valve on
flow system. - Flow moves past a flat piston face.

- Novoids for materials to pack
into. into.
- The flush port is provided to - The flush port is provided
clean the seat pror to
reseating the piston. reseating the pisto
APPLICATIONS:
APPLICATIONS:
For use on steam jacketed fow systems.

model C-N ReLief Valve Dual balanced outlet with two
settings 8300 PSI and 9400 PSI setings 8300 PSI and 9400
for oxygen, hydrogen and nitrogen (Built for NASA)
- Dual balanced outlet with 2 Dual balanced outlet with 2
settings 8300 PSI and 9400
PSI for Oxygen. Hydrog settings 8300 PSI and 940
PS for Oxygen, Hydrogen and Nitrogen.



## EmERGENCY SHUTDOWN VALVES

## R Buckling Pin <br> Technology

Advanced Custom and Standard Pressure Isolation Valves .

## WWW.BUCKLINGPIN.COM



## GENERAL SPECIIIC OPTIONS:

- Automatic opening in case of fire.
ndicator that shows a pressure limit has been exceede
Steam iacketed relief valves. Steam jacketed relief valaes.
Proximity
opened switch for a remote indication the valves has

Pin continener the vave of ready acoessto spare



## OurVALVES

have solved the toughest PROBLEMS AROUND THE WORLD FOR

## Advantages Over the Competition

1
We have over 22,000 valves operating worldwide with a satisfaction rate of $96.4 \%$ in over 25 years!
Pins buckle at set pressure
No worker safety concerns
No product loss
No environmental pollution
6
No fragmentation
Extremely accurate
Low maintenance costs
9
Low pin replacement costs
10 Full bore relief in milliseconds


11 Pin can be replaced by one person in only one minute
12 Minimal downtime
13 Works close to set point
14 Does not require vacuum support
15 Can sense upstream, downstream or differential pressure
16 Pins are rugged and can be stored at the valve
17 No costly handling
18 It is easy to tell when a pin is buckled visually or remotely when using a proximity sensor

19 You don't break the line to change the pin
20 Buckling stress is lower than yield stress
21 Few inspections
22 Replacement pins can be produced quickly
23 Replacement pins can be shipped immediately
24 We make custom valves to your specifications
25 We take on "mission impossible" projects
26 Settings can be changed in minutes without breaking the line by changing the pin (with POCO option)
27 Reliability can be checked in the field under pressure
28 It is safe for your system providing emergency relief

## Client List

3M
Air Products
Alabama Gas Corp.
Alabama Pine Pulp
Allied Signal
Amalgamated Sugar
American Azide
American Cyanimid
Amoco
Aramco
Arco
Arizona Chemical
BASF
Bauer, Inc.
Belize Natural Energy
Bohai Oil
Boom Drilling
British Petroleum American
British Petroleum United Kingdom
Brunswick Cellulose
Cactus Drilling
Calidra de Occidente
Carbon Fuels
Chalmette Refining LLC
CIBUS Inc.
Conoco
Columbia Natural Gas
Cytec Engineered Materials
Day \& Zimmerman
Dow Chemical
DuPont
Durez Corporation
Eastman Chemical
El Paso Natural Gas
Encore
Energy Transfer
Englobal Engineering
Exxon
Fermilab
Fluor Daniel
Foster Wheeler
General Dynamics
Georgia Pacific
Goodyear
Hanover LTD

Hazen Research
Kerr-McGee Oil \& Gas
Koch Engineering
Koch Pipeline
Lockwood Greene
LTV Energy
M-Wave Marketing
Mahr Corp
Marathon Oil
Midway Tool
Miller
Mobil
Monsanto
Mustang Hydraulics
MW Kellogg
NASA
National Oilwell Varco
Nomac Drilling
Northern Natural Gas
O'Brien \& Gere
Parsons
Petrobras
Pfizer
PPG
Procter \& Gamble
Ram Instruments
Rmax
Raytheon United Engineers
Santos
Sappi Fine Paper
Seaway Crude
Shell
Sinergia Solucions
Solvay Solexis
Southern Natural Gas
Stepan
Stone Container
Sunoco Pipeline
Terasen Pipeline
Tinker AFB
Twin Rivers Technologies
Unit Drilling
Vetco Gray
Weyerhaeuser
Wissington Sugar Factory

PHONE (405) 789-1884 | wEB www.rupturepin.com | EMALL sales@rupturepin.com address 8230 S.W. 8th • Oklahoma City,Oklahoma 73128

