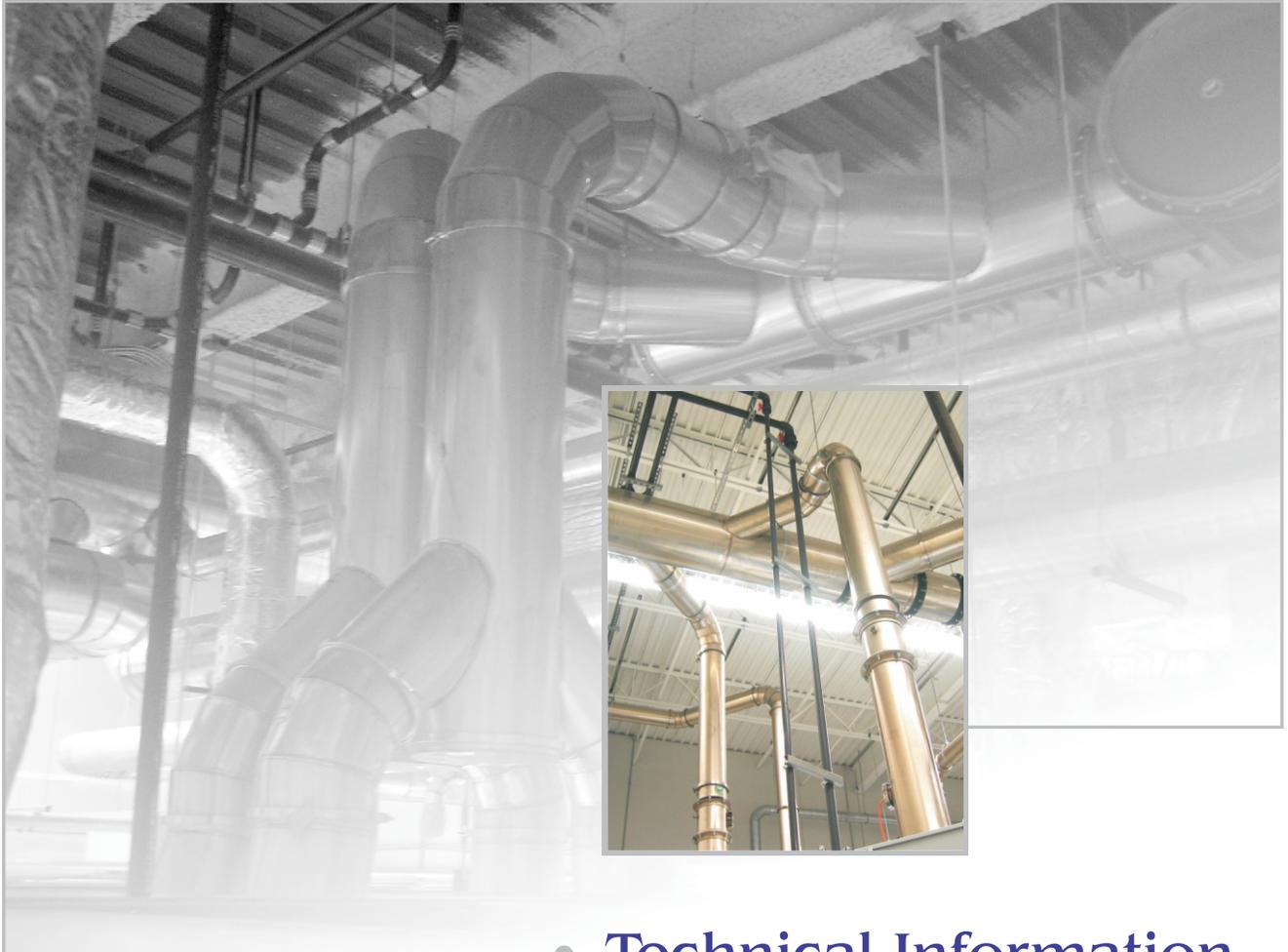


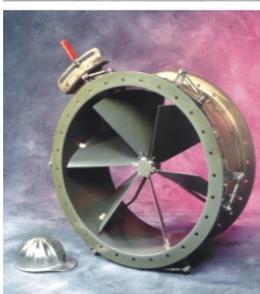
PermaShield Pipe



- **Technical Information**

**Fluoropolymer Coated
Stainless Steel
Process Vent Pipe**

PSP[®]
PermaShield Pipe



Why PSP®

- Type 300 stainless steel substrate - strong yet light weight
- Fluoropolymer coating - unparalleled corrosion resistance
- PTFE gasket system - superior joint sealant technology
- Joining system - Fab-Tech EZ clamp or companion angle ring
- Ease of installation - no welding, grinding, or chemicals for assembly
- Modular design - fully engineered system
- Custom fabrication - custom designs made to order
- Easily field modified - adaptable to existing system
- Fully manufactured in-house - shorter lead time
- FM approved for smoke and fume exhaust - does not burn
- Environmentally safe - not a hazardous waste, reuse or recycle

Chemical Compatibility

The PermaShield fluoropolymer barrier coating developed for PSP® can only be described as the most effective shield against chemical attack available today. Many of the chemicals and solvents that are easily contained by this coating can cause rapid deterioration of other plastics and all but the most exotic metal alloys. Chemical compatibility data is available from Fab-Tech for over 300 chemicals. Please inquire today as to your particular chemical use.

