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FLEXIBLE CERAMIC PADS-FCP







"The Heat Is On"



SPECIFICATIONS

Construction:

Highest quality materials available in the construction of our Ceramic Pad (FCP) heating elements.

- Reduce work time
- Highly Durable
- Extended Life
- Reduce annual repair costs

Ceramic Beads

- High Resistance to Thermal and Physical Shock
- High grade sintered alumina ceramic beads 80/20 nickel cold tail wire.
- Flexibility and high heat transfer

Advantage:

- Reduce worktime
- Highest Quality materials
- Highly Durable
- Extended Life
- Reduce annual repair costs

Physical Properties:

- Alumina Content: 95 %
- Bulk Density Fired: 3.7 MG/M3
- Grain Size: 6 um
- Vickers Hardness: 12.5 (GPA@Hv 0.5 kg)
- Rockwell Hardness: 78 (R45N)
- Compressive strength: 2000 Mpa
- Flexible strength: 320 MPA (ASTM C1161.3 point)
- Young Modulus: 325 Gpa
- Thermal Conductivity: 21 W/ m3

Heating elements are butt welded to the cold tails of ceramic eliminates the cold heater core wire which eliminates the cold tail/core wire junction failures often seen with low quality heaters which use steel ferrules.







INDUSTRY APPLICATIONS



Nuclear Industry



Localized Heat treatment





Mining Industry

<mark>Oil</mark> & Gas

"THE HEAT IS ON"

CERAMIC HEATER SIZES

US & CANADA PAD SIZES







CODES	dimension	s in inches		
	_ X	Y		
CP3	3	39		
CP4	4	29		
CP6	6	19.5		
CP8	8	14.5		
CP10	10	12.5		
CP12	12	9.75		
CP15	15	8		
CP18	18	6.5		
CP21	21	5.75		
CP24	24	5		
CP29	29	4		
CP36	36	3.25		

NORTH AMERICIAN SIZES-80 VOLTS						
Catalog #	Ref#	Voltage	AMPS	Kw	Sizes (X) X (Y)	
21113	СРЗ	80	45 A	3.6	3" X 39"	
21114	CP4	80	45 A	3.6	4" X 29"	
21116	CP6	80	45 A	3.6	6" X 19.5"	
21118	СРВ	80	45 A	3.6	8" X 14.5"	
21110	CP10	80	45 A	3.6	10" X 12.25"	
21112	CP12	80	45 A	3.6	12" X 9.75"	
21115	CP15	80	45 A	3.6	15" X 8"	
21118	CP18	80	45 A	3.6	18" X 6.5	
21121	CP21	80	45 A	3.6	21" X 5.75"	
21124	CP24	80	45 A	3.6	24" X 5"	
21129	CP29	80	45 A	3.6	29″ X 4″	
21136	СРЗб	80	45 A	3.6	36" X 3.25"	
21172	CP72	80	45 A	3.6	72" X 1.75"	

WHAT MAKES UP A HEATER?



ITEM	LABEL	IMAGE
A	STARTER BEAD	-
в	MAIN BODY HOLE BEAD	6
с	TAIL BEAD	
D	MAIN BODY BEAD	000
E	TAIL BEAD MARKER	P e

FCP-FLEXIBLE CERAMIC PAD





FLEXIBLE CERAMIC PAD-PAD WRAP SETUP

1. CLEAN MAGNET & THERMOCOUPLE AREA





REDUCE HEAT LOSS

5. CREATE A THERMOCOUPLE INSIDE THE HEAT TREATMENT AREA

3. STAINLESS STEEL BANDING



6. INSULATE INSIDE OF THE PIPE

4. WRAP PADS WITH INSULATION









INNOVATIVE - HOT PAD TIPS





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www.innovativeHeatTreatment.com

Customized Heat Treatment Equipment

Power Consoles & Consumables

Thermal Insulation Solutions

Recording Equipment

