

# SmartBank™

## Padmount Capacitor Stations



### SmartBank™ Padmount solutions:

- Cost effective power factor correction
- 15, 25, and 35 kV applications
- Dead-front construction
- Reliable Maysteel components including enclosure, capacitors, Trinetics™ switches, and ProCap™ controls

ISO 9000:2000  
QUALITY CERTIFIED

**Maysteel**  
Electric Power Products

# SmartBank™ Features

Compact enclosure constructed of **heavy-duty 12-gauge steel**

**Weather resistant polyester powder paint**, Munsell green, electrostatically applied, meets or exceeds ANSI coating performance requirements.

**Lexan™ barriers** for convenient visual confirmation of switch operation.

**304 stainless steel hinges.**

**Separate access doors** for elbows and capacitor compartments.

Glass-reinforced polyester inter-phase barriers; white for maximum visibility.

**Meets C57.12.28-1988** or latest revision for tamperproofing.

**Deadfront barrier** painted light gray for maximum visibility.

**Open bottom design** with “C” channel and two-inch lip for structural strength and for easy mounting to the concrete pad.

**Includes three-point latching and pentahead bolt.**

## Maysteel Capacitors

- For 15kV, 25kV and 35kV applications
- 50, 100, 150, 200, 300 and 400 kVAR standard sizes
- 2-bushing or optional single bushing configuration
- External or optional internally fused
- Custom kVAR ratings for power factor correction and harmonic filter bank applications are available.



“Universal” mounting bracket designed to accommodate the standard dimensions of Maysteel or other currently available capacitors to minimize design time and enable quick turnaround.

“Universal” mounting bracket also accommodates **your choice of UltraVac** (not shown) **VS or CSD switches**

**Separate fusing** for Control Power Transformer (CPT) is optional



**Tilt-out CPT** for easy service access

Choose group fusing or individual capacitor fusing, expulsion or current limiting fusing; coordinated with capacitor case rupture curves.



Maysteel capacitor or other brand of capacitor can be accommodated



Your choice of arrester to protect against transient over-voltages caused by lightning or switching surges.

## SmartBank Padmount Capacitor Stations

### OPTIONS:

- Choice of oil, vacuum, or solid dielectric switches for switched banks
- Current-limiting reactors
- Neutral unbalance detectors
- Loop or radial feed designs
- 11 gauge enclosure
- Zinc-rich primer for severe environments
- All stainless steel/all aluminum enclosures available
- Sized for the additional units required in the future
- Available through 15-35 kV class
- Control power transformer
- Choice of ProCap controls – VAR, Volt/Temp, or Volt/Temp/Time



ProCap C2000 VAR Control

# Specification Form

## What we need to know to build your Padmount SmartBank™

Copy, fill out and fax this form or complete the form online at [www.maysteel.com](http://www.maysteel.com).

### ENCLOSURE

#### Material

- 12 gauge steel (HRPO) (standard)
- 11 gauge steel (HRPO)
- Stainless steel
- Aluminium
- Other \_\_\_\_\_

#### Paint color

- Munsell Green 7GY 3.29/1.5 (standard)
- Gray (ANSI 70) Munsell 5BG 7.0/0.4
- Gray (ANSI 61) Munsell 8.3BG 6.10/0.54
- Other \_\_\_\_\_

Use a zinc-rich primer?  Yes  No

#### Configuration

- Dead front 200A Bushing Wells
- Dead front 600A Bushings
- Live front

#### Feed style and termination

- Radial feed (standard)
- Loop feed with extra bushings
- Loop feed with extra depth for elbows or tee's

### CAPACITORS

#### Frequency

- 50 Hz
- 60 Hz (standard)

Rated unit voltage \_\_\_\_\_ volts

Unit kVAR rating \_\_\_\_\_ kVAR

#### Bushings

- One
- Two

Capacitor BIL \_\_\_\_\_

Volts \_\_\_\_\_

### SYSTEM

System voltage line-to-line \_\_\_\_\_ volts

#### Bank connection

- Grounded wye
- Ungrounded wye
- Delta

Phase voltage \_\_\_\_\_ volts

(line-to-ground for wye connections)

Total bank kVAR rating \_\_\_\_\_

#### System BIL and voltage class

- 95kV BIL, 15kV
- 125kV BIL, 25kV
- 150kV BIL, 35kV

Current rating  200A  600A

Special requirements

### SWITCHES

#### Capacitor switch style

- Solid dielectric
- Vacuum under oil
- Oil

#### BIL Rating

- 95 kV
- 125 kV
- 150 kV

Disconnect switch desired?  Yes  No

Grounding switch desired?  Yes  No

### CONTROL TRANSFORMER

Style  Dry  Oil  None

If "Dry" or "Oil" is selected for Style, please complete the following fields:

Primary voltage \_\_\_\_\_ volts

kVA rating \_\_\_\_\_ kVA

PT fuse required?  Yes  No

### CAPACITOR CONTROL

- VAR Control – ProCap C2000
- Time, Temp, Volts – ProCap C1600
- Volts, Time – C150T
- Other \_\_\_\_\_

### ACCESSORIES

#### FUSING

Grouped  Individual

Select one of the following:

Maysteel standard (clip mounted, current limiting, general purpose fuse)

Customer specification

Manufacturer \_\_\_\_\_

Style \_\_\_\_\_

Voltage rating \_\_\_\_\_

Current rating \_\_\_\_\_

Catalog number \_\_\_\_\_

#### ARRESTERS

None (standard)

Customer specification

Manufacturer \_\_\_\_\_

Style \_\_\_\_\_

Voltage rating \_\_\_\_\_

MCOV rating \_\_\_\_\_

Catalog number \_\_\_\_\_

Special requirements

### 15kV Standard Footprint

Up to 6 of each capacitor	Width	Depth	Height
50 up to 200 kVAR inclusive	64" (1,626 mm)	64" (1,626 mm)	60" (1,524 mm)
Above 200 kVAR inclusive	64" (1,626 mm)	70" (1,778 mm)	60" (1,524 mm)

Special requirements

[www.maysteel.com](http://www.maysteel.com)

**MAYSTEEL Electric Power Products** W142 N9041 Fountain Blvd. , Menomonee Falls, WI 53051  
PO Box 1240, Menomonee Falls, WI 53052-1240 • Phone 877/219-9728 • Fax 262/251-0069