FM Approved 4" to 60" Diameter

FM (Factory Mutual) Approvals sets the standards and tests for fire and other risks for industries throughout the world. The specific aim of FM Approvals is to reduce commercial and industrial property losses through specification testing and certification of building products. FM Approvals is affiliated with FM Global, one of the world's largest insurance underwriters.

As the original coated duct product to achieve FM Approval, PSP® continues to earn FM Approval as a fume and/or smoke exhaust duct system as tested under Factory Mutual Research Standard Class 4922. This standard certifies that PSP® with its fluoropolymer coating exhibits properties that limit smoke generation and flame spread. PSP® has achieved the broadest possible limits of approval from 4" (100mm) diameter duct to a maximum nominal diameter of 60" (1525mm) for use without internal sprinklers. Fab-Tech proudly displays the "FM Approved" label on its 4" through 60" diameter corrosive fume exhaust products.



Duct

- Sizes:** 2" thru 120" round, 144" x 144" rectangular
- Materials:** Sheet goods thru 10 GA.
- Construction:** Forming any type, fully welded construction
- Joining Systems:** Companion angle rings, ANSI flanges
- Clamped Joints:** Proprietary EZ clamp thru 18" diameter
- Air Control Devices:** Balance, Isolation, Axial flow and Backdraft dampers, Single or multiblade, Blastgates
- Coatings:** Proprietary fluoropolymer system or uncoated
- System Pressures:** Full vacuum to 120" WC

Pipe

- Sizes:** 1.5" thru 10" diameter
- Materials:** Schedule 5 thru schedule 40
- Construction:** Manual or Orbital welded
- Joining Systems:** ANSI flanges, Proprietary, EX thru 4", Most pre-existing
- Adapters:** Fit up to most standard flanges
- Coatings:** Proprietary fluoropolymer system or uncoated
- System Pressures:** Up to 150 Psi

Miscellaneous Product

- Max Size:** 11' x 11' x 8'
- Max Weight:** 2000 Lbs.
- Materials:** Sheet goods thru 10 GA., Black iron or Stainless Steel
- Coating:** Proprietary fluoropolymer system or uncoated



Coated PSP® product nearing the end of the manufacturing process.

Applications:

- | | | |
|-----------------------|------------------|----------------------------|
| ■ Petroleum Refining | ■ Gas Refining | ■ Gas Manufacturing |
| ■ Petrochemical | ■ Power Plant | ■ LNG Manufacturing |
| ■ Plastics Industries | ■ Air Separation | ■ Sewage / Water Treatment |
| ■ Solvent Recovery | ■ Pharmaceutical | ■ Electronic Industries |

Partial Customer List:

- | | | | |
|------------------------|----------|-----------|----------|
| ■ GlaxoSmithKline | ■ Intel | ■ Sony | ■ IBM |
| ■ Bristol Myers Squibb | ■ DuPont | ■ Hitachi | ■ Micron |
| ■ Mallinckrodt | ■ Pfizer | ■ MEMC | ■ AMD |
| ■ Roche Vitamin | ■ Merck | ■ TSMC | ■ NEC |





Contact Us

Fab-Tech makes it easy to get detailed information for all PSP® products. Our sales team is available Monday through Friday from 8:00 am to 5:00 pm EST. Please contact us with your questions, comments, or requests for additional information.

For correspondence:

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480 Hercules Drive
Colchester, VT 05446-6800 USA

To call: **802-655-8800**

To fax: **802-655-8804**

Website: **www.fabtechinc.com**

Contact our sales team via email:

sales@fabtechinc.com

When contacting us about PSP® products, please include the following information:

Industry: Semiconductor, Pharmaceutical, Chemical Processing, Aerospace, Plating, Pulp/Paper, University/Labs, etc.

Application: Process ventilation, acid / corrosive exhaust, to scrubber, to oxidizer, system pressure, system temperature

Profession: Contract Engineer, Architectural Engineer, End user, Contractor / Installer

Fab-Tech, Inc.

Responsive, innovative, service-oriented company with over eighteen years of proven experience fabricating quality exhaust components.



PSP® is a registered trademark of Fab-Tech, Inc.

Gore-Tex® is a registered trademark of W.L. Gore.

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PSP® also manufactured under license in Taiwan, South Korea, and China.